

PM 25

3125-402

15/57

SPECIAL LABELING REQUIRED FOR BAGS CONTAINING WATER SOLUBLE PVA PACKETS

XXX-7057.YLD

Base Pre-Reg. (7057)

U.S. LABEL

Reason to Issue: To propose registration of product in water soluble PVA packets.

Date of Draft: 7/20/90 (Pre-Reg)(H)

EPA Reg. No. 3125-XXX

SENCOR® SOLUPAK™  
Herbicide  
In Water Soluble Packets

FOR CONTROL OF CERTAIN GRASSES  
AND BROADLEAF WEEDS

ACTIVE INGREDIENT:  
4-Amino-6-(1,1-dimethylethyl)-3-  
(methylthio)-1,2,4-triazin-  
5(4H)-one..... 75%

Keep water soluble packets in original container and store in a cool, dry place but not below freezing (32°F). Entire inner packets dissolve in water. After opening outer bag, drop the required number of unopened inner packets into spray tank as directed. Avoid excessive handling of water soluble packets which may cause breakage.

INERT INGREDIENTS: ..... 25%  
100%

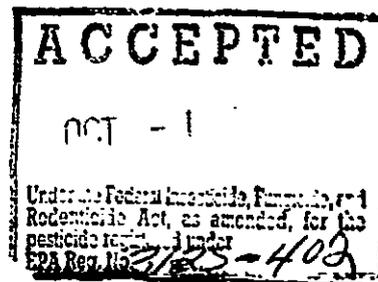
SENCOR is a Reg. TM and SOLUPAK is a TM of Bayer AG, Germany.

EPA Reg. No. 3125-XXX

EPA Est. 3125-MO-1

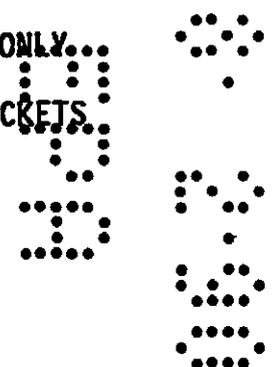
KEEP OUT OF REACH OF CHILDREN

CAUTION



(See rear panel for additional precautions and statements of practical treatment)

DEALERS SHOULD SELL IN ORIGINAL PACKAGES ONLY.  
CONTAINS \_\_\_\_\_ ONE POUND WATER SOLUBLE PACKETS.  
TOTAL NET CONTENTS \_\_\_\_\_ POUNDS  
STOP - READ THE LABEL BEFORE USE



MOBAY CORPORATION  
A Bayer USA INC. COMPANY  
AGRICULTURAL CHEMICALS DIVISION  
Box 4913, Kansas City, Mo. 64120

Note: Underlined letters in chemical nomenclature should be italicized when printed, not underlined.

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**AVISO**

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using SENCOR SOLUPAK herbicide.

**CONDITIONS OF SALE:** THE DIRECTIONS ON THIS LABEL WERE DETERMINED THROUGH RESEARCH TO BE THE DIRECTIONS FOR CORRECT USE OF THIS PRODUCT. THIS PRODUCT HAS BEEN TESTED FOR A RANGE OF WEATHER CONDITIONS SIMILAR TO THOSE WEATHER CONDITIONS THAT ARE ORDINARY AND CUSTOMARY IN THE GEOGRAPHIC AREA WHERE THE PRODUCT IS USED. INSUFFICIENT CONTROL OF PESTS AND/OR INJURY TO THE CROP TO WHICH THE PRODUCT IS APPLIED MAY RESULT FROM THE OCCURRENCE OF EXTRAORDINARY OR UNUSUAL WEATHER, OR FROM FAILURE TO FOLLOW LABEL DIRECTIONS. IN ADDITION, FAILURE TO FOLLOW LABEL DIRECTIONS MAY CAUSE INJURY TO OTHER CROPS, ANIMALS, MAN, OR THE ENVIRONMENT. MOBAY OFFERS, AND THE BUYER ACCEPTS AND USES, THIS PRODUCT SUBJECT TO THE CONDITIONS THAT EXTRAORDINARY OR UNUSUAL WEATHER, OR FAILURE TO FOLLOW LABEL DIRECTIONS ARE BEYOND THE CONTROL OF MOBAY AND ARE, THEREFORE, THE RESPONSIBILITY OF THE BUYER.

**GENERAL INFORMATION**

**MIXING:**

When using SENCOR SOLUPAK, make sure the sprayer is completely clean, free of rust or corrosion which occurs from Winter storage. Examine strainers and screens to be sure the sprayer is clean from previously used pesticides. Any tank mix containing SENCOR SOLUPAK should be kept agitated and sprayed out immediately. Do not allow tank mixes to stand for prolonged periods of time.

The enclosed packets are water soluble and will completely dissolve in water. Do not allow packets to become wet before adding to the spray tank. Do not handle packets with wet hands or wet gloves. Reseal the outer container to protect unused packets from moisture.

To prepare the spray mixture, drop the required number of unopened packets, as determined under "Recommended Applications" on this label into the spray tank while filling the tank with water to the desired level. Operate the spray tank agitator during mixing of the spray solution. Depending on water temperature and the amount of agitation, the water soluble packets should be completely dissolved within approximately 5 minutes after being added to the spray tank.

The proper mixing procedure for SENCOR SOLUPAK alone or in tank mix combinations with other herbicides is:

1. Fill the spray tank 1/4 to 1/3 full with clean water.
2. Add recommended rate of SENCOR SOLUPAK while recirculating and with agitator running.

GENERAL INFORMATION (Continued)

3. Allow enough time for thorough mixing. The packets should completely dissolve in approximately 5 minutes.
4. Fill spray tank to desired level with clean water.
5. Add the other herbicide to tank last and agitate thoroughly.
6. Continue agitation during application and until sprayer tank is empty.
7. Refer to "Storage and Disposal" on this label for container disposal instructions.

For use in aerial application equipment, it is necessary to pre-mix the PVA packets with water before loading the aircraft spray tank. This pre-mixing should be done in a nurse tank that has a good agitation system.

Do not use with fluid fertilizers. Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. Reaction of PVA with boron or chlorine may form a plastic material that is not soluble in water or solvents.

SOIL TEXTURE:

As used on this label, "Coarse soils" are loamy sand or sandy loam soils. "Medium soils" are loam, silt loam, silt, sandy clay, or sandy clay loam. "Fine soils" are silty clay, silty clay loam, clay, or clay loam. Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

CHEMIGATION

SENCOR SOLUPAK is recommended for application through sprinkler irrigation equipment to potatoes, soybeans, tomatoes, and asparagus as directed on this label. Refer to the crop sections of this label for recommended rates, weeds controlled or suppressed, restrictions, and special precautions.

Apply this product only through sprinkler (including center pivot, lateral move, or solid set) irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.

Calibration: (Center Pivot and Self-Propelled Lateral Move Systems)

Sprinkler irrigation systems must be accurately calibrated for application of SENCOR SOLUPAK. Greater accuracy in calibration (and distribution) will be achieved by injecting a larger volume of a more dilute mixture of product and water per hour. Follow the steps below to calibrate center pivot and lateral move systems:

1. Determine number of minutes required to make one complete revolution while applying 1/4 to 3/4 inch of water per acre.
2. With the system at operating pressure determine the exact number of minutes required to inject one gallon of water.

-----  
CHEMIGATION (Continued)

3. Divide the time required for one revolution (step 1) by the time required to inject one gallon (step 2). This gives total gallons of product-water mixture to be added to nurse tank.
4. Add required amount of water to nurse tank and start the agitation system. Then add sufficient SENCOR SOLUPAK at the recommended rate (See RECOMMENDED BROADCAST APPLICATIONS) to the nurse tank.

EXAMPLE:

If 20 hours (1200 minutes) were required for one revolution and if 2 minutes were required to inject one gallon, then a total of 600 gallons of product-water mixture are required ( $1200 \div 2 = 600$ ); to treat 135 acres at 2/3 pound/acre, 90.5 pounds of SENCOR SOLUPAK are required.

If you have questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Maintain continuous agitation in the injection nurse tanks during the herbicide application, sufficient to keep herbicide in suspension.

CHEMIGATION (Continued)

Apply specified dosage in 1/4 to 3/4 inch of water (1/4 to 1/2 inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. Application of more than the quantity of irrigation water recommended on this label may result in decreased product performance by removing the chemical from the zone of effectiveness.

Where sprinkler distribution patterns do not overlap sufficiently unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively crop injury may result. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. To insure that lines are flushed and free of remaining pesticide, an indicator dye may be injected into the lines to mark the end of the application period.

Use a minimum of 1 part water to 1 part herbicide for injection. The use of a larger volume of water will insure greater accuracy and more uniform distribution.

Application of SENCOR SOLUPAK with Herbicide Spray Equipment

Use a standard low pressure (20 to 40 psi.) herbicide boom sprayer equipped with suitable nozzles and screens no finer than 50-mesh in nozzle and in-line strainers. Agitate thoroughly before and during application with bypass agitation.

GROUND APPLICATION: Apply the proper rate of SENCOR SOLUPAK in a minimum of 10 to 40 gallons of spray mixture per acre broadcast.

Banded Application:

Use proportionally less SENCOR SOLUPAK per acre in a band versus a broadcast application. band application use 1/4 to 1 gallon of spray mix per inch of band width regardless of row spacing.

EXAMPLES: To treat a 15-inch band on rows 30 inches apart, use one-half of the broadcast rate of SENCOR.

To treat a 14-inch band on rows 42 inches apart, use one-third of the broadcast rate of SENCOR.

AERIAL APPLICATION: Where permitted, apply specified rate in a minimum of 2 to 10 gallons of spray mixture per acre. Do not apply aerially when wind speed is greater than 10 mph.

NOTE: Do not apply aerially when SENCOR is tank mixed with Lasso.

For All Applications of SENCOR SOLUPAK: Sprayer must be accurately calibrated before applying SENCOR SOLUPAK. Check sprayer during application to be sure it is working properly and delivering a uniform spray pattern. As the volume of spray mixture decreases per acre, the importance of accurate calibration and uniform application increases. Avoid over application, misapplication, and boom and spray swath overlapping that will increase spray dosage. (Crop injury may occur as a result). Avoid spray skips and gaps which allow weeds to grow in untreated soil. Do not apply when weather conditions favor spray drift and/or when sensitive or cool season crops, such as cole crops, onions, peas, or strawberries are present in adjacent fields or in areas where wheat is growing in coarse textured soils.



**APPLICATION:** Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer application equipment is essential for uniform distribution to the soil surface. The recommended method of application is to apply 1/2 the recommended rate and overlap 50 percent or to double apply by splitting the middles to obtain the best distribution pattern.

If fertilizer materials are excessively dusty, use diesel oil or other suitable additive to reduce dust prior to impregnation as dusty fertilizer will result in poor distribution during application. Crop injury and/or poor weed control may occur where the impregnated fertilizer is not uniformly applied.

**INCORPORATION AND COMBINATION USES:** When SENCOR SOLUPAK is to be used in combination with another herbicide, follow directions on this label for combinations, rates, crops, incorporation, and special precautions.

SOYBEANS (Except California)

SENCOR herbicide tank mix combinations are recommended for preplant incorporated applications, preemergence surface applications, Split-Shot application and Extended Split-Shot application. SENCOR SOLUPAK is also recommended as an overlay application following a preplant incorporated application of a recommended grass herbicide and alone as a preemergence surface application. All these applications can be applied with ground equipment, and some can be applied with aerial spray equipment. In addition, SENCOR SOLUPAK can be applied as a post emergence directed spray to soybeans in certain states.

Special Precautions (Soybeans)

Injury to soybeans may occur when SENCOR SOLUPAK is used under the following conditions:

1. When soils have a calcareous surface area or a pH of 7.5 or higher.
2. Due to the sensitivity of certain soybean varieties, SENCOR is not recommended for use on sensitive varieties, such as, Altona, AP 55, AP 71, Asgrow 6520, Burlison, Coker 102, Coker 156, Dassel, Govan, Maple Amber, NKS 1884, Paloma 350, Portage, Regal, Semmes, Terra-Vig 505, Terra-Vig 606, Tracy, Vansoy and Vinton 81. Consult your Mobay Representative or your seed supplier for information on the tolerance to SENCOR of newly released soybean varieties, prior to use of SENCOR.
3. When applied in conjunction with soil-applied organic phosphate pesticides.
4. Over application or boom overlapping may result in stand loss and soil residues.
5. Uneven application or improper incorporation can decrease the level of weed control and/or increase the level of injury.
6. When applied to any soil with less than 1/2% organic matter.
7. Soil incorporation deeper than recommended.
8. When sprayers are not calibrated accurately.
9. When heavy rains occur soon after application, especially in poorly drained areas where water may stand for several days.
10. When soybeans are planted less than 1½ inch deep, particularly in preemergence application.

SOYBEANS (Except California) (Continued)

Activation

A minimum amount of soil moisture is required to activate SENCOR. In areas of low rainfall, preemergence applications to dry soil should be followed with light irrigation of 1/4 acre inch of water. Do not apply heavy irrigation immediately after application. As with many surface-applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture.

Grazing and Feeding Treated Vines

Treated vines may be grazed or fed to livestock 40 days after application when SENCOR is applied alone or with Treflan®, Dual®, Prowl®, Lasso®, Amiben®, Gramoxone, Lasso plus Gramoxone.

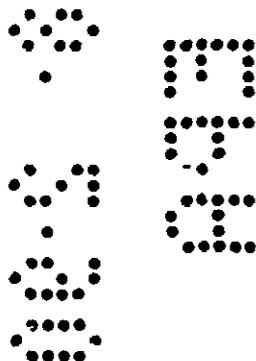
Do not use treated vines for feed or forage when SENCOR is applied with Surflan®, Surflan plus Gramoxone, Sonalan®, linuron plus Lasso, linuron plus Dual.

Rate Ranges

Where a rate range is shown, use a lower rate on soils that are coarse-textured or low in organic matter. Use a higher rate on soils that are relatively fine-textured or high in organic matter.

Replanting

If replanting is necessary in fields treated with SENCOR SOLUPAK as directed on this label, the field may be replanted to soybeans. When replanting a minimum of tillage is recommended. Do not apply a second treatment as injury to soybeans may occur.



**WEEDS CONTROLLED BY SENCOR AND SENCOR HERBICIDE TANK-MIX COMBINATIONS**

- |                         |  |                                   |
|-------------------------|--|-----------------------------------|
| C = Control             | S = Suppression or Erratic Control         | P = Poor or No Control            |
| ● = No Information      | (Control may range from poor to excellent) |                                   |
| 1 = SENCOR Alone        | 6 = SENCOR plus Lasso                      | 11 = SENCOR + Surflan & Gramoxone |
| 2 = SENCOR Split-Shot   | 7 = SENCOR plus Surflan                    | 12 = Extended Split-Shot          |
| 3 = SENCOR plus Treflan | 8 = SENCOR plus Amiben                     | 13 = SENCOR plus Sonalan          |
| 4 = SENCOR plus Dual    | 9 = SENCOR plus Gramoxone                  | 14 = SENCOR plus linuron          |
| 5 = SENCOR plus Prowl   | 10 = SENCOR plus Lasso & Gramoxone         | plus (Lasso or Dual)              |

<u>ANNUAL BROADLEAF WEEDS</u>	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Black Nightshade ( <u>Solanum nigrum</u> )	P	P	P	C	P	C	S	S	P	C	P	C	P	S
Bristly Starbur ( <u>Acanthospermum hispidum</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Buffalobur ( <u>Solanum rostratum</u> )	C	C	P	P	P	P	P	P	P	P	P	C	P	●
Carpetweed ( <u>Mollugo verticillata</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Cocklebur ( <u>Xanthium pensylvanicum</u> )	S	C	S	S	S	S	S	S	C	C	C	C	S	S
Copperleaf, Hophornbeam ( <u>Acalypha ostryaefolia</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Florida Beggarweed ( <u>Desmodium tortuosum</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Florida Pusley ( <u>Richardia scabra</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Galinsoga ( <u>Galinsoga spp.</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Horseweed Marestail ( <u>Conyza canadensis</u> )	●	●	●	●	●	●	●	●	●	C	C	C	●	●

WEEDS CONTROLLED BY SENCOR AND SENCOR HERBICIDE TANK-MIX COMBINATIONS (Cont'd)

C = Control                      S = Suppression or Erratic Control                      P = Poor or No Control  
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- |                         |                                    |                                   |
|-------------------------|------------------------------------|-----------------------------------|
| 1 = SENCOR Alone        | 6 = SENCOR plus Lasso              | 11 = SENCOR + Surflan & Gramoxone |
| 2 = SENCOR Split-Shot   | 7 = SENCOR plus Surflan            | 12 = Extended Split-Shot          |
| 3 = SENCOR plus Treflan | 8 = SENCOR plus Amiben             | 13 = SENCOR plus Sonalan          |
| 4 = SENCOR plus Dual    | 9 = SENCOR plus Gramoxone          | 14 = SENCOR plus linuron          |
| 5 = SENCOR plus Prowl   | 10 = SENCOR plus Lasso & Gramoxone | plus (Lasso or Dual)              |

<u>ANNUAL BROADLEAF WEEDS</u>	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Jimsonweed ( <u>Datura stramonium</u> )	C	C	C	C	C	C	C	S	C	C	C	C	C	S
Knotweed ( <u>Polygonum spp.</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Kochia ( <u>Kochia scoparia</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Lambsquarters ( <u>Chenopodium spp.</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Morningglory, Ivyleaf ( <u>Ipomoea hederacea</u> )	P	P	S	P	P	P	P	P	P	P	P	P	P	P
Morningglory, Pitted ( <u>Ipomoea lacunosa</u> )	P	P	S	P	P	P	P	P	P	P	P	P	P	P
Morningglory, Smallflower ( <u>Jacquemontia taminifolia</u> )	P	P	C	P	P	P	P	P	P	P	P	P	P	P
Morningglory, Tall ( <u>Ipomoea purpurea</u> )	P	P	S	P	P	P	S	P	P	P	P	P	P	P

**WEEDS CONTROLLED BY SENCOR AND SENCOR HERBICIDE TANK-MIX COMBINATIONS (Cont'd)**

- |                         |  |                                   |
|-------------------------|--|-----------------------------------|
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| 0 = No Information      | (Control may range from poor to excellent) |                                   |
| 1 = SENCOR Alone        | 6 = SENCOR plus Lasso                      | 11 = SENCOR + Surflan & Gramoxone |
| 2 = SENCOR Split-Shot   | 7 = SENCOR plus Surflan                    | 12 = Extended Split-Shot          |
| 3 = SENCOR plus Treflan | 8 = SENCOR plus Amiben                     | 13 = SENCOR plus Sonalan          |
| 4 = SENCOR plus Dual    | 9 = SENCOR plus Gramoxone                  | 14 = SENCOR plus Linuron          |
| 5 = SENCOR plus Prowl   | 10 = SENCOR plus Lasso & Gramoxone         | plus (Lasso or Dual)              |

<u>ANNUAL BROADLEAF WEEDS</u>	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<u>Pigweeds</u> ( <u>Amaranthus</u> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
<u>Prickly Sida/</u> <u>Teaweed</u> ( <u>Sida spinosa</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
<u>Purslane</u> ( <u>Portulaca</u> <u>oleracea</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
<u>Ragweed, Common</u> ( <u>Ambrosia</u> <u>artemisiifolia</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
<u>Redweed</u> ( <u>Melochia</u> <u>corchorifolia</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
<u>Russian Thistle</u> ( <u>Salsola kali</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
<u>Sesbania</u> ( <u>Sesbania</u> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
<u>Shepherdspurse</u> ( <u>Capsella</u> <u>bursa-pastoris</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
<u>Sicklepod</u> ( <u>Cassia</u> <u>obtusifolia</u> )	C	C	S	C	S	C	S	C	C	C	S	C	S	S
<u>Smartweeds</u> ( <u>Polygonum</u> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	S

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**SENCOR SOLUPAK Herbicide**

**WEEDS CONTROLLED BY SENCOR AND SENCOR HERBICIDE TANK-MIX COMBINATIONS (Cont'd)**

- |                         |  |                                   |
|-------------------------|--|-----------------------------------|
| C = Control             | S = Suppression or Erratic Control         | P = Poor or No Control            |
| ● = No Information      | (Control may range from poor to excellent) |                                   |
| 1 = SENCOR Alone        | 6 = SENCOR plus Lasso                      | 11 = SENCOR + Surflan & Gramoxone |
| 2 = SENCOR Split-Shot   | 7 = SENCOR plus Surflan                    | 12 = Extended Split-Shot          |
| 3 = SENCOR plus Treflan | 8 = SENCOR plus Amiben                     | 13 = SENCOR plus Sonalan          |
| 4 = SENCOR plus Dual    | 9 = SENCOR plus Gramoxone                  | 14 = SENCOR plus linuron          |
| 5 = SENCOR plus Prowl   | 10 = SENCOR plus Lasso & Gramoxone         | plus (Lasso or Dual)              |

<u>ANNUAL BROADLEAF WEEDS</u>	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Spotted Spurge ( <u>Euphorbia maculata</u> )	C	C	P	C	P	C	S	P	C	C	C	C	P	●
Spurred Anoda ( <u>Anoda cristata</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	●
Sunflower ( <u>Helianthus</u> spp.)	C	C	S	S	S	S	S	S	S	S	S	C	S	P
Velvetleaf ( <u>Abutilon theophrasti</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Venice Mallow ( <u>Hibiscus trionum</u> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Wild Mustards ( <u>Brassica</u> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C



WEEDS CONTROLLED BY SENCOR AND SENCOR HERBICIDE TANK-MIX COMBINATIONS (Cont'd)

C = Control                      S = Suppression or Erratic Control                      P = Poor or No Control  
 ● = No Information                      (Control may range from poor to excellent)

- |                         |                                    |                                   |
|-------------------------|------------------------------------|-----------------------------------|
| 1 = SENCOR Alone        | 6 = SENCOR plus Lasso              | 11 = SENCOR + Surflan & Gramoxone |
| 2 = SENCOR Split-Shot   | 7 = SENCOR plus Surflan            | 12 = Extended Split-Shot          |
| 3 = SENCOR plus Treflan | 8 = SENCOR plus Amiben             | 13 = SENCOR plus Sonalan          |
| 4 = SENCOR plus Dual    | 9 = SENCOR plus Gramoxone          | 14 = SENCOR plus linuron          |
| 5 = SENCOR plus Prowl   | 10 = SENCOR plus Lasso & Gramoxone | plus (Lasso or Dual)              |

ANNUAL GRASSES	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Junglerice ( <u>Echinochloa</u> <u>coloum</u> )	C	C	C	C	C	C	●	C	C	C	C	C	C	●
Nutsedge, Yellow ( <u>Cyperus</u> <u>esculentus</u> )	P	P	P	C	P	C	P	P	P	C	P	C	P	●
Panicum, Fall ( <u>Panicum</u> <u>dichotomiflorum</u> )	P	C	C	C	C	C	C	P	P	C	P	C	C	C
Panicum, Texas ( <u>Panicum texanum</u> )	P	C	C	P	C	S	C	P	P	S	P	S	C	●
Red Rice ( <u>Oryza sativa</u> )	P	C	C	C	P	C	●	P	P	C	P	C	●	●
Sandbur ( <u>Cenchrus</u> spp.)	P	C	C	P	C	S	●	P	P	C	P	S	●	●
Shattercane ( <u>Sorghum</u> <u>bicolor</u> )	P	C	C	P	P	P	P	P	P	P	P	P	C	●
Sorghum, Volunteer ( <u>Sorghum</u> spp)	P	C	C	P	P	P	P	P	P	P	P	P	●	P
Sprangletop ( <u>Leptochloa</u> spp.)	P	C	C	P	P	P	●	P	P	P	P	P	●	P
Stinkgrass ( <u>Eragrostis</u> spp.)	P	C	C	P	P	P	●	P	P	P	P	P	●	P
Wheat, Volunteer ( <u>Triticum</u> spp.)	P	P	P	P	P	P	S	P	P	C	C	P	●	P
Witchgrass ( <u>Panicum</u> <u>capillare</u> )	P	C	C	C	C	C	●	P	P	C	C	C	C	●

SENCOR Alone

SENCOR SOLUPAK (Alone) Preemergence Application

The following rates of SENCOR SOLUPAK may be applied preemergence to soybeans through center pivot or lateral move sprinkler irrigation systems that apply water in a uniform manner. Refer to "Chemigation" section of this label for directions.

SENCOR SOLUPAK can be applied broadcast or banded. This application may be made during planting or as a separate operation after planting but before crop emergence. See the "GENERAL INFORMATION" section in the front of this label.

Do not apply to sand soils, or to sandy loam or loamy sand soils containing less than 2% organic matter. Do not incorporate into soil or apply more than once per season.

POUNDS OF SENCOR SOLUPAK PER ACRE

	ORGANIC MATTER		
	Less than 2%	2 to 4%	Over 4%
<u>COARSE SOILS</u> (Sandy loam, loamy sand)	DO NOT USE <sup>3/</sup>	1/2	2/3
<u>MEDIUM SOILS</u> <sup>1/</sup> (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2 to 2/3	2/3 to 5/6	5/6 to 1
<u>FINE SOILS</u> <sup>1/</sup> (Silty clay, silty clay loam <sup>2/</sup> , clay, clay loam)	2/3 to 5/6	5/6 to 1	1 to 1-1/6
Mississippi Delta Only	1	1-1/6	1-1/3

<sup>1/</sup> For control of lambsquarters, redroot pigweed and wild mustard, and for suppression of green, yellow and giant foxtails on alkaline (calcareous) soils in Nebraska, Minnesota, South Dakota and North Dakota only, apply SENCOR SOLUPAK at rates of 1/3 pound/acre on medium soils and 1/3 to 1/2 pound/acre on fine soils regardless of soil organic matter percentage (use 1/2 pound only where soil pH is less than 7.5 and weed pressure is heavy). The 1/3 pound/acre rate of SENCOR SOLUPAK alone can be applied regardless of soil pH. For control of other weeds listed on this label use SENCOR SOLUPAK at full rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

<sup>3/</sup> Refer to the appropriate section of this label for use of SENCOR SOLUPAK on soybeans in coarse soils with 0.5% or more organic matter in certain states.

USES OF SENCOR HERBICIDE IN COMBINATIONS WITH OTHER HERBICIDES

**SEQUENTIAL APPLICATION OF SCEPTER FOLLOWING SENCOR SOLUPAK:**

If needed, application of SENCOR alone or in a registered tank mix according to directions on this label, may be followed by an early postemergence application of Scepter herbicide (1.5 lb/gal liquid or 70 DG) for control of cocklebur. Apply 1/6 to 1/3 pint of Scepter (0.7 to 1.4 ounces of Scepter 70 DG) in a minimum of 20 gallons of water per acre. Use 1/6 pint of Scepter (0.7 ounce of Scepter 70 DG) if cockleburs are less than 3 inches tall or have fewer than 3 leaves and are actively growing. For cockleburs less than 6 inches tall and actively growing use 1/3 pint of Scepter (1.4 ounces of Scepter 70 DG) per acre. Do not use Scepter when soybeans or cockleburs have been subjected to stress conditions such as temperature or moisture extremes. Do not exceed a total of 2/3 pint of Scepter (2.8 ounces of Scepter 70 DG) per acre in one season. Wait at least 10 days after application of Scepter before cultivating.

When preparing the spray mixture with Scepter, add 2 pints of nonionic surfactant approved for use on growing crops and containing at least 80% active ingredient per 100 gallons of mixture. Apply crop oil concentrate (COC) at the rate specified on the COC label.

Use Scepter only in the states where it is registered as listed on the product label.

Apply Scepter at least 90 days before harvest of soybeans. Do not graze or feed soybean forage, hay, or straw to livestock.

Refer to the Scepter label for additional cautions and precautions, directions, limitations, and information on environmental hazards and planting of rotational crops.

SPLIT-SHOT APPLICATION

A preplant incorporated application of SENCOR SOLUPAK tank mixed with either Treflan, Lasso, Dual, Prowl or Sonalan and followed by a preemergence surface application of SENCOR alone after planting but prior to soybean emergence, will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Refer to the Treflan, Lasso, Dual, Prowl or Sonalan labels, and to appropriate sections of this label for directions on soil preparation, herbicide application, incorporation techniques, herbicide rates, weed species controlled, and restrictions for using tank mix combinations of SENCOR. Carefully observe the "Special Precautions" section concerning the use of SENCOR in tank mix combinations on soybeans.

When a Split-Shot application of SENCOR SOLUPAK with Prowl, Treflan, or Sonalan is used, the preplant incorporated tank mix may be applied up to 21 days prior to planting soybeans; with Dual or Lasso, the preplant incorporated tank mix may be applied up to 14 days prior to planting.

On medium and fine textured soils with greater than 2% organic matter, a rate range is recommended for the SENCOR SOLUPAK preemergence overlay application. The higher rate should be used (a) in fields with a history of severe broadleaf weed pressure, (b) when the time between preplant incorporated tank mix and preemergence overlay applications approaches the maximum stated above, and/or (c) when the organic matter content of the soil is at the upper end of the indicated range.

For black nightshade control, refer to the appropriate sections of the Lasso, Dual, or Sonalan labels for specific instructions.

**SPLIT-SHOT APPLICATION**

SOIL TEXTURE (1)	Preplant Incorporated Tank-Mix Application		-- FOLLOWED BY --	Preemergence Overlay Application		
	Rate of Combination Product/acre	plus	Rate of SENCOR SOLUPAK pound/acre	Rate of SENCOR SOLUPAK pound/acre	ORGANIC MATTER	
				Less than 2%	2 to 4%	Over 4%
<b>COARSE</b> (Light) sand, loamy sand, sandy loam	Treflan 1 pt or Lasso 2 to 2½ qt or Dual 1½ to 1½ pt or Prowl 1½ pt or Sonalan 1 1/4 to 2 pt	} plus	1/3--FOLLOWED BY--1/6	or	1/6	or 1/6-1/3
<b>MEDIUM</b> loam, silt loam, sandy clay loam, silt, sandy clay	Treflan 1½ pt or Lasso 2½ to 3 qt or Dual 1½ pt or Prowl 1½ pt or Sonalan 1 3/4 to 2 1/2 pt	} plus	1/2--FOLLOWED BY--1/6	or	1/6-1/3	or 1/3-1/2
			1/3 <sup>(2)</sup> -FOLLOWED BY-1/3	or	1/3-1/2	or (1/2-2/3) <sup>(3)</sup>
<b>FINE</b> (Heavy) silty clay loam*, clay loam, silty clay, clay	Treflan 2 pt or Lasso 2½ to 3 qt or Dual 2 to 2½ pt or Prowl 1½ to 2 pt or Sonalan 2 1/4 to 3 pt	} plus	2/3--FOLLOWED BY--1/6	or	1/6-1/3	or 1/3-1/2
			1/2 <sup>(2)</sup> -FOLLOWED BY-1/3	or	1/3-1/2	or (1/2-2/3) <sup>(3)</sup>

\*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

- (1) On coarse textured soils, do not use on sand soils with less than 1% organic matter, or on loamy sand or sandy loam soils with less than 0.5% organic matter. However, on coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on sand soils with less than 2% organic matter, or on loamy sand or sandy loam soils with less than 1% organic matter.
- (2) Use this lower rate of SENCOR SOLUPAK in the preplant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content.
- (3) Reduce this preemergence overlay rate of SENCOR SOLUPAK by 1/6 pound/acre when using SPLIT-SHOT application on soils with over 4% organic matter and which have a calcareous surface area or a pH of 7.5 or higher.

#### EXTENDED SPLIT-SHOT APPLICATION

(Includes No-Till, Reduced-Till, Ridge-Till, Strip-Till, Mulch-Till)

An early preplant (surface-applied or shallow incorporated) application of SENCOR tank mixed with either Dual or Lasso, followed by a preemergence surface application of SENCOR tank mixed with Dual or Lasso after planting but prior to soybean emergence, will control more broadleaf and grass weeds in soybeans than either herbicide used alone.

An Extended SPLIT-SHOT application will decrease the need for tillage and/or contact herbicides for the control of existing vegetation prior to planting, while providing residual control of weeds after planting.

When an Extended SPLIT-SHOT application of SENCOR SOLUPAK with Dual or Lasso is used, the preplant tank mix combination may be applied 15 to 30 days prior to planting soybeans. Follow directions on the label accompanying the product for SPLIT-SHOT applications from 0 to 14 days before planting.

Where a rate range is recommended, the higher rates should be used (a) in fields with a history of severe weed pressure, (b) when the time between early preplant tank mix and preemergence overlay applications approaches the maximum 30 days, (c) when the organic matter content of the soil is at the upper end of the indicated range, (d) when heavy crop residues are present on the soil surface, and/or (e) when the early preplant tank mix application is shallow incorporated (e.g. use 2 to 2-1/2 qts Lasso in the early preplant tank mix when surface applied and use 2-1/2 to 3 qts Lasso when the tank mix is to be lightly incorporated).

When weeds exceed 1 to 1-1/2 inches in height or diameter at application, use a contact herbicide, such as Round-Up® or Gramoxone.

Refer to the Dual or Lasso label, and to appropriate sections of this label for additional information on soil preparation, herbicide application, weeds controlled, precautions, restrictions, limitations and sprayer clean-up.

**SENCOR SOLUPAK Herbicide**

**Extended SPLIT-SHOT APPLICATION**

**Early Preplant Tank Mix Application  
(Surface-Applied or Shallow Incorporated)**

**Followed by**

**Preemergent**

<b>SOIL TEXTURE (1)</b>	<b>Rate of Combination Product/acre</b>	<b>Plus</b>	<b>Rate of SENCOR SOLUPAK pound/acre</b>		<b>Rate of Combination Product/acre</b>	<b>Plus</b>	<b>Rate of S</b>
							<b>1/2 to 2%</b>
<b>COARSE (Light)</b> Sand, loamy sand, sandy loam	Dual 1 1/3 pt or Lasso 1 1/2 - 2 qt	plus	1/3-1/2	Followed by	Dual 2/3 pt or Lasso 1 1/2 qt	plus	1/6
<b>MEDIUM</b> Loam, silt loam, sandy clay loam, silt, sandy clay	Dual 1-3/4 pt or Lasso 2 - 3 qt	plus	(2) 1/2 - 2/3	Followed by	Dual 3/4 pt or Lasso 1 - 2 qt	plus	1/3
<b>FINE (Heavy)</b> Silty clay loam*, clay loam, silty clay, clay	Dual 2 pt or Lasso 2 - 3 qt	plus	(2) 2/3 - 5/6	Followed by	Dual 1 pt or Lasso 1 - 2 qt	plus	1/3

\*Silty clay loam soils are transitional soils and may be classified as medium textured soils in some

(1) On coarse textured soils, do not use on sand soil with less than 1% organic matter. However, on with a calcareous surface area or a pH of 7.5 or higher, do not use on sand soils with less than 1% organic matter on loamy sand or sandy loam soils with less than 1% organic matter.

(2) Use the lower rate of SENCOR SOLUPAK in the early preplant tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those rare situations where soils within a field vary extremely in texture or organic matter.

Apply SENCOR SOLUPAK plus Sonalan preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

### Mixing

Refer to the "General Information" section in the front of this label.

### Application

Sonalan should be uniformly applied and thoroughly mixed into the soil within 2 days after application. For specific application information, refer to the "General Information" section in the front of this label.

### Broadcast Rates

<u>Soil Texture</u>	<u>SENCOR SOLUPAK lbs/acre</u>	<u>Sonalan 3 EC pts/acre</u>
Coarse <sup>1/</sup> (Sandy loam, loamy sand)	1/3	1 1/4 - 2
Medium <sup>3/</sup> (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	1 3/4 - 2 1/2
Fine <sup>3/</sup> (Silty clay, silty clay loam <sup>2/</sup> , clay, clay loam)	2/3	2 1/4 - 3

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<sup>1/</sup> Do not use on coarse soils with less than 1% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

<sup>3/</sup> For control of lambsquarters, redroot pigweed, wild mustard, and green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR SOLUPAK at rates of 1/3 pound/acre on medium soils and 1/2 to 1/2 pound/acre on fine soils regardless of soil organic matter percentage (use 1/2 pound only where soil pH is less than 7.5 and weed pressure is heavy). The 1/3 pound rate of SENCOR SOLUPAK in tank mix combination with Sonalan can be applied regardless of soil pH. For control of other weeds not listed on the label, use SENCOR SOLUPAK at full rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

Special Precautions (SENCOR plus Sonalan)

For additional precautions, restrictions, limitations, incorporation, and sprayer clean-up information, refer to the appropriate sections of this label and the Sonalan label.

For black nightshade control, refer to the Sonalan label for specific rates and application instructions.

SENCOR plus TREFLAN

SENCOR and Treflan Overlay Application

SENCOR SOLUPAK may be applied as a preemergence broadcast or band overlay application following a pre-plant incorporated treatment of Treflan. Consult the Treflan label for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

SENCOR plus Treflan Tank Mix Application

A single application of a tank mix combination of SENCOR SOLUPAK and Treflan EC will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Prepare the soil surface by deep plowing, offset disking or tandem disking prior to the application of the herbicide combination. The soil surface should be well prepared and free of clods and trash.

This SENCOR plus Treflan tank mix combination may be applied and incorporated into the soil up to 10 days before planting.

Mixing

Refer to the "General Information" section in the front of this label.

Application:

For specific application information refer to the "General Information" section in the front of this label.

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**SENCOR SOLUPAK Herbicide**

Apply SENCOR SOLUPAK plus Treflan to the soil surface and incorporate in the same operation, if possible. Variable weed control may result from delayed incorporation if SENCOR plus Treflan are applied to a wet, warm soil surface or if the wind velocity is 10 miles per hour or higher. Use machinery that mixes SENCOR plus Treflan thoroughly with the soil. Incorporation may be delayed up to 24 hours after application. Shallow incorporation with implements set to cut less than 2 inches deep may result in erratic weed control. Do not use spike or spring-tooth harrows alone for incorporation.

**Broadcast Rates**

<u>Soil Texture</u>	<u>SENCOR SOLUPAK Pounds per Acre</u>	<u>Treflan EC Pints per Acre</u>
Coarse <sup>1/</sup> (Sandy loam, loamy sand)	1/3	1
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam) <sup>3/</sup>	1/2	1-1/2
Fine (Silty clay, silty clay loam, <sup>2/</sup> clay, clay loam) <sup>3/</sup>	2/3	2

<sup>1/</sup> Do not use on coarse soils with less than 1% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

<sup>3/</sup> For control of lambsquarters, redroot pigweed, wild mustard, and green and yellow fox-tails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR SOLUPAK at rates of 1/3 pound/acre on medium soils and 1/3 to 1/2 pound/acre on fine soils regardless of soil organic matter percentage (use 1/2 pound only where soil pH is less than 7.5 and weed pressure is heavy). The 1/3 pound rate of SENCOR SOLUPAK in tank mix combination with Treflan can be applied regardless of soil pH. For control of other weeds listed on the label use SENCOR SOLUPAK at full rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

**Incorporation Equipment:**

1. Set PTO-driven equipment (tillers, cultivators, hoes) to cut 2 to 3 inches deep and space rotors to provide a clean sweep of the soil. PTO equipment should not be operated at a speed greater than 4 miles per hour.
2. Set disk to cut 4 to 6 inches deep and operate twice in different directions at 4 to 6 miles per hour.
3. Set mulch treader and other similar disk-type implements to cut 3 to 4 inches deep and operate twice in different directions at 5 to 8 miles per hour.

**For Coarse and Medium Textured Soils Only**

4. Set rolling cultivator to cut 2 to 4 inches deep and operate twice at 6 to 8 miles per hour. Set bed conditioner (Do-All) to cut 2 to 4 inches deep and operate at 4 to 6 miles per hour.

Special Precautions (SENCOR plus Treflan)

Seedling disease, cold weather, excessive moisture, high salt concentration or drought may weaken soybean seedlings and increase possibility of damage from the tank mix. Do not plant soybeans deeper than 2 inches.

In the Central United States, do not plant sorghum or oats for 12 months where the tank mix has been applied unless 20 inches or more of irrigation and/or rainfall (total) was used to produce the crop. If less than 20 inches total water was used to produce the crop during the year, do not plant either crop for 18 months after the tank mix application. Cool, wet weather conditions during the early stage of growth may increase the possibility of injury to sorghum.

For additional precautions, restrictions, limitations and sprayer clean-up information refer to the appropriate section of this label. Do not use this tank mix combination on soils containing charcoal in Arkansas, Louisiana and Mississippi.

SENCOR plus DUAL

SENCOR plus Dual Overlay Application

Apply a preplant incorporated treatment of Dual 8E as directed on that product label for use on soybeans. Follow with a preemergence treatment of SENCOR SOLUPAK as directed on this label for use on soybeans.

SENCOR plus Dual Tank Mix Applications

Preplant Incorporated Application: Incorporate the tank mixture into the top 2 inches of soil within 14 days before planting using a disk, harrow, rolling cultivator, or similar implement.

Apply SENCOR SOLUPAK plus Dual preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

Preemergence Application

Dry weather following preemergence application of SENCOR plus Dual tank mixture may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tillage equipment such as a rotary hoe that will not damage soybeans.

Mixing Instructions: Refer to the "General Information" section in the front of this label.

For information on applying SENCOR in fluid or dry fertilizer refer to the "Application Of SENCOR SOLUPAK In Fluid Fertilizers" or "Commercial Impregnation And Application Of SENCOR SOLUPAK On Dry Bulk Fertilizer" under the "General Information" section in the front of this label.

**BROADCAST RATES:**

**SENCOR plus Dual Tank Mix Preemergence Applications**

SOIL TEXTURE	ORGANIC MATTER			
	0.5% to 3%		Over 3%	
	SENCOR SOLUPAK Pounds/Acre	Dual 8E Pints/Acre	SENCOR SOLUPAK Pounds/Acre	Dual 8E Pints/Acre
<b>COARSE</b> <sup>1/</sup> (Loamy sand, Sandy loam)	1/3	1-1/4	1/2	1-1/2
<b>MEDIUM</b> (Loam silt loam, silt)	1/2	1-1/2	2/3	2
<b>FINE</b> (Silty clay loam <sup>2/</sup> , sandy clay loam, silty clay, sandy clay, clay loam, clay)	2/3	2	2/3 to 5/6	2 to 2-1/2
<b>MISSISSIPPI DELTA ONLY</b> (Silty clay, clay)	1	2	1	2 to 2-1/2

<sup>1/</sup> Do not use on sand soils. Do not apply SENCOR SOLUPAK and Dual overlay or tank mix preemergence on loamy sand with less than 2% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**BROADCAST RATES**

**SENCOR plus Dual Tank Mix Preplant Incorporated Applications**

SOIL TEXTURE	ORGANIC MATTER			
	0.5% to less than 3%		3% or greater	
	SENCOR SOLUPAK Pounds/Acre	Dual 8E Pints/Acre	SENCOR SOLUPAK Pounds/Acre	Dual 8E Pints/Acre
<b>COARSE</b> <sup>1/</sup> (Loamy sand, sandy loam)	1/3	1-1/4	1/3	1-1/2
<b>MEDIUM</b> (Loam, silt loam, silt)	1/2	1-1/2	1/2	2
<b>FINE</b> (Silty clay loam <sup>2/</sup> , sandy clay loam, silty clay, sandy clay, clay loam, clay)	2/3	2	2/3	2 to 2-1/2
<b>MISSISSIPPI DELTA ONLY:</b> (Silty clay, clay)	2/3 to 5/6	2	2/3 to 5/6	2 to 2-1/2

<sup>1/</sup> Do not use on sand soils. Do not apply SENCOR SOLUPAK plus Dual tank mix preplant incorporated on sand or loamy sand with less 2% organic matter or crop injury may occur.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Special Precautions (SENCOR and Dual)

For additional precautions, restrictions, limitations, and sprayer clean-up information refer to the appropriate sections of this label and the Dual label.

SENCOR plus PROWL

SENCOR plus Prowl Overlay Application

Apply a preplant incorporated treatment of Prowl as directed on that product label for use on soybeans. Follow with a preemergence treatment of SENCOR as directed on this label for use on soybeans.

SENCOR plus Prowl Tank Mix Application

Preplant Incorporated Application: Prepare the soil by plowing or disking to mix previous crop residues into the soil to a depth of 4 to 6 inches.

For specific application information refer to the "General Information" section in the front of this label.

Incorporate the tank mixture into the top 1 or 2 inches of soil within 7 days after application according to label directions for Prowl. Mechanical incorporation is not required if a rain of one-quarter inch or more occurs within 7 days after application. Soybeans must be planted no later than 7 days after application of the tank mixture.

Preemergence Application: Except for minimum and no-tillage systems, the seed bed should be firm and free of trash and clods.

For specific application information refer to the "General Information" section in the front of this label. Do not apply Prowl preemergence north of Interstate 80.

This application must be made after planting and before crop emergence. Do not incorporate.

If cultivation is necessary because of soil crusting, soil compaction or weed germination before rain or irrigation, use shallow tilling equipment such as a rotary hoe that does not damage soybeans.

Mixing Instructions: Refer to the "General Information" section in the front of this label.

For information on applying SENCOR SOLUPAK in fluid or dry fertilizer refer to the "Application Of SENCOR SOLUPAK In Fluid Fertilizers" or "Commercial Impregnation And Application Of SENCOR SOLUPAK On Dry Bulk Fertilizer" under the "General Information" section in the front of this label.

**SOUTHERN STATES AND EASTERN COASTAL PLAINS**

For use only in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, Southeastern Missouri "Bootheel" Region and Coastal Plains of Delaware\*, Maryland\*, New Jersey\* and Virginia\*.

\*SENCOR/Prowl is not recommended for use on soils with less than 2% organic matter in the coastal plain of New Jersey or the Delmarva Peninsula.

**BROADCAST RATES**

**SENCOR plus Prowl Tank Mix Applications**

SOIL TEXTURE	SENCOR SOLUPAK Pounds/Acre	Prowl Pints/Acre
COARSE <sup>1/</sup> (Sandy loam, loamy sand)	1/3	1-1/2
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	1-1/2
FINE (Silty clay, silty clay loam <sup>2/</sup> , clay, clay loam)	2/3	1-1/2 to 2

<sup>1/</sup> Do not use on sand soils. Do not use on loamy sand or sandy loam containing less than 1% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in certain regions of the U.S.

Do not use on muck or peat soils.

**NORTHEASTERN AND NORTH CENTRAL STATES**

For use only in Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, North Dakota, Ohio, Pennsylvania, South Dakota, Wisconsin and Missouri (except the "Bootheel" Region).

**BROADCAST RATES**

**SENCOR plus Prowl Tank Mix Applications**

SOIL TEXTURE	ORGANIC MATTER			
	1/2 to 3%		Over 3%	
	SENCOR SOLUPAK Pounds/Acre	Prowl Pints/Acre	SENCOR SOLUPAK Pounds/Acre	Prowl Pints/Acre
<b>COARSE<sup>1/</sup></b> (Sandy loam, loamy sand)	1/3	1	1/2	1-1/2
<b>MEDIUM</b> (Loam, silt loam sandy clay, sandy clay loam)	1/2	1-1/2 to 2	1/2 to 2/3	1-1/2 to 2
<b>FINE</b> (Silty clay , silty clay loam, <sup>2/</sup> clay, clay loam)	1/2 to 2/3	1-1/2 to 2	2/3 to 5/6	2 to 2-1/2

**1/** Do not use on sand soils. Do not use on loamy sand or sandy loam containing less than 1% organic matter. Where a range of rates is shown for medium and fine soils, use the higher rate if heavy weed infestations are anticipated.

**2/** Silty clay loam soils are transitional soils and may be classified as medium textured soils in certain areas of the U.S.

Do not use on muck or peat soils.

**Special Precautions (SENCOR plus Prowl)**

Soil incorporation deeper than recommended will reduce weed control and can result in crop injury.

For additional precautions, restrictions, limitations, and sprayer clean-up information, refer to the appropriate sections of this label and the Prowl label.

**SENCOR plus LASSO**

**SENCOR plus Lasso Tank Mix Application**

**PREEMERGENCE:** SENCOR SOLUPAK may be used in a tank mix combination with Lasso as a preemergence band or broadcast application to soybeans in accordance with the specified soil types and dosages recommended.

For specific information regarding spray equipment, dilution rates, mixing, directions for use, methods of application, limitations and restrictions refer to the appropriate section of this label.

Refer to the Lasso label for pertinent recommendations, directions for use, restrictions and any additional weeds not specified on this label.

**RECOMMENDED APPLICATIONS**  
 SENCOR plus Lasso Tank Mix Preemergence Application (Broadcast rates)

SOIL TEXTURE	1/2 to 3% Organic Matter		Greater than 3% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	+ Lasso Qts./Acre	SENCOR SOLUPAK Lbs./Acre	+ Lasso Qts./Acre
<u>COARSE</u> <sup>1/</sup> (Sandy loam)	1/3	+ 1-1/2 to 2	1/2	+ 1-1/2 to 2
<u>MEDIUM</u> <sup>2/</sup> (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	+ 1-1/2 to 2	2/3	+ 1-1/2 to 2
<u>FINE</u> <sup>2/</sup> (Silty clay, silty clay loam, <sup>3/</sup> clay, clay loam)	2/3	+ 2	2/3 to 5/6	+ 2 to 2-1/2
<u>Mississippi Delta Only</u> (Silty clay to heavy clay)	<u>SENCOR SOLUPAK Lbs./Acre + Lasso Qts./Acre</u> 1 1/3 + 2 to 2-1/2			

- <sup>1/</sup> Do not use SENCOR plus Lasso on sand or loamy sand soils with less than 2% organic matter.
- <sup>2/</sup> For control of lambsquarters, redroot pigweed, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR SOLUPAK at rates of 1/3 pound/acre on medium soils and 1/3 to 1/2 pound/acre on fine soils regardless of soil organic matter percentage (use 1/2 pound only where soil pH is less than 7.5 and weed pressure is heavy). The 1/3 pound/acre rate of SENCOR SOLUPAK in tank mix combination with Lasso can be applied regardless of soil pH. For control of other weeds use SENCOR SOLUPAK at full rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.
- <sup>3/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

DO NOT USE ON MUCK SOILS.

**PREPLANT INCORPORATED:** For specific application information refer to the "General Information" section in the front of this label.

Apply SENCOR SOLUPAK plus Lasso preplant incorporated if furrow irrigation is used or when period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation. Apply within 7 days prior to planting and shallowly incorporate into the upper 1 to 2 inches of soil.

**RECOMMENDED APPLICATIONS**

SENCOR plus Lasso Tank Mix Preplant Incorporated Applications (Broadcast Rates)

SOIL TEXTURE	SENCOR SOLUPAK Pounds/Acre	Lasso Quarts/Acre
<u>COARSE</u> <sup>1/</sup> (Loamy sand [over 2% organic matter], sandy loam)	1/3	2 to 2-1/2
<u>MEDIUM</u> (Loam, silt loam, silt)	1/2	2-1/2 to 3
<u>FINE</u> (Silty clay loam <sup>2/</sup> , sandy clay loam, silty clay, sandy clay, clay loam, clay)	2/3	2-1/2 to 3
<u>Mississippi Delta Only:</u> (Silty clay, clay)	2/3 to 5/6	2-1/2 to 3

<sup>1/</sup> Do not use SENCOR plus Lasso on sand or loamy sand soils with less than 2% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**DO NOT USE ON MUCK SOILS.**

**Special Precautions (SENCOR plus Lasso)**

For additional precautions, restrictions, limitations and sprayer clean-up information refer to the appropriate sections of this label and the Lasso label.

**SENCOR plus Cannon®**

SENCOR SOLUPAK may be tank mixed with Cannon 3 EC for preplant incorporated application to control certain weeds in soybeans. Refer to the "General Information" section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by SENCOR SOLUPAK. See appropriate sections of the Cannon 3 EC herbicide label for additional precautionary statements, directions for use, recommendations and additional weeds controlled.

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**SENCOR SOLUPAK Herbicide**

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**RECOMMENDED APPLICATIONS**

**SENCOR plus Cannon Tank Mix Preplant Incorporated Application (Broadcast rates)**

SOIL TEXTURE	<u>1/2 to 3% Organic Matter</u>		<u>Greater than 3% Organic Matter</u>	
	SENCOR SOLUPAK Lbs./ Acre	+ Cannon 3 EC Qts./Acre	SENCOR SOLUPAK Lbs./ Acre	+ Cannon 3 EC Qts./Acre
<u>COARSE</u> <sup>1/</sup> (Sandy loam)	1/3	+ 3	1/2	+ 3
<u>MEDIUM</u> <sup>2/</sup> (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	+ 3	2/3	+ 3
<u>FINE</u> <sup>2/</sup> (Silty clay, silty clay loam, <sup>3/</sup> clay, clay loam)	2/3	+ 3	2/3 to 5/6	+ 3
<u>Mississippi Delta Only</u> (Silty clay to heavy clay)	<u>SENCOR SOLUPAK Lbs./Acre + Cannon 3 EC Qts./Acre</u> 1 1/3 + 3			

- <sup>1/</sup> Do not use SENCOR plus Cannon on sand or loamy sand soils with less than 2% organic matter.
- <sup>2/</sup> For control of lambsquarters, redroot pigweed, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR SOLUPAK at rates of 1/3 pound/acre on medium soils and 1/3 to 1/2 pound/acre on fine soils regardless of soil organic matter percentage (use 1/2 pound only where soil pH is less than 7.5 and weed pressure is heavy). The 1/3 pound/acre rate of SENCOR SOLUPAK in tank mix combination with Cannon can be applied regardless of soil pH. For control of other weeds use SENCOR SOLUPAK at full rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.
- <sup>3/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**DO NOT USE ON MUCK SOILS.**

Do not allow sprays to drift on to adjacent desirable plants.

Observe all cautions and limitations on the labeling of all products used in mixtures.

SENCOR plus Command®

SENCOR SOLUPAK may be applied in combination with Command 4EC as a preplant or shallow incorporated application for the control of certain weeds in soybeans. Consult the Command label for specific directions on use, recommendations, restrictions and any additional weeds not specified on this label.

**SENCOR plus Command (Continued)**

**Mixing**

Refer to the "General Information" section in the front of this label.

**Application**

SENCOR plus Command 4EC may only be applied with ground equipment as a preplant or shallow incorporated application. SENCOR plus Command should be immediately incorporated into the top 1-3 inches after application unless surface is dry. On dry soils, incorporate into the top 1-3 inches within 3 hours of tank mix application.

Do not apply this tank mix within 1000 feet of towns and subdivisions, commercial vegetable, fruit, nurseries or greenhouse operations.

A minimum of 15 gallons spray volume per acre is recommended with appropriate nozzle types and sizes to produce a coarse spray droplet. The use of an approved agricultural drift reducing additive is recommended for application volumes of 15-40 gallons per acre. The use of an approved agricultural drift reducing additive is required at spray volumes of 10-15 gallons per acre.

**NOTE:** Off-site movement of Command spray drift or vapors can cause foliar whitening or yellowing of some vegetation. Prior to application of Command, read and strictly follow all precautions and application instructions as set forth in that label.

For additional information on application, refer to the "General Information" section in the front of this label and the Command label.

**Weeds Controlled:** Bristly Starbur, Carpetweed, Copperleaf, Florida Beggarweed, Florida Pusley, Galinsoga, Jimsonweed, Knotweed, Lambsquarters, Pigweeds, Prickly Sida/Teaweed, Purslane, Common Ragweed, Redweed, Sesbania, Smartweeds, Spurred Anoda, Velvetleaf, Venice Mallow, Wild Mustards, Barnyardgrass\*, Bluegrass, Broadleaf Signalgrass, Crabgrass\*, Foxtails (Green, Giant, Yellow\*, Robust Purple), Goosegrass, Johnsongrass (seedling)\*, Fall Panicum\*, Texas Panicum, and witchgrass.

\*Use 2 pts/A Command 4EC on coarse and medium textured soils with high populations of these weeds.

**RECOMMENDED APPLICATIONS**  
**SENCOR SOLUPAK plus COMMAND 4EC Tank Mix Preplant Incorporated Application**

Broadcast Rates	ORGANIC MATTER			
	0.5 to 3%		Over 3%	
Soil Texture <sup>1/</sup>	SENCOR SOLUPAK (lbs/acre)	Command 4 EC (pts/acre)	SENCOR SOLUPAK (lbs/acre)	Command 4 EC (pts/acre)
Coarse <sup>2/</sup> (Sandy loam, loamy sand)	1/3	1 1/2 - 2	1/3	1 1/2 - 2
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/3 - 1/2	1 1/2 - 2	1/3 - 1/2	1 1/2 - 2
Fine (Silty clay, silty clay loam <sup>3/</sup> , clay, clay loam)	1/3 - 1/2	1 1/2 - 2	1/2 - 2/3	1 1/2 - 2

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SENCOR plus Command (Continued)

- 1/ Crop injury may occur on soils having a calcareous surface area or a pH of 7.1 or higher.
- 2/ Do not use on coarse soils with less than 1% organic matter.
- 3/ Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Special Precautions (SENCOR SOLUPAK plus Command)

Do not rotate to wheat, oats, barley, rye, alfalfa or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur.

Do not apply when weather conditions favor drift.

Do not use treated vines for feed or forage.

Observe all cautions and limitations on labeling of all products used in mixtures.

Do not apply aurally or through irrigation equipment.

SENCOR plus Commence®

SENCOR plus Commence Tank Mix Early Preplant Incorporated Application

SENCOR SOLUPAK in a tank mix with Commence 5.25 EC may be applied broadcast preplant incorporated up to 30 days before planting soybeans for the control of certain broadleaf weeds and grasses. Refer to the Commence herbicide label for additional directions for use, weeds controlled, recommendations, restrictions and limitations not specified on this label.

Mixing: Refer to the "General Information" section on this label.

Application: For information on applying SENCOR SOLUPAK, refer to the "General Information" section on this label.

RECOMMENDED APPLICATION

SENCOR SOLUPAK plus Commence 5.25 EC Tank Mix  
 Early Preplant Incorporated Application<sup>a/</sup>

Soil Texture	Organic Matter			
	1/2 - 3%		Over 3%	
	SENCOR SOLUPAK 1b/A	Commence 5.25 EC pt/A	SENCOR SOLUPAK 1b/A	Commence 5.25 EC pt/A
Coarse <sup>b/</sup>	1/2	1 1/3 to 2	1/2	1 1/3 to 2
Medium	2/3	2 to 2 1/4	2/3	2 to 2 1/4
Fine	2/3	2 2/3	1	2 2/3

<sup>a/</sup> For use on soils with a pH of 7.5 or lower.

<sup>b/</sup> Do not use on coarse soils with less than 1% organic matter.

Restrictions and Limitations:

Do not apply aerially or through irrigation equipment.

Do not apply when weather conditions favor drift.

Do not allow sprays to drift on to adjacent desirable plants.

Do not use treated vines for feed or forage.

Do not rotate to wheat, oats, barley, rye, alfalfa or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur.

Observe all cautions and limitations on the labeling of all products used in mixtures.

SENCOR plus Commence Tank Mix Preplant Incorporated

SENCOR SOLUPAK may be tank mixed with Commence 5.25 EC for preplant incorporated application to control certain weeds in soybeans. Refer to the "General Information" section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by SENCOR SOLUPAK. See appropriate sections of the Commence 5.25 EC herbicide label for additional precautionary statements, directions for use, recommendations and additional weeds controlled.

RECOMMENDED APPLICATIONS

SENCOR Plus Commence Tank Mix Preplant Incorporated Application

Broadcast Rates Soil Texture <sup>1/</sup>	ORGANIC MATTER			
	1/2 to 3%		Over 3%	
	SENCOR SOLUPAK (lbs/acre)	Commence 5.25 EC (pts/acre)	SENCOR SOLUPAK (lbs/acre)	Commence 5.25 EC (pts/acre)
Coarse <sup>2/</sup> (Sandy loam, loamy sand)	1/3	1 1/3 to 2	1/3	1 1/3 to 2
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/3 to 1/2	2 to 2-1/4	1/3 to 1/2	2 to 2-1/4
Fine (Silty clay, silty clay loam <sup>3/</sup> , clay, clay loam)	1/3 to 1/2	2-2/3	1/2 to 2/3	2-2/3

<sup>1/</sup> Crop injury may occur on soils having a calcareous surface area or a pH of 7.1 or higher.

<sup>2/</sup> Do not use on coarse soils with less than 1% organic matter.

<sup>3/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Special Precautions (SENCOR plus Commence)

Do not rotate to wheat, oats, barley, rye, alfalfa or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur.

Do not apply when weather conditions favor drift.

Do not use treated vines for feed or forage.

Do not apply aerially or through irrigation equipment.

Do not allow sprays to drift on to adjacent desirable plants.

Observe all cautions and limitations on the labeling of all products used in mixtures.

SENCOR SOLUPAK plus Freedom®

SENCOR SOLUPAK may be tank mixed with Freedom 3 EC for preplant incorporated application to control weeds in soybeans. Refer to the "General Information" section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by SENCOR SOLUPAK. See appropriate sections of the Freedom 3 EC herbicide label for additional precautionary statements, directions for use, recommendations and additional weeds controlled.

RECOMMENDED APPLICATIONS

SENCOR plus Freedom Tank Mix Preplant Incorporated Application (Broadcast rates)

SOIL TEXTURE	1/2 to 3% Organic Matter		Greater than 3% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	+ Freedom 3 EC Qts./Acre	SENCOR SOLUPAK Lbs./Acre	+ Freedom 3 EC Qts./Acre
<u>COARSE</u> <sup>1/</sup> (Sandy loam)	1/3	+ 2-3/4 to 3-1/2	1/2	+ 3 to 3-1/2
<u>MEDIUM</u> <sup>2/</sup> (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	+ 2-3/4 to 3-1/2	2/3	+ 3-1/2 to 4
<u>FINE</u> <sup>2/</sup> (Silty clay, silty clay loam, <sup>3/</sup> clay, clay loam)	2/3	+ 3-1/2 to 4	2/3 to 5/6	+ 3-1/2 to 4-1/2
<u>Mississippi Delta Only</u> (Silty clay to heavy clay)	SENCOR SOLUPAK Lbs./Acre + Freedom 3 EC Qts./Acre 1 1/3 + 3 1/2 to 4 1/2			

- <sup>1/</sup> Do not use SENCOR plus Freedom on sand or loamy sand soils with less than 2% organic matter.
- <sup>2/</sup> For control of lambsquarters, redroot pigweed, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR SOLUPAK at rates of 1/3 pound/acre on medium soils and 1/3 to 1/2 pound/acre on fine soils regardless of soil organic matter percentage (use 1/2 pound only where soil pH is less than 7.5 and weed pressure is heavy). The 1/3 pound/acre rate of SENCOR SOLUPAK in tank mix combination with Freedom can be applied regardless of soil pH. For control of other weeds use SENCOR SOLUPAK at full rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.
- <sup>3/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

DO NOT USE ON MUCK SOILS.

Do not allow sprays to drift on to adjacent desirable plants.

Observe all cautions and limitations on the labeling of all products used in mixtures.

SENCOR plus Canopy® plus a Grass Herbicide

A tank mix combination of SENCOR SOLUPAK plus Canopy 75 DF plus a registered and recommended grass herbicide (Dual, Lasso, Prowl, Sonalan or Treflan) is recommended for control of the following weeds in soybeans:

Weeds Controlled

Annual Grasses

Barnyardgrass  
 Bluegrass  
 Broadleaf signalgrass  
 Browntop Millet  
 Crabgrass  
 Crowfootgrass  
 Foxtails  
 Goosegrass  
 Johnsongrass (seedling)  
 Junglerice  
 Panicum, Fall  
 Panicum, Texas  
 Sandbur  
 Sprangletop  
 Stinkgrass

Annual Broadleaves

Bristly Starbur  
 Carpetweed  
 Cocklebur  
 Copperleaf, Hophornbeam  
 Florida Beggarweed  
 Florida Pusley  
 Galinsoga  
 Jimsonweed  
 Knotweed  
 Kochia  
 Lambsquarters  
 Pigweed  
 Prickly Sida/Teaweed  
 Purslane  
 Ragweed, Common  
 Redweed  
 Russian Thistle  
 Sesbania  
 Shepherdspurse  
 Smartweed  
 Spurred Anoda  
 Velvetleaf  
 Venice mallow  
 Wild mustard

Tank mix combinations which include Dual, Lasso or Prowl can be applied preemergence broadcast or preplant incorporated broadcast. When Sonalan or Treflan are used in the tank mix, apply preplant incorporated broadcast. Refer to the table below for recommended rates of each product to be used in tank mix combinations:

RECOMMENDED APPLICATIONS

SENCOR SOLUPAK plus Canopy 75 DF plus a Grass Herbicide  
(Broadcast Rates)

- A = Treflan (pt/acre)
- B = Dual (pt/acre)
- C = Prowl (pt/acre)
- D = Lasso (qt/acre)
- E = Sonalan (pt/acre)

Soil <sup>1/</sup> Texture	A	B	C	D	E	SENCOR SOLUPAK (lbs/acre)	Canopy DF (oz/Acre)
Coarse <sup>2/</sup>	1	1½-1½	1½	2-2½	1½-2	1/3	3
Medium	1½	1½-2	1½-2	2½-3	1½-2½	1/3 to 1/2 <sup>3/</sup>	3
Fine	2	2-2½	1½-2½	2½-3	2½-3	1/2 to 2/3 <sup>3/</sup>	3 to 4

- <sup>1/</sup> Do not use on soils with a pH greater than 7.0.
- <sup>2/</sup> Refer to "Soil Texture" paragraph on this label for specific soil classification.
- <sup>3/</sup> Use the lower rate of SENCOR SOLUPAK in preplant incorporated tank-mix in those situations where soils within a field vary extremely in texture or organic matter content.

Refer to the "General Information" section of this label for mixing and application directions.

**IMPORTANT:** If weeds escape in fields treated with these tank mix combinations, postemergence application of a registered and recommended herbicide will be needed for control.

Special Precautions:

For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of the labels for SENCOR SOLUPAK and Canopy 75 DF.

Observe all cautions and limitations on labeling of all products used in mixtures.

Do not use treated vines or feed or forage.

SENCOR Plus Command Plus a Grass Herbicide

SENCOR SOLUPAK may be applied with Command 4EC and a grass herbicide (Treflan, Lasso, Dual, Prowl or Sonalan) for the control of certain broadleaf weeds and grasses in soybeans. This combination will provide improved control of heavy infestations of velvetleaf, jimsonweed and common ragweed. SENCOR SOLUPAK and Command 4EC plus a grass herbicide may be applied preplant incorporated broadcast. Consult the Command, Treflan, Lasso, Dual Prowl or Sonalan labels for specific directions for use, recommendations, restrictions and additional weeds controlled not specified on this label.

Mixing:

Refer to the "General Information" section in the front of this label.

Application:

For specific application information, refer to the "General Information" section in the front of this label.

**SENCOR Plus Command Plus A Grass Herbicide Tank Mix Application (Cont'd)**

**Weeds Controlled:**

Annual Grasses

Barnyardgrass  
 Bluegrass  
 Broadleaf signalgrass  
 Browntop millet  
 Crabgrass  
 Crowfootgrass  
 Foxtails  
 Goosegrass  
 Johnsongrass (seedling)  
 Panicum, Fall  
 Witchgrass

Annual Broadleaves

Bristly Starbur  
 Carpetweed  
 Copperleaf, Hophornbeam  
 Florida Beggarweed  
 Florida Pusley  
 Galinsoga  
 Jimsonweed  
 Knotweed  
 Kochia  
 Lambsquarters  
 Pigweeds  
 Prickly Sida/Teaweed  
 Purslane  
 Ragweed, Common  
 Redweed  
 Russian Thistle  
 Sesbania  
 Shepherdspurse  
 Sicklepod  
 Smartweeds  
 Spotted spurge  
 Spurred Anoda  
 Velvetleaf  
 Venice mallow  
 Wild Mustard

SENCOR and Command plus Treflan, Lasso, Dual, Prowl or Sonalan will provide suppression (reduce the competition) of cocklebur and sunflower.

**Recommended Application  
 (Broadcast Rates)**

A = Treflan (pt/acre)  
 B = Dual (pt/acre)  
 C = Prowl (pt/acre)

D = Lasso (qt/acre)  
 E = Sonalan (pt/acre)

Soil <sup>1/</sup> Texture	Recommended Application					SENCOR SOLUPAK (lbs/acre)	Command 4 EC <sup>3/</sup> (pts/Acre)
	A	B	C	D	E		
Coarse	1	1½-1½	1½	2-2½	1½-2	1/3	1/2 to 3/4
Medium	1½	1½-2	1½-2	2½-3	1 3/4-2½	1/3 to 1/2 <sup>2/</sup>	1/2 to 3/4
Fine	2	2-2½	1½-2½	2½-3	2½-3	1/2 to 2/3 <sup>2/</sup>	1/2 to 3/4

<sup>1/</sup> Refer to "Soil Texture" paragraph on this label for specific soil classification. On coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on loamy sand or sandy loam soils with less than 1% organic matter.

<sup>2/</sup> The higher rate of SENCOR SOLUPAK is recommended for the control of sicklepod and hemp seshania. Use the lower rate of SENCOR SOLUPAK in the preplant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content.

<sup>3/</sup> Higher rate is recommended under moderate to heavy weed infestations.

SENCOR plus Scepter plus a Grass Herbicide

SENCOR SOLUPAK may be applied with Scepter herbicide and a grass herbicide (Treflan, Lasso, Dual, Prowl or Sonalan) for the control of certain broadleaf weeds and grasses in soybeans. SENCOR and Scepter plus Treflan or Sonalan may be applied preplant incorporated broadcast. SENCOR and Scepter plus Lasso, Dual or Prowl may be applied preplant incorporated, preemergence broadcast or in a band application. Consult the Scepter, Treflan, Lasso, Dual, Prowl or Sonalan labels for specific directions for use, recommendations, restrictions and additional weeds controlled not specified on this label.

Mixing:

Refer to the "General Information" section in the front of this label.

Application:

For specific application information, refer to the "General Information" section in the front of this label.

Weeds Controlled:

SENCOR SOLUPAK plus Scepter plus Treflan, Lasso, Dual, Prowl or Sonalan will control the following broadleaf weeds and grasses:

Annual Grasses

Barnyardgrass  
Bluegrass  
Broadleaf signalgrass  
Browntop Millet  
Crabgrass  
Crowfootgrass  
Foxtails  
Goosegrass  
Johnsongrass (seedling)  
Panicum, Fall  
Witchgrass

Annual Broadleaves

Bristly Starbur  
Buffalobur  
Carpetweed  
Cocklebur  
Coffee Senna  
Copperleaf, Hophornbeam  
Florida Beggarweed  
Florida Pusley  
Galinsoga  
Jimsonweed  
Knotweed  
Kochia  
Lambsquarters  
Morningglory, pitted  
Morningglory, smallflower  
Pigweeds  
Prickly Sida/Teaweed  
Purslane  
Ragweed, Common  
Redweed  
Russian Thistle  
Sesbania  
Shepherdspurse  
Sicklepod  
Smartweeds  
Spotted spurge  
Spurred Anoda  
Sunflower  
Velvetleaf  
Venice mallow  
Wild mustards

SENCOR and Scepter plus Treflan, Lasso, Dual, Prowl or Sonalan will suppress (reduce the competition) of ivyleaf and tall morningglory, and red rice.

**SENCOR SOLUPAK Herbicide**

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**SENCOR Plus Scepter Plus A Grass Herbicide (Cont'd)**

**Recommended Application  
(broadcast rates)**

A = Treflan (pt/acre)  
 B = Dual (pt/acre)  
 C = Prowl (pt/acre)

D = Lasso (qt/acre)  
 E = Sonalan (pt/acre)

Soil <sup>1/</sup> Texture	A	B	C	D	E	SENCOR SOLUPAK pound/acre	Scepter (1.5 lb/gal liquid) <sup>3/</sup> - OR - Scepter pint/Acre		ounce
Coarse	1	1½-1¾	1½	2-2½	1½-2	1/3	1/3 to 1/2	1.4	
Medium	1½	1½-2	1½-2	2½-3	1 3/4-2½	1/3 to 1/2 <sup>2/</sup>	1/3 to 1/2	1.4	
Fine	2	2-2½	1½-2½	2½-3	2½-3	1/2 to 2/3 <sup>2/</sup>	1/3 to 1/2	1.4	

<sup>1/</sup> Refer to "Soil Texture" paragraph on this label for specific soil classification. On coarse soils with a calcareous surface area or a pH of 7.5 or higher, do not use on loamy sand or sandy loam soils with less than 1% organic matter.

<sup>2/</sup> The higher rate of SENCOR is recommended for preemergence tank mix application and for the control of sicklepod and hemp sesbania. Use the lower rate of SENCOR in the preplant incorporated tank mix application having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soil conditions in the field vary extremely in texture or organic matter content.

<sup>3/</sup> Higher rate is recommended under moderate to heavy weed infestations.

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or Treflan, apply the tank mix broadcast preplant incorporated.

**Mixing and Application:** Refer to the "General Information" section of this label for directions on mixing and application of SENCOR SOLUPAK.

Recommended Applications

SENCOR SOLUPAK plus Pursuit and a Grass Herbicide\*  
(Broadcast Rates)

<u>Soil Texture</u>	<u>SENCOR SOLUPAK (lb/A)</u>	+	<u>Pursuit oz/A</u>
Coarse	1/3	+	4
Medium	2/5 to 1/2	+	4
Fine	1/2 to 2/3	+	4

\*For control of grass weeds, include Dual, Lasso, Prowl, Sonalan or Treflan at label rates in the tank mix with SENCOR SOLUPAK and Pursuit herbicides.

Restrictions and Limitations:

Do not apply this tank mix with aerial or irrigation equipment. Do not apply when weather conditions favor drift, or allow sprays to drift on to adjacent desirable plants. Do not use treated vines for feed or forage. Refer to appropriate sections of the Pursuit herbicide label for restrictions on use area and rotational crops.

Observe all cautions and limitations on the labeling of all products used in mixtures.

SENCOR plus Pursuit Plus Herbicide

SENCOR SOLUPAK may be tank mixed with Pursuit Plus herbicide for broadcast preemergence or preplant incorporated application to soybeans for control of certain broadleaf and grass weeds. Refer to the Pursuit Plus herbicide label for additional directions for use, recommendations, restrictions and limitations not included on this label.

**Mixing and Application:** Refer to the "General Information" section of this label for directions on mixing and application of SENCOR SOLUPAK.

Recommended Applications

SENCOR SOLUPAK plus Pursuit Plus Herbicide  
(Broadcast Rates)

<u>Soil Texture</u>	<u>SENCOR SOLUPAK (lb/A)</u>	<u>Pursuit Plus (pts/A)</u>
Coarse	1/3	2 1/2
Medium	2/5 to 1/2	2 1/2
Fine	1/2 to 2/3	2 1/2

Restrictions and Limitations:

Do not apply this tank mix with aerial or irrigation equipment. Do not apply when weather conditions favor drift, or allow sprays to drift on to desirable plants.

Do not use treated vines for feed or forage.

Refer to appropriate sections of the Pursuit Plus herbicide label for restrictions on use area and rotational crops.

Observe all cautions and limitations on the labeling of all products used in mixtures.

**SENCOR Plus SURFLAN**

SENCOR SOLUPAK may be used in a tank mix combination with Surflan A.S. as a preemergence application to control weeds in soybeans in accordance with the specified soil types and dosages recommended. Consult the Surflan label for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

Mixing Instructions: Refer to the "General Information" section in the front of this label.

Application: Apply within 2 days after planting but before crop emergence.

One-half inch of rain or more or its equivalent in overhead irrigation is needed to activate the herbicide combination. If a one-half inch rain does not occur within 7 days after application, incorporate the herbicide combination into the top one inch of the soil with a ground-driven rotary hoe, rolling cultivator, or similar implement that will not damage soybean plants. Cultivation will control emerging annual weeds and grasses and improve herbicidal effectiveness. If heavy rains pack the soil surface, rotary hoe to break the crust and to aid soybean emergence.

For specific information on application, refer to the "General Information" section in the front of this label.

**BROADCAST RATES**

SOIL TEXTURE	SENCOR SOLUPAK Pounds Per Acre	Surflan A.S. Quarts Per Acre
COARSE <sup>1/</sup> (Sand, sandy loam, loamy sand)	1/3	1/2 to 3/4
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	3/4 to 1
FINE (Silty clay, silty clay loam, <sup>2/</sup> clay, clay loam)	2/3	1 to 1 1/4
Mississippi Delta Only	2/3 to 5/6	1 to 1 1/4

<sup>1/</sup> Not recommended on sand with less than 1% organic matter. Do not use on soils containing more than 5% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Special Precautions (SENCOR plus Surflan)

Do not plant root crops for 12 months following application.

Do not contaminate any body of water nor apply to any area not specified on the label.

For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate section of this label and the Surflan A.S. label.

SENCOR plus AMIBEN

SENCOR plus Amiben Preemergence Tank Mix Application

SENCOR SOLUPAK may be applied in a tank mix combination with Amiben 2 as a band or broadcast application to soybeans.

SENCOR plus Amiben Preemergence Tank Mix Application

**BROADCAST RATES**

SOIL TEXTURE	1/2 to 3% Organic Matter		Greater than 3% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	+ Amiben 2 Gal./Acre	SENCOR SOLUPAK Lbs./Acre	+ Amiben 2 Gal./Acre
COARSE <sup>1/</sup> (Sandy loam, loamy sand)	1/3	+ 3/4 to 1	1/2	+ 3/4 to 1
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	+ 3/4 to 1	2/3	+ 1 to 1-1/4
FINE (Silty clay, silty clay loam <sup>2/</sup> , clay, clay loam)	2/3	+ 1 to 1-1/4	2/3 to 5/6	+ 1 to 1-1/4
Mississippi Delta Only (Silty clay to heavy clay)	<u>SENCOR SOLUPAK Lbs./Acre + Amiben Gal./Acre</u>			
	1 1/3		+ 1-1/2	

<sup>1/</sup> Do not use on sandy loam or loamy sand soil with less than 2% organic matter. Do not use on sand soils.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**DO NOT USE ON MUCK SOILS.**

Where a rate range is specified, use the higher rate in fields with a history of intense weed pressure. See "Rate Ranges" in the front of the "Soybeans" section on this label.

For additional precautions and information regarding spray equipment, mixing, application, limitations and restrictions refer to the appropriate section of this label and the Amiben label.

**SENCOR plus linuron plus (Lasso or Dual)**

**SENCOR plus linuron plus (Lasso or Dual) Tank Mix Application**

SENCOR SOLUPAK may be applied in combination with linuron 50 DF or 4L and Lasso 4 or Dual 8 EC as a preemergence application for the control of certain weeds in soybeans. Consult the linuron, Lasso, or Dual labels for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

**Mixing**

Refer to the "General Information" section in the front of this label.

**Application**

Applications can be made only with ground spray equipment in accordance with specified soil types and dosage rates. For specific application information, refer to the "General Information" section in the front of this label.

**Broadcast Rates  
 (0.5 to 3% Organic Matter Only)**

SOIL TEXTURE	SENCOR SOLUPAK Lbs/Acre	linuron 50 DF (1b/Acre) or 4 L (pts/Acre)	Lasso 4 Qt/Acre	or	Dual 8 EC Pt/Acre
Coarse <sup>1/</sup> (Sandy, loamy sand, sandy loam)	1/6 to 1/4	1/3 to 1/2	3/4 to 1	or	1 to 1½
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/4 to 1/3	1/2 to 3/4	1 to 1½	or	1½ to 1¾
Fine (Silty clay, silty clay loam <sup>2/</sup> , clay, clay loam)	1/3 to 1/2	¾ to 1 1/2	1½ to 2	or	1½ to 2

<sup>1/</sup> Do not use SENCOR plus linuron plus (Lasso or Dual) on sand soils with less than 1% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**Special Precautions (SENCOR plus linuron plus (Lasso or Dual))**

For additional precautions, restrictions, limitations, and sprayer clean-up information, refer to the appropriate sections of this label and the linuron label and the Lasso or Dual labels.

FOR USE IN COARSE (LIGHT) SOILS IN Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia.

SENCOR herbicide is recommended alone or in combination with Treflan, Lasso, Dual, Surflan or Amiben for use in coarse-textured, low organic matter soils in the states listed above for the control of certain weeds in soybeans. Refer to the appropriate sections of this label and the Treflan, Lasso, Dual, Surflan or Amiben labels for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

Mixing

Refer to the "General Information" section in the front of this label.

Application

For specific application information, refer to the "General Information" section in the front of this label.

SENCOR (Alone) Preemergence Application

Broadcast Rates

SOIL TEXTURE	ORGANIC MATTER	SENCOR SOLUPAK LBS/ACRE
<u>COARSE (LIGHT) SOILS</u>		
Sand <sup>1/</sup> , Loamy Sand, Sandy Loam	0.5% or Above	1/3 to 1/2 <sup>2/</sup>

<sup>1/</sup> Not recommended for use on sand with less than 1% organic matter.

<sup>2/</sup> Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.

SENCOR in Combination with Other Herbicides

SENCOR SOLUPAK is recommended in a tank-mix combination with Treflan as a preplant incorporated application or as a preemergence overlay application following a preplant incorporated application of Treflan. SENCOR SOLUPAK is also recommended for use as a preemergence application in combination with Lasso, Dual, Surflan or Amiben.

**FOR USE IN COARSE (LIGHT) SOILS (Continued)**

**Broadcast Rates**

SOIL TEXTURE	ORGANIC MATTER	COMBINATION PRODUCT/ACRE	PLUS	SENCOR SOLUPAK LBS/ACRE	
COARSE (LIGHT) SOILS  Sand <sup>1/</sup> , Loamy Sand, Sandy Loam	0.5% or Above	<u>Preplant Incorporated</u>			
		Treflan 4EC	1 pt	1/3 to 1/2 <sup>2/</sup>	
		-or-			
		<u>Preemergence</u>			
		Lasso 4EC	1-1/2 to 2 qt		
		-or-			
		Dual 8EC	1-1/4 to 1-1/2 pt		1/3 to 1/2 <sup>2/</sup>
-or-					
Surflan A.S.	1/2 to 3/4 qt				
-or-					
Amiben 2	3/4 to 1 gal.				

<sup>1/</sup> Not recommended for use on sand with less than 1% organic matter.

<sup>2/</sup> Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.

**Special Precautions**

Do not use on sand soils with less than 1% organic matter, or on sandy loam or loamy sand soils with less than 0.5% organic matter.

For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the Treflan, Lasso, Dual, Surflan or Amiben labels.

**For Contact Action and Residual Control**

**For Control of Emerged Annual Broadleaf Weeds and Grasses and For Suppression of Emerged Perennials Where Soybeans Will Be Planted Directly Into a Pre-formed Bed, Cover Crop or in Previous Crop Residues as in "Minimum Till" or "No Till" Crop Production.**

**SENCOR plus GRAMOXONE**

**SENCOR plus Gramoxone Tank Mix Application** Apply 1 1/3 to 2 2/3 pints Gramoxone Super plus 1/2 to 1 1/3 pounds SENCOR SOLUPAK according to the recommendations for SENCOR on this label as a broadcast ground spray before, during or after planting but before emergence of the crop. Soybeans exposed at time of application will be killed. Use the higher rate of Gramoxone for heavier infestations or for taller weeds (4 to 6 inches tall). Apply in 20 to 60 gallons spray mix per acre. Use the higher volume in fields with heavy weed infestations or with large amounts of previous crop residues. Add Ortho X-77 Spreader or similar non-ionic spreader at 1 quart per 100 gallons of diluted spray. This mixture will not control weeds taller than 6 inches.

SENCOR plus LASSO and GRAMOXONE

SENCOR plus Lasso and Gramoxone Tank Mix Application Apply 1 1/3 to 2 2/3 pints of Gramoxone Super plus 2 to 2-1/2 quarts Lasso 4 E.C. plus 1/3 to 1 1/3 pounds SENCOR SOLUPAK as a preemergence broadcast ground spray. Use the higher rate of Gramoxone for weeds 4 to 6 inches tall. Soybeans exposed at time of application will be killed. Refer to the appropriate sections of this label and the Gramoxone and Lasso labels for rates which are dependent upon soil textures, directions, limitations and cautions.

Apply in 20 to 60 gallons spray mix per acre. Use the higher volume in fields with heavy weed infestations or with large amounts of previous crop residues. Add Ortho X-77® Spreader or similar non-ionic spreader at 8 fl. ounces per 100 gallons of diluted spray. Add SENCOR to the spray tank first and mix thoroughly. Then add Lasso followed by Gramoxone and X-77 Spreader. Constant agitation is recommended at all times. This tank mix will not control shattercane which emerges after treatment or other weeds taller than 6 inches.

SENCOR plus SURFLAN and GRAMOXONE

SENCOR plus Surflan and Gramoxone Tank Mix Application

The combination provides control of weeds and grasses which are emerged at the time of application plus many weeds and grasses which may germinate after planting. Soybeans exposed at time of application will be killed.

Weeds Controlled by Gramoxone: Gramoxone will kill emerged annual broadleaf weeds and grasses and provide top kill of perennials.

When to Apply: Apply the tank mix at planting or within 2 days after planting. Do not spray over top of emerged soybeans.

SENCOR plus Surflan and Gramoxone Preemergence Tank Mix Application

Broadcast Rates Per Acre

<u>Soil Texture:</u>	<u>SENCOR SOLUPAK</u>	<u>Surflan A.S.</u>	<u>Gramoxone Super</u>
Coarse <sup>1/</sup>	1/3 pound	3/4 quart	2 2/3 pints
Medium	1/2 pound	1 quart	2 2/3 pints
Fine	2/3 pound	1 1/2 quart	2 2/3 pints

<sup>1/</sup> Not recommended on sand soils with less than 1% organic matter.

Do not use on soils containing more than 5% organic matter.

Mixing: Refer to the "General Information" section in the front of this label.

Add Ortho X-77 or similar non-ionic spreader at 8 fl. ozs. per 100 gallons of diluted spray mixture.

APPLICATION: For specific application information refer to the "General Information" section in the front of this label.

One-half inch of rain or more or its equivalent in overhead irrigation is needed to activate the herbicide combination.

**Special Precautions (SENCOR plus Surflan and Gramoxone):** Poor weed control and/or crop injury may result if directions are not followed.

Do not use a rib-type press wheel on your no-till planter or crop injury may result.

For additional precautions, special precautions, restrictions, limitations and sprayer cleanup information, refer to the appropriate section of this label and the Surflan and Gramoxone labels.

SENCOR Plus 2,4-D Low Volatile Ester

SENCOR SOLUPAK alone or in combination with Dual, Lasso, Surflan or Prowl may be applied with 2,4-D low volatile ester as an early preplant surface application for the control of certain broadleaf weeds and grasses in soybeans in minimum or no-till production. Application is recommended 30 days prior to planting. Apply 1 pound active ingredient (ai) per acre of 2,4-D low volatile ester with labelled rates of SENCOR. Where a grass herbicide is used in the tank mix apply at the rates specified on that product's label.

Refer to this label and the 2,4-D low volatile ester, Dual, Lasso, Surflan and Prowl labels for weeds controlled, precautions, restrictions, limitations and sprayer clean-up information.

SOUTHERN AND SOUTHEASTERN STATES ONLY

POSTEMERGENCE DIRECTED SPRAY APPLICATIONS:

SENCOR SOLUPAK can be applied in postemergence directed sprays to soybeans for control of certain weeds which escape preplant or preemergence herbicide applications and for control of additional flushes of weeds that may occur after soybeans have emerged. Postemergence directed sprays of SENCOR SOLUPAK can be applied to soybeans in addition to a preemergence or preplant application of SENCOR herbicide according to label directions.

Weeds Controlled: SENCOR SOLUPAK, applied postemergence to soybeans as a directed spray according to directions on this label, will control the following at rates shown (broadcast basis) when grasses and common ragweed are less than 1 inch tall and other broadleaves are less than 3 inches tall:

<u>1/3 pound/acre</u>	<u>1/3 to 2/3 pound/acre</u>	<u>2/3 pound/acre</u>
Florida beggarweed ( <u>Desmodium tortuosum</u> )	Mexicanweed ( <u>Caperonia castaniifolia</u> )	Sesbania ( <u>Sesbania spp.</u> )
Pigweeds ( <u>Amaranthus spp.</u> )	Purslane ( <u>Portulaca oleracea</u> )	Prickly sida/Teaweed ( <u>Sida spinosa</u> )
Carpetweed ( <u>Mollugo verticillata</u> )	Sicklepod ( <u>Cassia obtusifolia</u> )	Ragweed, common ( <u>Ambrosia artemisiifolia</u> )
Cocklebur ( <u>Xanthium pensylvanicum</u> )	Velvetleaf ( <u>Abutilon theophrasti</u> )	
Dayflower ( <u>Commelina spp.</u> )	Crabgrass ( <u>Digitaria spp.</u> )	

At the rate of 2/3 pound/acre morningglory species, (Ipomoea spp.) horsenettle, (Solanum spp.) Florida pusley, (Richardia scabra) spotted spurge (Euphorbia maculata) and wild poinsettia (Euphorbia heterophylla) are suppressed when SENCOR SOLUPAK is applied before these weeds are 3 inches tall. The 2/3 pound/acre rate will suppress broadleaf signalgrass (Brachiaria platyphylla) up to 1 inch tall.

## SENCOR POSTEMERGENCE DIRECTED SPRAY APPLICATIONS

## RECOMMENDED APPLICATIONS

CROP	SENCOR SOLUPAK Pounds Per Acre	REMARKS
Soybeans (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee and Texas)	1/3 to 2/3 (broadcast basis)	<p>Apply proper dosage using 10 to 40 gallons of water per acre as a directed spray in a 6 to 8 inch band on each side of the row after soybeans are 8 inches tall and before broadleaf weeds are 3 inches tall and before grasses and common ragweed are 1 inch tall. For best results the spray must cover weed foliage with minimum or no contact with soybean foliage. Add a non-ionic surfactant such as Ortho X-77 to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct dosage of SENCOR SOLUPAK for a band application see "Banded Application" under the "General Information" section in the front of this label.</p> <p>If necessary, a second postemergence directed spray application can be made after 7 days.</p> <p>Do not feed or graze green soybean vines. Do not harvest soybeans or use dry soybean vines for feed or forage within 70 days of last application.</p>

SPECIAL PRECAUTIONS (Directed Postemergence):

Do not apply directly to soybeans or serious crop injury will occur. Do not allow spray to contact more than the lower 1/4 to 1/3 of soybean plants. Soybean leaves contacted by the spray will be killed.

Do not apply SENCOR SOLUPAK postemergence to sensitive soybean varieties. See "Special Precautions" in the front of this label.

To avoid injury to other crops or desirable plants from spray drift, sprayer pressure must not exceed 30 psi and the sprayer must be fitted with nozzles no smaller than 8002 T-Jet (or equivalent). Do not apply under weather conditions which favor drift.

POTATOES

SENCOR herbicide is recommended for use in ground or aircraft spray equipment as a preemergence and/or postemergence application to potatoes. Postemergence applications may be made only on russeted or white-skinned potato varieties that are not early maturing. For optimum control of weeds in potatoes apply SENCOR SOLUPAK before weeds are 1-inch tall. Refer to "Special Precautions" for potatoes for additional information.

Ground Application: SENCOR SOLUPAK is recommended for use with ground spray equipment, except air blast sprayers, as a preemergence and/or postemergence application for control of certain grass and broadleaf weeds in potatoes. Apply as a broadcast spray after planting and before crop emergence or after drag-off if this operation is part of the normal cultural practice. Postemergence applications should be applied after crop emergence.

Aerial Application: SENCOR SOLUPAK is recommended for use in aerial spray equipment as a preemergence and/or postemergence application for control of certain grass and broadleaf weeds in potatoes. Apply as a broadcast spray after planting and before crop emergence or after drag-off if this operation is part of the normal cultural practice. Postemergence applications should be applied after crop emergence.

PREEMERGENCE

Weeds Controlled: SENCOR SOLUPAK, applied preemergence to potatoes according to directions, will effectively control:

Broadleaves:

Carpetweed  
(Mollugo verticillata)  
Cocklebur  
(Xanthium pensylvanicum)  
Jimsonweed  
(Datura stramonium)  
Lambsquarters  
(Chenopodium album)  
Pigweeds  
(Amaranthus spp.)  
Ragweed, Common  
(Ambrosia artemisiifolia)  
Shepherdspurse  
(Capsella bursa-pastoris)  
Sicklepod  
(Cassia obtusifolia)  
Smartweed, Pennsylvania  
(Polygonum pensylvanicum)  
Wild Mustards  
(Brassica spp.)

Grasses:

Broadleaf Signalgrass  
(Brachiaria platyphylla)  
Crabgrass  
(Digitaria spp.)  
Foxtails  
(Setaria spp.)  
Johnsongrass, Seedling  
(Sorghum halepense)  
Panicum, Fall  
(Panicum dichotomiflorum)

For Control of Wild Mustard (Brassica spp.) in Potatoes (Except California) - Apply at the rate of 1/3 to 2/3 pound per acre as a preemergence broadcast spray using aerial or ground spray equipment in accordance with directions on this label. Application should be made at or near ground crack and/or before the mustard is one inch tall. For control of mustard larger than 2 inches in diameter or other weeds listed on the label, a minimum of 2/3 pound per acre must be used. When less than 2/3 pound per acre is used, a postemergence application in accordance with directions on this label may be required for control of other weeds or later germinating weed species.

**Hard To Control Weeds:** Although SENCOR SOLUPAK applied preemergence may not provide commercially acceptable control in every instance, it will suppress growth of the following weeds and reduce their competition with potato plants.

Broadleaves:

Common purslane  
 (Portulaca oleracea)

Grasses:

Barnyardgrass  
 (Echinochloa crus-galli)  
 Nutsedge  
 (Cyperus spp.)

POSTEMERGENCE

**Weeds Controlled:** SENCOR SOLUPAK, applied early postemergence to potatoes according to directions, will effectively control:

Broadleaves:

Cocklebur  
 (Xanthium pensylvanicum)  
 Lambsquarters  
 (Chenopodium album)  
 Pigweed, Redroot  
 (Amaranthus retroflexus)  
 Ragweed, Common  
 (Ambrosia artemisiifolia)  
 Russian thistle  
 (Salsola kali)  
 Smartweed, Pennsylvania  
 (Polygonum pensylvanicum)

Grasses:

Foxtails  
 (Setaria spp.)

On medium and fine soils in Idaho, Oregon and Washington, two postemergence applications, each at the rate of 2/3 pound per acre, will control barnyardgrass (Echinochloa crus-galli), kochia (Kochia scoparia), sunflower (Helianthus spp.), and Jim Hill mustard (Sisymbrium altissimum) in addition to weeds listed above.

**Hard To Control Weeds:** Although SENCOR SOLUPAK applied early postemergence may not provide commercially acceptable control in every instance, it will suppress growth of the following weeds and reduce their competition with potato plants.

Broadleaves:

Kochia  
 (Kochia scoparia)  
 Sunflower  
 (Helianthus spp.)

Grasses:

Barnyardgrass  
 (Echinochloa crus-galli)

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR SOLUPAK Pounds Per Acre	Remarks
Potatoes	2/3 to 1 1/3	<u>PREEMERGENCE:</u> Apply specified dosage per acre as a broadcast spray to the soil surface after planting and before crop emergence or after drag-off if this operation is part of normal cultural practice.* Distribute the chemical evenly over the area to be treated. Do not incorporate into soil. Use the lower rate on sandy soils.
Potatoes (russetted or white- skinned varieties that are not early maturing)	1/3 to 2/3	<u>POSTEMERGENCE:</u> Apply specified dosage per acre as a broadcast spray over the tops of potato plants.* Use rates of 1/3 to 2/3 lb. for control of redroot pigweed and lambsquarters only. Apply the 2/3 lb. rate for control of other weeds listed on this label. Do not apply within 60 days of harvest.
		<u>SPLIT APPLICATIONS:</u> This product may be applied once preemergence and once postemergence as directed above.* Do not apply postemergence within 60 days of harvest.
		<u>IDAHO, OREGON AND WASHINGTON ONLY:</u> Two postemergence applications can be made as broadcast sprays over the tops of potato plants if SENCOR SOLUPAK is not applied preemergence. Use 1/3 to 2/3 lb/acre for control of redroot pigweed and lambsquarters only. On coarse (sandy) soils with low organic matter do not exceed 1/2 pound/acre per application. On medium and heavy soils only, use 2/3 pound/acre for control of other weeds listed on this label. Make the first application early in the season while weeds are still small. Allow at least 14 days before the second application. For optimum control apply before weeds are 1 inch tall. Do not apply after June 30 if treated land is to be planted to crops other than potatoes. Do not apply within 60 days of harvest.

\*Refer to Special Precautions - Potatoes below.

**SPRINKLER IRRIGATION APPLICATION TO POTATOES:**

SENCOR SOLUPAK may be applied early postemergence to potatoes through center pivot, permanent solid set, or self-propelled lateral move irrigation systems as directed on this label. Refer to "Chemigation" section of this label for directions.

**RECOMMENDED BROADCAST APPLICATIONS**

CROP	Pounds/Acre SENCOR SOLUPAK	REMARKS
Potatoes (russetted or white- skinned varieties that are not early maturing)	1/3 to 2/3	<b>POSTEMERGENCE IN SPRINKLER IRRIGATION:</b> Apply specified dosage in 1/4 to 3/4 inch of water per acre as a continuous injection in center pivot and self-propelled wheel move systems or in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. On sandy soil apply in 1/4 to 1/2 inch of water. Use rates of 1/3 to 2/3 pound for control of redroot pigweed and lambsquarters only. Apply the 2/3 pound rate for control of other weeds listed on the label. Do not apply within 60 days of harvest.

Do not apply when wind speed favors drift, when system connections leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled or drained.

**SENCOR plus Dual Tank Mix Application (Except California)**

SENCOR SOLUPAK may be applied in a tank mix combination with Dual 8 E as a preemergence broadcast application to potatoes. Apply SENCOR SOLUPAK at 1/2 to 1 1/3 pounds and Dual 8 E at 1.5 to 3 pints per acre according to the respective labels for use of each product alone on potatoes. Refer to appropriate sections of this label and the Dual label for precautionary statements, restrictions, application information and weeds controlled.

**SENCOR plus Prowl Tank Mix Application (Except California)**

SENCOR SOLUPAK may be applied in a tank mix combination with Prowl as a preemergence broadcast application to potatoes. Apply SENCOR SOLUPAK at 2/3 to 1 1/3 pounds and Prowl at 1 to 3 pints per acre according to the respective labels for use of each product alone on potatoes. Refer to the appropriate sections of this label and the Prowl label for precautionary statements, restrictions, application information and weeds controlled.

**SPECIAL PRECAUTIONS (Potatoes)**

**Do Not Use SENCOR SOLUPAK on Potatoes in Kern County, California**

Do not apply more than 1 1/3 pounds total SENCOR SOLUPAK per acre in a single crop season regardless of the method of application. Do not apply within 24 hours of application of other pesticides. Do not apply postemergence within 3 days after periods of cool, wet or cloudy weather or crop injury may occur. Postemergence applications may cause some chlorosis or minor necrosis.

In addition to early maturing smooth-skinned white, or red-skinned varieties of potatoes, postemergence applications of SENCOR SOLUPAK are not recommended on Atlantic, Shepody, Chipbelle, Bellchip, and Centennial varieties. Preemergence applications to these varieties may cause crop injury, especially under adverse weather conditions and when higher SENCOR SOLUPAK rates are used.

Special Precautions (Potatoes) (Continued):

Do not apply to sweet potatoes or yams.

Do not plant sensitive crops such as onions, lettuce, cole crops and cucurbits during the next growing season following applications of SENCOR SOLUPAK or injury may occur.

ALFALFA AND SAINFOIN

SENCOR herbicide is recommended for use in alfalfa and sainfoin in the following areas:

1. Alfalfa and sainfoin (Including mixed stands with grasses) (all areas except California)
2. Alfalfa and sainfoin (Including mixed stands with grasses) (California only)
3. Alfalfa - Tank Mix Combination with Gramoxone (Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming, and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumes, Shasta, Sierra, and Siskiyou).
4. Alfalfa - Post Dormant Application of SENCOR Impregnated on Dry Fertilizer Only.
5. Alfalfa - Non-Dormant, Non-Winter Hardy varieties (Arizona only)

SENCOR SOLUPAK is recommended for use in aerial or ground spray equipment as a broadcast surface application to established crops of alfalfa and sainfoin for the control of certain grass and broadleaf weeds.

APPLICATION: Refer to "General Information" in the front of this label for detailed information on the application of SENCOR. For information on applying SENCOR SOLUPAK in fluid or on dry fertilizer refer to the "Application Of SENCOR SOLUPAK In Fluid Fertilizers" or "Commercial Impregnation And Application Of SENCOR SOLUPAK On Dry Bulk Fertilizer" under the "General Information" section in the front of this label.

SPECIAL PRECAUTIONS:

Do not apply SENCOR SOLUPAK after growth begins in the spring or before growth ceases in the fall.

Treat only dormant established alfalfa (except where specified on this label).

Do not graze or harvest within 28 days after application.

For best weed control, apply SENCOR SOLUPAK when weeds are less than 2 inches tall or before weeds foliage is 2 inches in diameter.

Reduced weed control may occur when extended dry conditions follow application of SENCOR SOLUPAK.

Crop injury may occur if alfalfa or sainfoin are:

1. Under stress conditions such as diseases, insect infestations, poorly drained soils, drought or winter injury when SENCOR SOLUPAK is applied, or
2. When SENCOR SOLUPAK is applied during the first growing season after seeding or if applied earlier than 12 months after seeding.

ALFALFA and SAINFOIN  
 (All Areas Except California)

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Alfalfa and Sainfoin (Except California)	1/3 to 1 1/3	<u>ALL AREAS:</u> Select the proper dosage according to weeds known to be present in field to be treated. Use the lower rate of SENCOR SOLUPAK on sandy loam or loamy sand soils in areas other than Idaho, Oregon, and Washington.
	1/3 to 1/2	<u>IDAHO, OREGON AND WASHINGTON ONLY:</u> On sandy loam or loamy sand soils apply SENCOR DF at rates of 1/3 to 1/2 pound per acre for control of chickweed only.

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES:

Rates of 2/3 to 1 pound of SENCOR SOLUPAK per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce forage grass stands.

SENCOR SOLUPAK should not be used on sand soils. In areas West of the Rocky Mountains, avoid using SENCOR SOLUPAK on soils with calcareous surface area, high levels of lime or sodium, or a pH greater than 8.2.

Weeds Controlled:

1/3 to 1/2 pound SENCOR SOLUPAK/acre  
 Chickweed, Common  
 (Stellaria media)

1/2 to 2/3 pound SENCOR SOLUPAK/acre  
 Cheat (Bromus secalinus)  
 Deadnettle, Purple (Lamium purpureum)  
 Downy brome (Bromus tectorum)  
 Japanese brome (Bromus japonicus)  
 Pennycress (Thlaspi arvense)  
 Rescuegrass (Bromus catharticus)  
 Shepherdspurse (Capsella bursa - pastoris)

ALFALFA AND SAINFOIN (Continued)

2/3 to 1 1/3 pounds SENCOR SOLUPAK/acre

Broadleaves

Fleabane, Rough  
(Erigeron strigosus)  
Flixweed  
(Descurainia sophia)  
Henbit  
(Lamium amplexicaule)  
Kochia  
(Kochia scoparia)  
Lambsquarters, Common  
(Chenopodium album)  
Marestail (Horseweed)  
(Hippuris vulgaris)  
Meadow Salsify  
(Tragopogon pratensis)  
Mustard, Blue  
(Chorispora tenella)  
Mustard, Jim Hill (tumble)  
(Sisymbrium altissimum)  
Mustard, Tansy  
(Descurainia pinnata)  
Pepperweed  
(Lepidium virginicum)

Pigweed, Redroot  
(Amaranthus retroflexus)  
Prickly Lettuce  
(Lactuca serriola)  
White Cockle  
(Melandrium album)  
Wild Buckwheat  
(Polygonum convolvulus)  
Yellow Rocket  
(Barbarea vulgaris)

Grasses

Foxtail, Green  
(Setaria viridis)  
Little Barley  
(Hordeum pusillum)  
Smooth Brome  
(Bromus inermis)  
Wild Oats  
(Avena fatua)

1 1/3 pounds SENCOR SOLUPAK/Acre

Broadleaves

Chickweed, Mousear  
(Cerastium vulgatum)  
Dandelion  
(Taraxacum officinale)  
Ragweed, Common  
(Ambrosia artemisiifolia)

Grasses

Barnyardgrass  
(Echinochloa crus-galli)  
Bluegrass  
(Poa annua)  
Foxtail Barley  
(Hordeum jubatum)

Weeds Partially Controlled: At the rate of 1 1/3 pounds/acre SENCOR SOLUPAK may be used to reduce the competition from curly dock (Rumex crispus). At 2/3 to 1 1/3 pounds/acre, SENCOR SOLUPAK may be used to reduce the competition of German Moss or knawel (Scleanthus annus).

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ALFALFA AND SAINFOIN (California Only)  
 (Including Mixed Stands With Grasses)

SENCOR SOLUPAK is recommended for use in aerial or ground spray equipment as a broadcast surface application to dormant established crops of alfalfa and sainfoin.

**APPLICATION:** SENCOR SOLUPAK is recommended for use in aerial or ground spray equipment as a broadcast surface application to dormant established crops of alfalfa and sainfoin for control of certain grass and broadleaf weeds. Do not apply SENCOR SOLUPAK after growth begins in the spring or before growth ceases in the fall. Do not apply to either alfalfa or sainfoin during the first growing season after seeding.

For information on applying SENCOR SOLUPAK in fluid fertilizer solutions to alfalfa, refer to the appropriate section of this label.

For information on Commercial impregnation and application of SENCOR SOLUPAK on dry bulk fertilizer, refer to the appropriate section of this label.

WEEDS CONTROLLED:

1/2 to 2/3 pound SENCOR SOLUPAK/acre  
 Cheatgrass (downy brome)

2/3 to 1 1/3 pounds SENCOR SOLUPAK/acre

Broadleaves

- Chickweed, Common  
 (Stellaria media)
- Flixweed  
 (Descurainia sophia)
- Henbit  
 (Lamium amplexicaule)
- Kochia  
 (Kochia scoparia)
- Meadow Salsify  
 (Tragopogon pratensis)
- Mustard, Blue  
 (Chlorispora tenella)
- Mustard, Tansy  
 (Descurainia pinnata)
- Pepperweed, Virginia  
 (Lepidium virginicum)
- Shepherdspurse  
 (Capsella bursa-pastoris)
- White Cockle  
 (Melandrium album)
- Wild Buckwheat  
 (Polygonum convolvulus)
- Yellow Rocket  
 (Barbarea vulgaris)

Grasses

- Smooth Brome  
 (Bromus inermis)
- Wild Oats  
 (Avena fatua)

1 1/3 pounds SENCOR SOLUPAK/Acre

Broadleaves

- Dandelion  
 (Taraxacum officinale)

Grasses

- Barnyardgrass  
 (Echinochloa crus-galli)
- Bluegrass  
 (Poa annua)
- Foxtail Barley  
 (Hordeum jubatum)

**RECOMMENDED BROADCAST APPLICATION**

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Alfalfa and Sainfoin (California only)	1/2 to 1 1/3	<p>Select the proper dosage according to weeds known to be present in the field to be treated. Apply specified dosage in 20 to 40 gallons of water per acre with ground spray equipment or 3 to 10 gallons of water per acre with aerial spray equipment fitted with nozzles suitable for broadcast applications of herbicides. Treat only dormant established crops of alfalfa and sainfoin. Injury may occur to alfalfa if SENCOR SOLUPAK is applied earlier than 12 months after seeding. Do not apply after Spring growth begins or before growth ceases in in the Fall. Do not graze or harvest within 28 days after application.</p> <p>At the 1 1/3 pound/acre rate, SENCOR SOLUPAK may be used for suppression of curly dock.</p>

**FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES:** Rates of 2/3 to 1-1/3 pounds of SENCOR SOLUPAK per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce forage grass stands.

Do not apply with aerial spray equipment when wind speed is greater than 10 mph. Do not apply when weather conditions favor spray drift and/or when sensitive cool season crops, such as cole crops, onions, peas, or strawberries, are present in adjacent fields. Applications should not be made when weather conditions favor spray drift, especially in areas where wheat is growing on coarse textured soils in adjacent fields, or injury may occur.

**ALFALFA**

SENCOR plus Gramoxone Tank Mix  
 Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming  
 and the following California counties:  
 Del Norte, Lassen, Modoc, Nevada, Plumes, Shasta, Sierra, and Siskiyou.

**APPLICATION:** SENCOR SOLUPAK plus Gramoxone tank mix application is recommended for use, during the dormant season, in aerial or ground spray equipment as a broadcast surface application to established (at least 1 year old) alfalfa for the control of certain grass and broadleaf weeds. Do not apply SENCOR/Gramoxone tank mix to regrowth (after grazing or cutting) that is more than 2 inches tall. Apply once per season. Do not apply following cuttings during growing season. Use a minimum of 10 gallons of water per acre with aerial spray equipment and a minimum of 20 gallons of water per acre with ground spray equipment. Add Ortho X-77 Spreader (non-ionic) at 1 to 2 pints per 100 gallons of spray solution.

**WEEDS CONTROLLED:** SENCOR SOLUPAK (1/2 to 1 pound/acre) plus Gramoxone Super (2 to 2-2/3 pints/acre) tank mix application will control established weeds. Gramoxone controls weeds by contact activity.

- |             |                |
|-------------|----------------|
| Bluegrass   | Chickweed      |
| Henbit      | Downy brome    |
| Cheat       | Japanese brome |
| Rescuegrass | Shepherdspurse |

1/3 to 1/2 pound of SENCOR per acre may be used for common chickweed only on sandy soils.

6-2-59  
**SENCOR SOLUPAK Herbicide**

Use SENCOR SOLUPAK at 2/3 to 1 pound/acre for control of the following weeds:

Ryegrass  
 Sow thistle  
 Groundsel  
 Smooth brome  
 Wild oats  
 Blue mustard  
 Tansy mustard  
 Flixweed

Kochia  
 Meadow salsify  
 Pepperweed  
 Jim Hill mustard  
 Green foxtail  
 Yellow rocket  
 White cockle  
 Wild buckwheat

Prickly lettuce  
 Little barley  
 Redroot pigweed  
 Common lambsquarters  
 Maretail (Horseweed)  
 Field pennycress  
 Rough fleabane

**RECOMMENDED APPLICATIONS**

DOSAGE/Acre	REMARKS
SENCOR SOLUPAK 1/3 to 1 pound  plus  Gramoxone Super 2 to 2-2/3 pints	Apply specified dosages of SENCOR and Gramoxone in at least 10 gallons of water per acre with aerial equipment or at least 20 gallons of water per acre with ground equipment. Do not apply this tank mix to alfalfa regrowth (after grazing or cutting) if more than 2 inches tall. For best weed control, apply when broadleaf weeds and grasses are 1-6 inches tall and are actively growing. Care should be taken to avoid overlaps. Use lower rates of SENCOR on sandy loam or loamy sand soils. Reduced weed control may occur when extended dry conditions follow application of SENCOR. Crop injury may occur if alfalfa is under stress conditions such as diseases, insect infestations, drought or winter injury or if SENCOR is applied to alfalfa earlier than 12 months after seeding.

**FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES:** Rates of 2/3 to 1 pound of SENCOR SOLUPAK per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa.

Do not graze or harvest within 42 days after application.

In areas west of the Rockies, avoid the use of SENCOR on soils with calcareous surface, soils with high levels of lime or sodium, and with a pH greater than 8.2.

Do not apply when weather conditions favor spray drift. Aerial application should not be made when wind speed is greater than 10 mph.

Do not use on sand soil.

Refer to the Gramoxone label for additional directions, weed species controlled and precautions.

**Post Dormant Application of SENCOR Impregnated on Dry Fertilizer Only -**

SENCOR SOLUPAK may be applied after dormancy has broken, but prior to three inches of new alfalfa shoot growth, only when impregnated on dry fertilizer in Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas and Wisconsin. Apply at rates of 1 to 1 1/3 pounds per acre as directed on this label for application during dormancy. Apply only when alfalfa foliage is dry or crop injury may occur. When using this application method, do not harvest or graze treated alfalfa for 60 days after application.

**ALFALFA**  
 Non-Dormant, Non-Winter Hardy Varieties  
 (Arizona Only)

SENCOR SOLUPAK is recommended as a broadcast surface application to established crops of non-dormant alfalfa varieties for preemergence and postemergence control of certain winter annual weeds following either a fall or winter sheep grazing/green-chop harvest.

**WEEDS CONTROLLED**

Mouse barley	Silversheath knotweed	Lambsquarters
Nettleleaf goosefoot	London rocket (mustard)	Little mallow (cheeseweed) (Malva)
Prickly lettuce	Shepherdspurse	Spiny sowthistle
Field pepperweed	Littleseed canarygrass	

CROP	SENCOR SOLUPAK	REMARKS
Alfalfa Non-Dormant, Non-Winter Hardy Varieties	1/2 to 2/3	Apply specified dosage by aerial or ground spray equipment in 7 to 40 gallons of water per acre. Treat established alfalfa stubble after fall or winter sheep grazing or green-chop harvest and prior to the time regrowth is 2" tall. Alfalfa foliage present at time of application can exhibit yellowing. Injury may occur to alfalfa in areas of high salt concentration where the crop is stunted and/or has a poorly developed root system, or if alfalfa is under stressed growing conditions such as diseases, insect infestations, or drought. For most effective post-emergence weed control, treatment should be made before weeds are 2" tall or before leaf rosettes are 2" wide. For maximum control, rainfall (1/4" or more) or irrigation is necessary within 30 days of treatment, however, do not flood irrigate within 2 days after treatment. Use 1/2 pound SENCOR on sand soil when only mustard, goosefoot, lambsquarters, or canary grass are the weeds to be controlled. Do not apply earlier than 6 months after seeding. Do not graze or harvest within 28 days after application.

**Special Precautions:**

Maintain continuous mechanical agitation in the spray tank to insure a uniform spray mixture.

Do not apply with aerial spray equipment when wind speed is greater than 10 mph. Do not apply when weather conditions favor spray drift and/or when sensitive cool season crops, such as cole crops, onions, peas or strawberries, are present in adjacent fields. Applications should not be made when weather conditions favor drift especially in areas where wheat is growing on coarse textured soils in adjacent fields, or injury may occur.

ASPARAGUS (Established)

SENCOR SOLUPAK is recommended for use in aerial or ground spray equipment or sprinkler irrigation (center pivot, lateral move, or solid set) systems as a single preemergence broadcast application or as a split application consisting of a preemergence broadcast application followed by a post harvest broadcast application.

Refer to the "General Information" section of this label for directions.

Weeds Controlled: SENCOR SOLUPAK, applied to established asparagus according to directions, will effectively control:

Broadleaves:

Chickweed, Common  
(Stellaria media)  
Jimsonweed  
(Datura stramonium)  
Lambsquarters  
(Chenopodium album)  
Pigweed, Redroot  
(Amaranthus retroflexus)  
Ragweed, Common  
(Ambrosia artemisiifolia)  
Smartweed, Pennsylvania  
(Polygonum pennsylvanicum)  
Sorrel, Red  
(Rumex acetosella)  
Velvetleaf  
(Abutilon theophrasti)

Grasses:

Crabgrass  
(Digitaria spp.)  
Foxtails  
(Setaria spp.)  
Sandbur, Field  
(Cenchrus pauciflorus)

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Asparagus	1 1/3 to 2 2/3	<p><u>PREEMERGENCE APPLICATION ONLY:</u>                      Make a single surface application in early Spring before asparagus spears or ferns emerge. If the field is to be disked, apply SENCOR SOLUPAK after disking but before the crop emerges. Use the lower rate for control of the broadleaf weeds listed above. Use the higher rate in fields with a history of severe infestations of grasses and for maximum residual control. Do not apply within 14 days of harvest.</p>
	2/3 to 1 1/3 preemergence plus 1 1/3 to 2 post harvest	<p><u>SPLIT APPLICATION PREEMERGENCE AND POST HARVEST</u></p> <p><u>Preemergence Application:</u> Apply before asparagus spears or ferns emerge. If the field is to be disked, apply after disking but prior to crop emergence. Do not apply within 14 days of harvest.</p> <p><u>Post Harvest Application:</u>                      Apply after last harvest of the season but prior to emergence.</p> <p>The lower combination rates may be used for control of common ragweed, lambsquarters, redroot pigweed, and red sorrel. Use the higher combination rates for other weeds listed or in fields with severe grass infestations or for maximum post harvest control of emerged weeds.</p>

**IMPORTANT:** The total amount of SENCOR SOLUPAK applied in one crop season may not exceed 2 2/3 pounds per acre.

SPECIAL PRECAUTIONS (Asparagus)

Do not use on newly seeded asparagus nor on young plants during the first growing season after setting crowns.

**DO NOT APPLY POST HARVEST APPLICATIONS UNTIL AFTER THE LAST HARVEST OF SPEARS.**

## CARROTS

Special Conditions of Sale Provision for Use on Carrots: The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such the testing was done independently from the testing program of Mobay Corporation. Buyer is advised that Mobay makes no assurances regarding satisfaction with the product and all risks of crop injury or product performance are assumed by the Buyer.

Apply SENCOR herbicide with ground equipment as specified below under "Recommended Applications". For effective control of broadleaf weeds with postemergence applications, apply SENCOR before weeds are 1 inch in height or diameter. Thorough spray coverage is essential for adequate weed control.

Do not use air blast or other high pressure spray equipment to make postemergence applications of SENCOR. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and cautions.

Refer to "Mixing" under the "General Information" section on the front of this label.

For specific application information see "General Information" and "Application" sections at the front of this label.

Weeds controlled: SENCOR SOLUPAK applied to carrots according to directions will effectively control:

Carpetweed  
(Mullugo verticillata)  
Galinsoga  
(Galinsoga parviflora)  
Horseweed  
(Conyza canadensis)  
Lambsquarters, Common  
(Chenopodium album)  
Mustard, Wild  
(Sinapis arvensis)

Pigweed, Redroot  
(Amaranthus retroflexus)  
Pigweed, Smooth  
(Amaranthus hybridus)  
Prickly Lettuce  
(Lactuca serriola)  
Shepherdspurse  
(Capsella bursa-pastoris)  
Pineappleweed  
(Matricaria matricarioides)

**RECOMMENDED APPLICATIONS**

CROP	SENCOR SOLUPAK POUND PER ACRE	REMARKS
Carrots	1/3	Apply specified dosage per acre as a broadcast spray over the tops of carrot plants. Application should be made after carrots have formed 5-6 true leaves but before weeds are 1 inch in height or diameter. If needed, a second application may be made after an interval of at least 3 weeks. Applications may be made up to 60 days of harvest.

**IMPORTANT:** The total amount of SENCOR SOLUPAK applied in one crop season must not exceed 2/3 pound per acre.

**Special Precautions:**

Do not apply to carrots grown for seed.

Do not apply within 3 days after periods of cool, wet or cloudy weather or crop injury will occur.

Do not apply SENCOR within 3 days of any other chemical unless specified on this label.

Do not apply on very hot days or excessive crop injury will result.

Do not apply until carrots have at least 5-6 true leaves. Earlier applications will result in excessive crop damage.

Crop injury or delayed maturity may result from applications of SENCOR if carrots are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.

Following an application of SENCOR SOLUPAK, chlorosis (yellowing) and burning of the leaf tissue may occur.

For newly introduced varieties of carrots with unknown tolerance to SENCOR, treat only a small area to determine if SENCOR can be used without injury to the crop.

FIELD CORN

(IOWA, KANSAS, MISSOURI, NEBRASKA, AND SOUTH DAKOTA ONLY)

SENCOR SOLUPAK is recommended for the added effect on the control of certain broadleaf weeds in corn when applied preemergence in a tank mix combination with labeled rates of Lasso plus atrazine, Lasso plus Bladex®, Dual plus atrazine, or Dual plus Bladex. Refer to the appropriate product labels for weeds controlled by these combinations.

SENCOR SOLUPAK in each of the tank mix combinations will control the following weeds:

Lambsquarters  
(Chenopodium album)  
Pigweed, Redroot (carelessweed)  
(Amaranthus retroflexus)  
Smartweed, Pennsylvania  
(Polygonum pensylvanicum)  
Velvetleaf  
(Abutilon theophrasti)

**MIXING:** Select proper dosages based on soil type as shown below. Fill the spray tank 1/4 to 1/3 full with clean water and add SENCOR SOLUPAK to the spray tank first. Mix thoroughly and then add atrazine or Bladex to the spray tank. Add water to fill spray tank to desired level. Mix thoroughly and then add Lasso or Dual to the spray tank. Maintain sufficient agitation during mixing and spraying operations to insure a uniform spray mixture.

**APPLICATION:** For specific application information see the "General Information" section in the front of this label.

## RECOMMENDED BROADCAST APPLICATIONS

## RATES PER ACRE:

SOIL TEXTURE	SENCOR SOLUPAK	Lasso 4 E.C.	or	Dual 8 E.C.	Atrazine 4L or 80 WP	or	Bladex 4L or 80 WP
<b>MEDIUM</b> (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/3 lb.	1.5 to 2.0 qts.		1.5 to 2.0 pts.	0.75 to 1.5 qts. of 4L or 0.95 to 1.9 lbs. of 80 WP		1.25 to 2.5 qts. of 4L or 1.5 to 3.1 lbs. of 80 WP
<b>FINE</b> (Silty clay, silty clay loam <sup>1/</sup> , clay, clay loam)	1/3 lb.	2.0 to 2.5 qts.		2.0 to 2.5 pts.	0.75 to 1.5 qts. of 4L or 0.95 to 1.9 lbs. of 80 WP		1.5 to 3.0 qts. of 4L or 1.75 to 3.75 lbs. of 80 WP

<sup>1/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Follow the Lasso, Dual, Bladex, or atrazine labels for use rates on specific soil textures and organic matter content. Not recommended for use on muck soils as reduced weed control may result.

SPECIAL PRECAUTIONS: (Field Corn)

Not for use on coarse textured soils or soils containing less than 2% organic matter content.

Do not use on soils having a calcareous surface or high in lime or sodium and/or a pH of 7.0 or higher.

Corn seed should be planted 1-1/2 inches deep.

Use in hybrid seed corn production fields only if both parents are known to be tolerant to SENCOR SOLUPAK and other herbicides used.

Observe all cautions and limitations on labeling of all products used in mixtures.

Garbanzo Beans (Chickpeas)  
Idaho, Oregon and Washington Only

Special Conditions of Sale for Use on Garbanzo Beans (Chickpeas):

The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such the testing was done independently from the testing program of Mobay Corporation. Buyer is advised that Mobay makes no assurances regarding satisfaction with the product and that all risks of crop injury or product performance are assumed by the Buyer.

SENCOR herbicide is recommended as a preemergence application for the suppression of certain broadleaf weeds in garbanzo beans.

WEEDS SUPPRESSED:\*

Common Chickweed  
Dog Fennel (Mayweed)  
Field Pennycress  
Henbit

Common Lambsquarters  
Shepherdspurse  
Wild Mustard  
Pigweed

\*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field. SENCOR used alone will not control triazine resistant weed species.

**RECOMMENDED APPLICATIONS**

CROP	SENCOR SOLUPAK POUND PER ACRE	REMARKS
Garbanzo beans	1/3 to 1/2	<p>Apply specified dosage in a single preemergence application using 10 to 40 gallons of water per acre with ground spray equipment. Apply before or after planting but before crop emergence. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate SENCOR into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression.</p> <p>Use the higher rate on fine textured soils (high in clay or organic matter) and in fields with a history of high weed populations.</p>

**SPECIAL PRECAUTIONS:**

Crop injury may result if crop is under stress conditions caused by cold weather, poor soil fertility, disease or insect damage.

Crop injury may result if application is followed by heavy rain. Avoid application of more than 1/2 inch of irrigation within one month after application of SENCOR, or crop injury may occur.

Do not use on coarse-textured soils, sandy soils or any soil with less than 1.5% organic matter. Do not use on clay knobs or poorly covered subsoils.

Do not apply preemergence on shallow seedings less than 2 inches deep.

Do not graze or feed treated vines to livestock within 40 days after application.

Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping of spray swaths and shut off spray booms while turning, slowing or stopping, or crop injury will occur.

**NOTE:** This treatment may cause some chlorosis or minor necrosis. Because garbanzo bean varieties may vary in their susceptibility to SENCOR, determine crop tolerance prior to adoption as a field scale practice to prevent possible injury.

**LENTILS AND DRY FIELD PEAS**  
(Idaho, East of the Cascades in Oregon & Washington, and Montana)

SENCOR herbicide is recommended as a preemergence and postemergence application for the suppression of certain broadleaf weeds in lentils and dry field peas.

WEEDS SUPPRESSED\*

Common Chickweed\*\*  
Dog Fennel  
Field Pennycress  
Henbit\*\*

Lambsquarters  
Shepherdspurse\*\*  
Wild Mustard

\*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

\*\*Preemergence application only.

PREEMERGENCE APPLICATION:

A single preemergence application at 1/3 to 1/2 lbs. of SENCOR SOLUPAK per acre in 20 to 40 gallons of water per acre with ground spray equipment may be made per crop year. Apply SENCOR SOLUPAK before or after planting, BUT BEFORE CROP GERMINATES. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate SENCOR SOLUPAK into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression.

Use the higher rate on fine-textured soils (high in clay or organic matter) and in fields with a history of high weed populations.

POSTEMERGENCE APPLICATION:

Use 1/6 to 1/4 lb. of SENCOR SOLUPAK per acre on lentils and spring peas. On winter peas, use 1/4 to 1/3 lb. of SENCOR SOLUPAK per acre. For suppression of dog fennel, use 1/3 lb. SENCOR SOLUPAK per acre. Apply specified dosage in 20 to 40 gallons of water per acre and not over 40 psi with ground spray equipment as a broadcast spray when weeds are small (less than 2" in height or diameter) and before crop is 6 inches tall.

One postemergence application may be made per season.

Temporary chlorosis of crop may occur. There is an added risk of crop injury if a postemergence application is made following a previous metribuzin application.

Do not apply over very moist soils or wet crop foliage. Do not apply postemergence applications within 3 days after periods of cool, wet, or cloudy weather or crop injury may occur.

Do not apply within 24 hours of treatment with other pesticides.

SPECIAL PRECAUTIONS (all applications):

Crop injury may result if crop is under stress conditions caused by cold weather, low fertility, disease or insect damage.

Crop injury may also result if application is followed by heavy rain.

Do not use on coarse-textured soils, sandy soils or any soil with less than 1.5% organic matter.

Do not apply to "Estin" lentils.

Do not use on clay knobs or poorly covered subsoils.

Do not apply on shallow seedings less than 2" deep (preemergence only).

Do not apply within 50 days of harvest of peas, or within 75 days of harvest of lentils. Do not graze or feed treated vines to livestock within 40 days after application.

Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping and shut off spray booms while turning, slowing or stopping, or crop injury will occur.

NOTE: This treatment may cause some chlorosis or minor necrosis. Because lentil and pea varieties may vary in their susceptibility to SENCOR SOLUPAK, determining crop tolerance prior to adoption as a field scale practice is suggested to prevent possible injury.

For additional precautions, restrictions, limitations, and sprayer clean-up information refer to the appropriate sections of this label.

LENTILS  
(North Dakota Only)

SENCOR herbicide is recommended as a preemergence and postemergence application for the suppression of certain broadleaf weeds in lentils.

WEEDS SUPPRESSED\*

Common Chickweed\*\*  
Dog Fennel\*\*  
Field Pennycress  
Henbit\*\*

Lambsquarters  
Shepherdspurse\*\*  
Wild Mustard

\*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

\*\*Preemergence application only.

PREEMERGENCE APPLICATION:

A single preemergence application at 1/3 to 1/2 lbs. of SENCOR SOLUPAK per acre in 20 to 40 gallons of water per acre with ground spray equipment may be made per crop year. Apply SENCOR SOLUPAK before or after planting, BUT BEFORE CROP GERMINATES. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate SENCOR SOLUPAK into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression.

Use the higher rate on fine-textured soils (high in clay or organic matter) and in fields with a history of high weed populations.

**POSTEMERGENCE APPLICATION:**

Apply 1/6 to 1/4 lb. of SENCOR SOLUPAK in 20 to 40 gallons of water per acre and not over 40 psi with ground spray equipment as a broadcast spray when weeds are small (less than 2 inches in height or diameter) and before crop is 6 inches tall.

One postemergence application may be made per season.

Temporary chlorosis of crop may occur. There is an added risk of crop injury if a postemergence application is made following a previous metribuzin application.

Do not apply over very moist soils or wet crop foliage. Do not apply postemergence within 3 days after periods of cool, wet, or cloudy weather or crop injury may occur.

Do not apply within 24 hours of treatment with other pesticides.

**SPECIAL PRECAUTIONS (all applications):**

Crop injury may result if crop is under stress conditions caused by cold weather, low fertility, disease or insect damage.

Crop injury may also result if application is followed by heavy rain.

Do not use on coarse-textured soils, sandy soils, or any soil with less than 1.5% organic matter.

Do not apply to "Estin" lentils.

Do not use on clay knobs or poorly covered subsoils.

Do not apply on shallow seedings less than 2" deep (preemergence only).

Do not apply within 75 days of harvest. Do not graze or feed treated vines to livestock within 40 days after application.

Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping and shut off spray booms while turning, slowing or stopping, or crop injury will occur.

**NOTE:** This treatment may cause some chlorosis or minor necrosis. Because lentil varieties may vary in their susceptibility to SENCOR SOLUPAK, determining crop tolerance prior to adoption as a field scale practice is suggested to prevent possible injury.

For additional precautions, restrictions, limitations, and sprayer clean-up information refer to the appropriate sections of this label.

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SUGARCANE (Hawaii Only)

SENCOR, a selective herbicide, is effective as a preemergence and an early postemergence broadcast application for control of certain grass and broadleaf weeds. When applied as a spot treatment, it also provides excellent control of perennial grasses and broadleaves.

Ground Application: SENCOR SOLUPAK should be mixed by filling the spray tank half full of clean water. Then add the recommended amount of SENCOR SOLUPAK to suit the total tank capacity and the rate of application per acre (preferably 25 to 35 gallons per acre). Complete filling the tank and maintain sufficient agitation during mixing and spraying to insure a uniform spray mixture.

Aerial Application: SENCOR SOLUPAK is recommended for use in aerial spray equipment as a preemergence or postemergence application to irrigated sugarcane. Aerial spray equipment should be calibrated to apply the proper amount of SENCOR SOLUPAK in 7 to 10 gallons of spray mixture per acre.

SENCOR SOLUPAK applied preemergence or postemergence to the sugarcane as a broadcast spray or spot treatment will effectively control the following when weeds are less than 3 inches in height.

Weeds Controlled in Irrigated and Non-irrigated Sugarcane:

Broadleaves

- Amaranth, Spiny  
(Amaranthus spinosus)
- Euphorbia, Wild  
(Euphorbia spp.)
- Fireweed  
(Erechtites hieracifolius)
- Floras paintbrush  
(Emilia sonochifolia)
- Spurge, Garden  
(Euphorbia hirta)
- Spurge, Graceful  
(Euphorbia glomerifera)

Grasses

- Crabgrass  
(Digitaria spp.)
- Guineagrass  
(Panicum maximum)
- Plushgrass  
(Chloris radiata)
- Ricegrass  
(Oryzopsis hymenoides)
- Wiregrass  
(Eleusine indica)

Weeds Controlled in Irrigated Sugarcane Only:

Broadleaves

- Amaranth, Spleen  
(Amaranthus dubius)
- Haole Koa  
(Leucaena leucocephala)
- Hialoa  
(Waltheria americana)
- Hilahila  
(Mimosa pudica)
- Purslane, Common  
(Portulaca oleracea)
- Rattlepod  
(Crotalaria spectabilis)

Grasses

- Alexandergrass  
(Brachiaria plantaginea)
- Bristly foxtail  
(Setaria verticillata)

Weeds Controlled in Non-irrigated Sugarcane Only:

Broadleaves

- Ageratum  
(Ageratum conyzoides)
- Richardia  
(Richardia brasiliensis)
- Tarweed  
(Cuphea carthagenesis)

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Sugarcane (Hawaii only)	2 2/3 to 5 1/3 (non-irrigated)	<p>PREEMERGENCE: (Irrigated and non-irrigated sugarcane) Apply specified dosage per acre as a broadcast spray to the soil surface. Applications should be made within two weeks after planting prior to cane emergence or shortly after emergence (spike stage).</p> <p style="text-align: center;">OR</p> <p>EARLY POSTEMERGENCE: (Irrigated and non-irrigated sugarcane) Apply specified dosage per acre as a broadcast spray over the cane. Application may be delayed as long as 4 to 6 weeks after planting provided weeds are less than 3 inches in height.</p>
	5 1/3 to 8 (irrigated)	
	2 2/3 to 5 1/3	<p style="text-align: center;">OR</p> <p>POSTEMERGENCE: Apply specified dosage per acre as a broadcast spray to control weeds prior to "close in" time when cane shades out the weed growth.</p>
	3 1/3 to 6 2/3	<p>SPOT TREATMENT: Apply specified dosage in 30 to 50 gallons of finished spray per acre. Spot treatments may be used to control weeds in missed areas, corners of fields, or areas of hard to control weeds.</p>

**NOTE:** Do not apply more than 10 2/3 pounds of SENCOR SOLUPAK (8 lb. active ingredient)/acre per crop cycle regardless of the method of application. The last application may be made up to 17 months of harvest.

**SPECIAL PRECAUTION:** Do not use treated foliage for feed or forage.

SUGARCANE (Louisiana and Texas Only)

Preemergence and postemergence applications of SENCOR SOLUPAK with aerial or ground spray equipment are recommended for control of the following weeds in sugarcane in Louisiana and Texas:

Broadleaves

Amaranth, Spiny  
(Amaranthus spinosus)  
Bindweed, Field  
(Convolvulus arvensis)  
Chickweed  
(Cerastium vulgatum)  
Henbit  
(Lamium amplexicaule)  
Lambsquarters  
(Chenopodium album)  
London rocket  
(Sisymbrium irio)  
Marestail  
(Conyza canadensis)  
Mustard, Wild  
(Brassica kaber)  
Pigweeds  
(Amaranthus spp.)  
Purslane  
(Portulaca oleracea)  
Sowthistle  
(Sonchus spp.)

Grasses

Broadleaf Signalgrass  
(Brachiaria platyphylla)  
Crabgrass  
(Digitaria spp.)  
Foxtails  
(Setaria spp.)  
Johnsongrass, Seedling  
(Sorghum halepense)  
Oats, Winter  
(Avena spp.)

**RECOMMENDED APPLICATIONS**

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Sugarcane (Louisiana and Texas only)	2 to 4	<b>BROADCAST:</b> Apply specified dosage per acre using 20 to 30 gallons of water with ground equipment or 5 gallons of water with aircraft spray equipment. Apply as a broadcast spray during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.
	1 to 2	<b>BAND:</b> Apply specified dosage in 10 to 20 gallons of water per acre in a 30 to 36 inch band over the row during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.

**SPECIAL PRECAUTIONS: (Louisiana and Texas only)**

Do not use treated foliage for feed or forage.

Use the higher rate on heavy clay soil and soil with a high percentage of organic matter. If necessary, a third application may be made in late Spring at layby. Do not apply within 60 days of harvest.

**SUGARCANE (Florida Only)**

Postemergence over-the-top or directed spray applications of SENCOR SOLUPAK are recommended for the control of the following weeds in sugarcane in Florida.

**Broadleaves**

Amaranth, Spiny (seedling)  
 (Amaranthus spinosus)  
 Butterweed  
 (Cressleaf groundsel)  
 (Senecio glabellus)  
 Cudweed  
 (Gnaphalium spp.)  
 Purslane  
 (Portulaca oleracea)

**Grasses**

\*Crabgrass, large  
 (Digitaria sanguinalis)  
 Foxtail, bristlegass  
 (Setaria magna)  
 Goosegrass  
 (Eleusine indica)  
 Panicum, broadleaf  
 (Panicum adpersum)  
 Signalgrass, Broadleaf  
 (Brachiaria platyphylla)

\*Best control is achieved when applications are made when this weed is less than 4" in diameter.

**RECOMMENDED BROADCAST APPLICATIONS**

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Sugarcane	1 1/3 to 2 2/3	<p><b>GROUND APPLICATION:</b> SENCOR SOLUPAK may be used in one or two applications with a minimum of 14 days between each application. Apply when weeds are less than 6 inches tall in 10 to 40 gallons of spray mixture per acre.</p> <p><b>POSTEMERGENCE BROADCAST OR BAND:</b> Apply over the top of stubble or plant cane while sugarcane is less than 14 inches tall.</p> <p><b>POSTEMERGENCE DIRECTED SPRAY:</b> Apply to sugarcane that is a minimum of 14 inches tall and before row closing.</p>
	1 1/3 to 2	<p><b>AERIAL APPLICATION:</b> Apply when weeds are less than 4 inches tall in 5 to 10 gallons of spray mixture per acre. Apply to stubble or plant cane while the sugarcane is less than 14 inches tall.</p>

**SENCOR PLUS Atrazine TANK MIX:** SENCOR SOLUPAK may be used with atrazine as a preemergence or postemergence (before row closing) application to sugarcane. Rates for SENCOR SOLUPAK are 1 to 2 2/3 pounds/acre and atrazine 80% WP (4L) are 2 1/2 to 5 lb/acre (2 to 4 quarts/acre). For additional information on precautions, instructions, limitations, application, and weeds controlled, refer to this label and the atrazine label.

**Special Precautions: (Florida only)**

Do not use more than 2 2/3 pounds per acre in a single growing season.

Do not use on sand soils.

Spray contact with sugarcane foliage may result in minor leaf margin chlorosis and/or necrosis.

Do not apply within 60 days of harvest.

Do not use treated crop for feed or forage.

Avoid spray overlaps or variations in application speed that may result in insufficient or excessive rates of application.

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SENCOR SOLUPAK Herbicide

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TOMATOES

Apply SENCOR herbicide with ground equipment to seeded and transplanted tomatoes as specified below under "Recommended Applications".

For effective control of grasses and broadleaf weeds with postemergence applications, apply SENCOR SOLUPAK before weeds are 1-inch tall. Thorough spray coverage on weed foliage is essential for adequate control with postemergence applications.

Do not use air blast or other high pressure spray equipment to make postemergence applications of SENCOR SOLUPAK. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and cautions.

For specific application information see the "General Information" section in the front of this label.

Weeds Controlled:

PREPLANT INCORPORATED APPLICATIONS--TRANSPLANT TOMATOES ONLY

Broadleaves

Galinsoga  
(Galinsoga spp.)  
Lambsquarters  
(Chenopodium album)  
\*Pigweed, Redroot  
(Amaranthus retroflexus)  
\*Purslane, Common  
(Portulaca oleracea)

Grasses

\*Goosegrass  
(Eleusine indica)

Preplant incorporated applications applied as directed will suppress foxtails, panicums and barnyardgrass.

SENCOR/Treflan Tank Mix

This tank mix combination applied preplant incorporated as directed on this label will control the weeds listed above plus those weeds listed on the Treflan label.

**POSTEMERGENCE APPLICATIONS--ESTABLISHED TOMATOES**

For effective control of weeds with postemergence applications, apply SENCOR SOLUPAK before weeds are 1-inch tall.

Broadcast Sprays - 1/3 to 1/2 lb.  
 of SENCOR SOLUPAK/acre

Directed Sprays - 2/3 to 1 1/3 lbs.  
 of SENCOR SOLUPAK/acre

Broadleaves

Grasses

- Carpetweed  
 (Mollugo verticillata)
- Fumitory  
 (Fumaria officinalis)
- Galinsoga  
 (Galinsoga spp.)
- \*Jimsonweed  
 (Datura stramonium)
- \*Ladysthumb  
 (Polygonum persicaria)
- Lambsquarters  
 (Chenopodium album)
- Mustard, Wild  
 (Brassica kaber)
- Pigweeds  
 (Amaranthus spp.)
- Purslane  
 (Portulaca oleracea)
- \*Ragweed, Common  
 (Ambrosia artemisiifolia)
- \*Smartweed, Pennsylvania  
 (Polygonum pennsylvanicum)
- Toadflax  
 (Linaria spp.)
- \*Velvetleaf  
 (Abutilon theophrasti)

- \*Foxtail, Yellow  
 (Setaria glauca)
- Goosegrass  
 (Eleusine indica)
- (Plus Weeds Listed Under  
 "Broadcast Sprays")

\*For optimum control of these weeds, use the highest rate recommended on the label for the type of application to be made. Repeat postemergence applications may be needed for best control.

Postemergence applications as directed on this label will suppress barnyardgrass and crabgrass when these weeds are less than 1-inch tall.

**RECOMMENDED BROADCAST APPLICATIONS**

CROP	SENCOR SOLUPAK *Pounds/Acre	REMARKS
	1/3 to 2/3	<p><u>PREPLANT INCORPORATED--TRANSPLANT TOMATOES ONLY (EXCEPT CALIFORNIA):</u> Apply specified dosage in 10 to 40 gallons of water per acre as a broadcast spray to the soil surface immediately before transplanting. Incorporate to a depth of 2 to 4 inches with equipment capable of uniformly mixing the chemical into the soil. This application may be made alone or in a tank mix combination with Treflan E.C. Refer to the Treflan label for specific rate of application and for additional precautions and restrictions for tomatoes.</p>
Tomatoes	1/3 to 1/2	<p><u>POSTEMERGENCE BROADCAST SPRAY--ESTABLISHED TOMATOES:</u> Apply specified dosage in 20 to 75 gallons of water per acre as a broadcast spray, or apply in 1/4 to 3/4 inch of water (use 1/4 to 1/2 inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or in the last 15 to 30 minutes of set in permanent solid set sprinkler systems, over the plants in single or multiple applications with a minimum of 14 days between treatments. For transplanted tomatoes do not apply within 14 days of transplanting. Transplants <u>must</u> have recovered from transplant shock and new growth evident. Do not apply to tomatoes within 24 hours of application of other pesticides. Do not tank mix with other pesticides. (See "Special Precautions" below.)</p>
	2/3 to 1 1/3	<p><u>POSTEMERGENCE DIRECTED SPRAY--ESTABLISHED TOMATOES:</u> Apply specified dosage in 20 to 75 gallons of water per acre as a directed spray in single or multiple applications with a minimum of 14 days between treatments. Avoid contacting tomato foliage with spray. This method of treatment is recommended for use in fields with a history of severe weed pressure or in fields infested with hard to control weeds. For transplanted tomatoes, do not apply within 14 days of transplanting. Transplants <u>must</u> have recovered from transplant shock and new growth evident. Do not apply to tomatoes within 24 hours of application of other pesticides. (See "Special Precautions" below.) When banding see the appropriate section in the front of this label.</p>

\*Use the higher rate in fields with a history of severe weed pressure and for maximum residual weed control.

SPECIAL PRECAUTIONS (Tomatoes)

Do not apply more than a total of 1 1/3 lbs. SENCOR SOLUPAK per crop season.

Do not apply the total amount of 1 1/3 lbs. SENCOR SOLUPAK within a time span of less than 35 days, except in the case of directed sprays.

Allow at least 14 days between applications, regardless of dosage or method of application.

Do not apply within 7 days of harvest.

Do not apply within 3 days after periods of cool, wet or cloudy weather, or crop injury will occur.

Do not use hot caps on tomatoes within 7 days before or at any time after application of SENCOR SOLUPAK.

Do not treat seeded tomatoes until plants have reached the 5 to 6 leaf stage.

Crop injury or delayed maturity may result from broadcast or directed spray applications if tomatoes are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.

For newly introduced tomato varieties with unknown tolerance to SENCOR, treat only a small area to determine if SENCOR SOLUPAK can be used without injury to the crop.

DO NOT USE SENCOR SOLUPAK ON TOMATOES IN KERN COUNTY, CALIFORNIA.

CEREALS

(Barley and Wheat)

For the control of certain grass and broadleaf weeds, SENCOR herbicide is recommended as a single postemergence application in barley (winter and spring) and winter wheat (see the appropriate section of this label for geographic limitations).

SENCOR SOLUPAK may be used in cereals (barley and wheat) as follows:

1. Barley (spring and winter) - Only East of the Cascade Mountains in Idaho, Oregon, Montana, Utah and Washington.
2. Winter Wheat in Idaho, Oregon, Montana, Utah, & Washington.
3. Winter Wheat in Idaho, Montana, Nevada, Oregon, Utah and Washington - Early Application (2-leaf stage).
4. Dryland (Non-irrigated) Winter wheat in Kansas, Oklahoma, & Texas.
5. Dryland (Non-irrigated) Winter wheat only (Arkansas, Kentucky, Louisiana, Mississippi, & Tennessee)
6. Dryland (Non-irrigated) Winter wheat only (Georgia).

### Mixing

See the "Mixing" section under "General Information" section in the front of this label for specific mixing procedures. Do not tank mix SENCOR SOLUPAK with pesticides other than those specified below. When tank-mixing, carefully follow the instructions on this label. Refer to the other product label registered for the specific use intended for directions, rates, and weeds controlled.

### Application

Refer to the "General Information" section in the front of this label for detailed information on the application of SENCOR SOLUPAK.

Apply SENCOR SOLUPAK when wheat stand is uniform in height. For best results apply SENCOR SOLUPAK when weeds are small (less than 1 to 1 1/2 inches in diameter or height). In the Fall apply after wheat has a minimum of 3 tillers and 4 secondary roots at least 2 inches in length, but before winter dormancy and wheat jointing occurs. In the Spring apply after wheat has recovered from winter dormancy and after wheat has fully tillered and has developed secondary roots at least 2 inches in length, but before jointing.

Apply SENCOR SOLUPAK only once per crop season to wheat or barley.

### Grazing Treated Wheat

Wheat fields treated with SENCOR SOLUPAK may be grazed 14 days following application.

### SPECIAL PRECAUTIONS (Cereals)

Crop injury may occur on barley or wheat when SENCOR SOLUPAK is used under the following conditions:

1. When applied while the crop is under stress such as winter kill, frost damage, disease, drought or excessive moisture, or when these conditions follow the application.
2. When applied in combination with fluid fertilizer.
3. When applications are made prior to the growth stage specified on this label.
4. When soils are high in lime or sodium, have a pH greater than 7.7, or are calcareous soils.
5. When proper application instructions are not followed.

Weed control may not be observed for 2 to 4 weeks after application; under very dry conditions, weed control may not be apparent for 4 to 6 weeks. Moisture (at least 1/2") is needed within 2 to 3 weeks after application to move SENCOR into the weed root zone. Lack of adequate moisture after application may result in poor control.

Do not exceed the rates specified on this label.

BARLEY (Spring and Winter)

FOR USE ONLY EAST OF THE CASCADE MOUNTAINS IN IDAHO, OREGON, UTAH, MONTANA AND WASHINGTON ON THE VARIETIES BOYER, COMPANA, HANNCHEN, HECTOR, HESK, HUDSON, LUTHER, KAMIAK, KLAGES, OLYMPIC, PIROLINE AND STEPTOE.

A single postemergence application of SENCOR SOLUPAK is recommended for control of certain grass and broadleaf weeds in Spring and Winter barley.

RECOMMENDED BROADCAST APPLICATIONS

	SENCOR SOLUPAK Pounds Per Acre	REMARKS
<u>SOIL TEXTURE</u>	%Organic Matter <sup>1/</sup> 1 to 2      Over 2	Barley should be seeded to obtain a uniform crop stand at application time. Apply after barley has fully tillered and developed secondary roots but before jointing and before weeds are 2 inches tall or have 2 inch diameter rosettes. Do not graze or harvest treated barley for feed before crop maturity.
<u>COARSE</u> (Sandy loam, loamy sand)	1/3      1/3 to 1/2	
<u>MEDIUM</u> (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/3 to 1/2      1/2	
<u>FINE</u> (Silty clay, silty clay loam, <sup>2/</sup> clay, clay loam)	1/2      1/2 to 2/3	

<sup>1/</sup> Do not use on any soils containing less than 1% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U. S.

Weeds Controlled in Barley:

Broadleaves

- Chickweed, Common  
(Stellaria media)
- Tarweed, Fiddleneck  
(Amsinckia lycopsoides)
- Henbit  
(Lamium amplexicaule)
- \*Kochia  
(Kochia scoparia)
- Lambsquarters  
(Chenopodium album)
- \*Mustard, Blue or Purple  
(Chorispora tenella)
- \*Mustard, Jim Hill  
(Sisymbrium altissimum)
- \*Mustard, Wild  
(Brassica kaber)
- Pigweeds  
(Amaranthus spp.)

Grasses

- \*Cheatgrass  
(Bromus secalinus)
- \*Downy Brome  
(Bromus tectorum)
- \*Foxtails  
(Setaria spp.)
- \*Ryegrass, Annual  
(Lolium multiflorum)
- \*Windgrass  
(Apera sp.)

\*Use the highest rate recommended for soil texture and percent organic matter for the control of these weeds.

Hard to Control Weed: Wild oats (Avena fatua)

NOTE: Control of wild oats may be variable, ranging from poor to excellent depending on timing of application, stage of growth of wild oats at time of application, temperatures and soil moisture conditions following treatment.

SENCOR in Combination with Other Herbicides

SENCOR SOLUPAK may be applied as directed above or may be tank mixed with 2,4-D, Banvel®, Bronate®, Buctril®, Finesse® or Igran. Refer to the other product label registered for this use for additional directions, rates, and weed species controlled. Observe all cautions and limitations on labeling of all products used in mixtures.

WINTER WHEAT

FOR USE ON WINTER WHEAT IN IDAHO, OREGON, UTAH AND WASHINGTON ON THE VARIETIES DAWS, GAINES, HATTON, HILL 81, HYSLOP, LUKE, McDERMID, MORO, NuGAINES, PAHA, PECK, SPRAGUE, STEPHENS, WANSER, FARO, TYEE, AND WESTON AND IN MONTANA ON THE VARIETIES CENTURK, CHEYENNE AND WINALTA.

A single postemergence application of SENCOR SOLUPAK is recommended for control of certain grass and broadleaf weeds in Winter wheat.

RECOMMENDED BROADCAST APPLICATIONS<sup>1/</sup>

SOIL TEXTURE	SENCOR SOLUPAK POUNDS PER ACRE		
	0.75% to 1% Organic Matter <sup>2/</sup>	1% to 2% Organic Matter	More than 2% Organic Matter
<u>Coarse</u> loamy sand, sandy loam	1/3 to 2/5	1/3 to 2/5	1/3 to 2/5
<u>Medium</u> loam, silt loam, silt, sandy clay, sandy clay loam	1/3 to 2/5	2/5 to 1/2	2/5 to 3/5
<u>Fine</u> silty clay, silty clay loam <sup>3/</sup> , clay, clay loam	1/3 to 1/2	1/2 to 2/3	1/2 to 2/3

<sup>1/</sup> Do not use on gravelly or thinly covered or exposed subsoil areas (clay knobs) as crop injury may occur.

<sup>2/</sup> Do not use on any soils containing less than 0.75% organic matter.

<sup>3/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Weeds Controlled in Wheat:Broadleaves

Annual Polemonium (Jacob's Ladder)  
(Polemonium micranthum)  
Chickweed, Common  
(Stellaria media)  
Conical Catchfly  
(Silene conica)  
Corncockle  
(Agrostemma githago)  
Tarweed, Fiddleneck  
(Amsinckia lycopsoides)  
Gromwell  
(Lithospermum officinale)  
Henbit  
(Lamium amplexicaule)  
Ivyleaf Speedwell  
(Veronica hederifolia)  
Knotweed, Prostrate  
(Polygonum aviculare)  
\*Kochia  
(Kochia scoparia)  
Lambsquarters  
(Chenopodium album)  
Madwort (catchweed)  
(Asperugo procumbens)  
Mayweed (dog fennel)  
(Eupatorium capillifolium)  
Miners Lettuce  
(Claytonia perfoliata)  
\*Mustard, blue or purple  
(Chorispora tenella)  
\*Mustard, Jim Hill (tumble)  
(Sisymbrium altissimum)  
\*Mustard, Wild  
(Brassica kaber)  
Pennycress, Field  
(Thlaspi arvense)  
Pineappleweed  
(Matricaria matricarioides)  
Prickly Lettuce  
(Lactuca serriola)  
Pigweeds,  
(Amaranthus spp.)  
Redstem filaree  
(Erodium cicutarium)  
\*Russian Thistle  
(Salsola iberica)  
Shepherdspurse  
(Capsella bursa-pastoris)

Grasses

\*Blackgrass (Black twitchgrass)  
(Alopecurus myosuroides)  
\*Bluegrass, bulbous  
(Poa bulbosa)  
\*Cheatgrass  
(Bromus secalinus)  
\*Downy Brome  
(Bromus tectorum)  
\*Foxtails  
(Setaria spp.)  
\*Rescuegrass  
(Bromus catharticus)  
\*Ryegrass, Italian  
(Lolium multiflorum)  
\*Wild Barley  
(Hordeum leporinum)  
\*Windgrass  
(Apera spica-venti)

\*Suppression only may occur

For suppression of these weeds, use the highest rate recommended for soil texture and percent organic matter. Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

Hard-To-Control Weeds:

Broadleaves

Cowcockle  
(Vaccaria pyramidata)  
Mustard, Tansy  
(Descurainia pinnata)  
Wild Buckwheat  
(Polygonum convolvulus)

Grasses

Ripgut Brome  
(Bromus diandrus)  
Wild Oats  
(Avena fatua)

NOTE: Control of these weeds may be variable, ranging from poor to excellent depending on timing of application, stage of growth at the time of application, temperatures, and soil moisture conditions following treatment.

SENCOR In Combination With Other Herbicides

SENCOR SOLUPAK may be applied as a tank mix with Finesse, Glean®, Harmony®, Harmony Extra, 2,4-D, MCPA, Igran®, Banvel, Bronate or Buctril. Refer to the other product labels registered for this use for additional directions, rates and weed species controlled. Observe all cautions and limitations on labeling of all products used in mixtures.

IRRIGATED WHEAT/BARLEY

Follow timing directions for dryland wheat/barley found at the beginning of this cereals section. After application of SENCOR SOLUPAK, do not apply more than 1/2 inch of water for the first irrigation; the maximum amount for each additional irrigation should not exceed 1 inch.

SENCOR plus Igran Tank-Mix Application

Apply SENCOR SOLUPAK at 1/3 to 1/2 pound per acre and Igran 80WP at 1/2 to 3/4 pound per acre according to label directions. The rate of each product depends on soil type. Do not use Igran on sand or loamy sand soils. Use lower rate of Igran on sandy loam soils.

**BROADLEAF WEED CONTROL ONLY:**

Where only broadleaf control is needed, SENCOR SOLUPAK applied at the rates listed below in tank mix combination with Bronate or Bucril can be used to control wild buckwheat, in addition to all the broadleaf weeds listed on this labels.

**RECOMMENDED BROADCAST APPLICATIONS**

SENCOR SOLUPAK lb./A	REMARKS
1/4 to 1/3	Apply SENCOR in a tank mix combination with Bucril or Bronate. Use higher rate of SENCOR for control of larger broadleaf weeds that are 2 inches in diameter or height. Apply before weeds are greater than 3 inches in diameter or height. Not for use on sand soils.

**SPECIAL PRECAUTIONS:** Refer to the General Mixing and Application, and Precautions in the front of the cereal section.

Temporary chlorosis or injury may occur after application of SENCOR SOLUPAK to wheat, especially if frost or snow occurs within a few days after application. Heavy rainfall (1 inch or more) within 4 days following application may result in crop injury.

**WINTER WHEAT**

FOR USE IN IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON ON THE VARIETIES CENTURK, CHEYENNE, DAWS, FARO, GAINES, HATTON, HILL 81, HYSLOP, LUKE, McDERMID, MORO, NUGAINES, PAHA, PECK, SPRAGUE, STEPHENS, TYEE, WANSER, WESTON, AND WINALTA

SENCOR SOLUPAK herbicide, in a tank mix combination with one of the herbicide products specified below, may be applied to wheat after the crop has reached the 2-leaf stage for control of the following broadleaf weeds:

- Common chickweed      (Stellaria media)
- Henbit                    (Lamium amplexicaule)
- Prickly lettuce        (Lactuca serriola)
- Blue mustard          (Chorispora tenella)
- Field pennycress      (Thlaspi arvense)
- Tarweed fiddleneck    (Amsinckia lycopsoides)
  
- Suppression only:    Downy brome (Bromus tectorum)

**RECOMMENDED APPLICATIONS**

CROP	SENCOR SOLUPAK Pound Per Acre	REMARKS
Winter Wheat	1/8 to 3/16 (2 to 3 ounces)	Use only in a tank mix combination for broadleaf weed control.* The specified dosage per acre may be added to other herbicides registered for use on wheat after the crop has reached the 2-leaf stage, but not during winter dormancy. See the appropriate sections of this label and the label for other herbicide products that are tank mixed with SENCOR SOLUPAK for directions, application rates, mixing procedures, special precautions and restrictions before using.

\*May be used with: Bronate, Buctril, Banvel, 2,4-D, MCPA, Glean, Ally, Finesse, Harmony, or Harmony Extra.

Observe all cautions and limitations on labeling of all products used in mixtures.

DRYLAND (NON-IRRIGATED) WINTER WHEAT

FOR USE ONLY ON DRYLAND WINTER WHEAT IN KANSAS, OKLAHOMA AND TEXAS ON THE VARIETIES: GARST 64, HAWK, LARNED, NEWTON, PIONEER 2157, STALLION, TAM W101, TAM 105, VICTORY, AND WRANGLER.

Weeds Controlled in Wheat:Broadleaves

Annual Polemonium (Jacob's Ladder)  
(Polemonium micranthum)  
Chickweed, Common  
(Stellaria media)  
Tarweed, Fiddleneck  
(Amsinckia lycopsoides)  
Henbit  
(Lamium amplexicaule)  
\*Kochia  
(Kochia scoparia)  
Lambsquarters  
(Chenopodium album)  
\*Mustard, Blue  
(Chorispora tenella)  
\*Mustard, Jim Hill  
(Sisymbrium altissimum)  
\*Mustard, Wild  
(Brassica kaber)  
Pigweeds  
(Amaranthus spp.)

Grasses

\*Cheatgrass  
(Bromus secalinus)  
\*Downy Brome  
(Bromus tectorum)  
\*Foxtails  
(Setaria spp.)  
\*Rescuegrass  
(Bromus catharticus)

\*For control of these weeds, use the highest rate recommended for soil texture and percent organic matter.

Hard to Control Weeds: \*Italian ryegrass (Lolium multiflorum), \*wild oats (Avena fatua), and \*wild buckwheat (Polygonum convolvulus).

NOTE: Control of these weeds may be variable, ranging from poor to excellent depending on timing of application, stage of growth at time of application, temperatures and soil moisture conditions following treatment.

RECOMMENDED BROADCAST APPLICATIONS

SOIL TEXTURE	SENCOR SOLUPAK Pounds Per Acre				REMARKS
	%Organic Matter <sup>1/</sup>				
	Fall		Spring		
<b>COARSE</b> (Sandy loam, loamy sand)	1 to 2 1/3	Over 2 1/3	1 to 2 1/3	Over 2 1/3 to 1/2	Apply specified dosage per acre with aerial or ground spray equipment as a broadcast post-emergence spray. For Fall or Spring application, refer to "Application" in the beginning of this cereals section for information or timing of application and growth restrictions.
<b>MEDIUM</b> (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/3 to 1/2	1/2	1/2 to 2/3	1/2 to 5/6	
<b>FINE</b> (Silty clay, silty clay loam <sup>2/</sup> , clay, clay loam)	1/2	1/2 to 2/3	1/2 to 5/6	2/3 to 1	

<sup>1/</sup> Do not use on any soils containing less than 1% organic matter.

<sup>2/</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

SENCOR in Combination with Other Herbicides

SENCOR SOLUPAK may be applied as directed above or may be tank mixed with 2,4-D, Banvel, Bronate or Buctril. Refer to the other product label registered for additional directions, rates, and weed species controlled.

Dryland (Non-Irrigated) Winter Wheat Only

(Arkansas, Kentucky, Louisiana, Mississippi and Tennessee)

Weeds Controlled:

<u>Broadleaves</u>	<u>Grasses</u>
Bittercress ( <u>Cardamine spp.</u> )	Bluegrass, Annual ( <u>Poa annua</u> )
*Buttercup ( <u>Ranunculus spp.</u> )	*Cheatgrass ( <u>Bromus secalinus</u> )
Carolina Geranium ( <u>Geranium carolinianum</u> )	*Downy Brome ( <u>Bromus tectorum</u> )
Chickweed, Common ( <u>Stellaria media</u> )	Little Barley ( <u>Hordeum pusillum</u> )
Chickweed, Mouseear ( <u>Cerastium vulgatum</u> )	*Rescuegrass ( <u>Bromus catharticus</u> )
Cutleaf Evening Primrose ( <u>Oenothera laciniata</u> )	*Ryegrass, Italian ( <u>Lolium multiflorum</u> )
Henbit ( <u>Lamium amplexicaule</u> )	Whitlowgrass, Vernal ( <u>Draba verna</u> )
*Kochia ( <u>Kochia scoparia</u> )	
Lambsquarters, Common ( <u>Chenopodium album</u> )	
Mayweed (dog fennel) ( <u>Eupatorium capillifolium</u> )	
Mustard, Wild ( <u>Brassica kaber</u> )	

\*For control of these weeds on fine soils, use SENCOR SOLUPAK at 2/3 pound/acre.

Note: Control of wild buckwheat (Polygonum convolvulus) and winter vetch (Vicia spp.) may be variable with SENCOR SOLUPAK, ranging from poor to excellent depending on growth at time of application, temperatures and moisture conditions following application.

Recommended for use only on the following wheat varieties:

Abe, Arthur 71, Caldwell, Coker 747, Coker 762, Coker 68-15, Doublecrop, Florida 302, Hunter, McNair 1003, McNair 1813, Magnum, Nelson, Pike, Pioneer 2550, Pioneer 2555, Saluda, Southern Belle, Traveler, Twain, and Tyler.

RECOMMENDED BROADCAST APPLICATIONS

Soil Texture	SENCOR SOLUPAK <sup>(1)</sup> Pounds/A	Remarks
Coarse (Sandy loam, loamy sand)	1/3	Apply specified dosage per acre as a broadcast postemergence spray. For wheat plants that are coming out of winter dormancy, allow at least two weeks for plants to recover before application. If wheat has been grazed during the winter, allow at least two weeks for recovery before application. Refer to the beginning of this cereals section for information on timing and growth stages for application.
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	
Fine (Silty clay, silty clay loam <sup>(2)</sup> , clay, clay loam)	1/2 - 2/3 <sup>(3)</sup>	

- (1) Do not use on coarse soils containing less than 1% organic matter or on Medium or Fine textured soils containing less than 0.5% organic matter.
- (2) Silty clay loam soils are transitional soils and may be classified as Medium textured soils in some regions of the U.S.
- (3) Use 2/3 pound/acre for control of weed species designated with an asterisk under "Weeds Controlled".

**SENCOR in Combination with other Herbicides:**

SENCOR SOLUPAK may be applied as directed above and may be tank mixed with 2,4-D, Banvel, Bronate or Bucril. Refer to the other registered product label for additional directions, rates, and weed species controlled.

Special Precautions

Temporary chlorosis may occur after application of SENCOR SOLUPAK to wheat, especially if frost occurs.

Dryland (Non-Irrigated) Winter Wheat Only

(Georgia)

Weeds Controlled:

Broadleaves

Bittercress  
(Cardamine spp.)  
Buttercup  
(Ranunculus spp.)  
Carolina Geranium  
(Geranium carolinianum)  
Chickweed, Common  
(Stellaria media)  
Chickweed, Mouseear  
(Cerastium vulgatum)  
Cutleaf Evening Primrose  
(Oenothera laciniata)  
Henbit  
(Lamium amplexicaule)  
Kochia  
(Kochia scoparia)  
Lambsquarters, Common  
(Chenopodium album)  
Mayweed (dog fennel)  
(Eupatorium capillifolium)  
Mustard, Wild  
(Brassica kaber)

Pepperweed, Virginia  
(Lepidium virginicum)  
Pigweeds  
(Amaranthus spp.)  
Shephardspurse  
(Capsella bursa-pastoris)  
Wild Turnip  
(Brassica rapa)  
Wild Radish  
(Raphanus raphanistrum)

Grasses

Bluegrass, Annual  
(Poa annua)  
Cheatgrass  
(Bromus secalinus)  
Downy Brome  
(Bromus tectorum)  
Little Barley  
(Hordeum pusillum)  
Rescuegrass  
(Bromus catharticus)  
Ryegrass, Italian  
(Lolium multiflorum)  
Whitlowgrass, Vernal  
(Draba verna)

Note: Control of wild buckwheat (Polygonum convolvulus) and winter vetch (Vicia spp.) may be variable with SENCOR SOLUPAK, ranging from poor to excellent depending on growth at time of application, temperatures and moisture conditions following application.

Recommended for use only on the following wheat varieties:

Abe, Arthur 71, Caldwell, Coker 747, Coker 762, Coker 797, Coker 68-15, Doublecrop, Florida 302, Hunter, McNair 1003, McNair 1813, Nelson, Oasis, Omega 78, Pike, Southern Belle, Stacy and Tyler.

**RECOMMENDED BROADCAST APPLICATIONS**

Soil Texture	SENCOR SOLUPAK Pounds/A	Remarks
Coarse (Sandy loam, loamy sand)	1/3	Apply specified dosage per acre as a broadcast postemergence spray. For wheat plants that are coming out of winter dormancy, allow at least two weeks for plants to recover before application. If wheat has been grazed during the winter, allow at least two weeks for recovery before application. Do not apply before 75 days after planting. Apply only after wheat has 4 tillers, but before jointing. Wheat must be planted before November 15 in the Piedmont area and northern part of the state, and before December 1 in the Coastal Plain area.
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	

Do not use on Coarse soils containing less than 1% organic matter or on Medium textured soils containing less than 0.5% organic matter.

**SENCOR in Combination with other Herbicides:**

SENCOR SOLUPAK may be applied as directed above and may be tank mixed with 2,4-D, Banvel, Bronate or Bucril. Refer to the other registered product label for additional directions, rates, and weed species controlled.

**Special Precautions**

Temporary chlorosis may occur after application of SENCOR SOLUPAK to wheat, especially if frosts occur.

**FOR WEED CONTROL IN A WHEAT/FALLOW/WHEAT ROTATION  
 (Idaho, Oregon, Utah and Washington Only)**

SENCOR SOLUPAK may be applied to provide weed control during the fallow period after wheat harvest or in the Spring before winter wheat is planted. Winter wheat can be seeded 4 months (120 days) after Spring application. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of winter wheat. Best results will be obtained where straw and chaff are evenly distributed across the field.

For specific application information see the "General Information" section in the front of this label.

Where weed growth is present at application time, SENCOR SOLUPAK should be applied with Gramoxone or other contact herbicide. Refer to the other product label registered for additional directions, rates, and weed species controlled.

**Weeds Controlled:**

<u>Broadleaves</u>		<u>Grasses</u>
Chickweed, Common ( <u>Stellaria media</u> )	Mustard, Treacle ( <u>Eyrsimum repandum</u> )	Cheatgrass ( <u>Bromus secalinus</u> )
Henbit ( <u>Lamium amplexicaule</u> )	Mustard, Wild ( <u>Brassica kaber</u> )	Downy Brome ( <u>Bromus tectorum</u> )
*Kochia ( <u>Kochia scoparia</u> )	Pennycress, Field (Fanweed) ( <u>Thlaspi arvense</u> )	*Wheat, Volunteer ( <u>Triticum spp.</u> )
Lambsquarters ( <u>Chenopodium album</u> )	Pigweeds ( <u>Amaranthus spp.</u> )	
Mustard, Blue or Purple ( <u>Chorispora tenella</u> )	*Russian thistle ( <u>Salsola iberica</u> )	
Mustard, Jim Hill ( <u>Sisymbrium altissimum</u> )	*Wild Sunflower ( <u>Helianthus spp.</u> )	
Mustard, Tansy ( <u>Descuainia pinnata</u> )		

\*Note: Since control of these weeds may be variable depending on moisture following application, the higher labelled rate is recommended.

**After Harvest Application (Fall Fallow):** SENCOR SOLUPAK may be applied to wheat stubble after harvest in the Fall. Apply 2/3 to 5/6 pound per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation .

Do not plant crops in treated areas for at least 10 months following Fall applications.

SENCOR SOLUPAK may be applied at 2/3 to 5/6 pound per acre as directed above for a Fall application. If other vegetation is present at the time of application use a contact herbicide.

Spring Application (Summer Fallow): SENCOR SOLUPAK may be applied to wheat stubble in the Spring. Apply 1/2 to 2/3 pound per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or weeds designated as requiring higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

Precautions and Restrictions:

Do not graze treated fields.

Do not plant Spring seeded cereals following Fall fallow applications of SENCOR.

Where SENCOR was applied in the Fall, do not apply SENCOR in the Spring.

FOR WEED CONTROL IN A FALLOW ROTATION WITH BARLEY AND WHEAT  
(COLORADO, KANSAS, MONTANA, NEBRASKA, AND WYOMING ONLY)

SENCOR SOLUPAK may be applied to provide weed control during the fallow period after wheat or barley harvest or in the Spring before planting of Winter wheat or barley. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of Winter wheat or barley.

Refer to "Mixing" in the "General Information" section in the front of this label.

For specific application information see the "General Information" section in the front of this label.

Where weed growth is present at application time, SENCOR SOLUPAK should be applied with Gramoxone, Roundup®, or other contact herbicide. Refer to the other product label registered for additional directions, rates, and weed species controlled. Do not plant crops in treated areas earlier than 10 months following Fall applications.

**WEEDS CONTROLLED:**

Broadleaves

Chickweed, Common  
 (Stellaria media)  
 Cowcockle  
 (Vaccaria pyramidata)  
 Henbit  
 (Lamium amplexicaule)  
 \*Kochia  
 (Kochia scoparia)  
 Lambsquarters  
 (Chenopodium album)  
 Mustard, Blue or Purple  
 (Chorispora tenella)  
 Mustard, Jim Hill  
 (Sisymbrium altissimum)  
 Mustard, Tansy  
 (Descurainia pinnata)  
 Mustard, Treacle  
 (Eyrsimum repandum)

Mustard, Wild  
 (Brassica kaber)  
 Pennycress, Field (fanweed)  
 (Thlaspi arvense)  
 Pigweeds  
 (Amaranthus spp.)  
 Russian thistle  
 (Salsola iberica) Wild  
 Sunflower  
 (Helianthus spp.)

Grasses

Cheatgrass  
 (Bromus secalinus)  
 Downy Brome  
 (Bromus tectorum)  
 \*Foxtail, Green  
 (Setaria viridis)  
 \*Wheat, Volunteer  
 (Triticum spp.)  
 \*Wild Oats  
 (Avena fatua)

\*Note: Since control of these weeds may vary depending on moisture following application, use the higher rate recommended below.

**AFTER HARVEST APPLICATION** (Fall Fallow) - SENCOR SOLUPAK may be applied to the stubble after harvest in the Fall. Apply 5/6 to 1 pound per acre broadcast before weeds emerge. Use the higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

**SPRING APPLICATION** (Summer Fallow) - SENCOR SOLUPAK may be applied to the stubble in the Spring. Apply 1/2 to 2/3 pound per acre broadcast before weeds emerge in the Spring. Use the higher rate for longer weed control or weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation. Wheat or barley can be seeded 120 days after Spring application.

**Precautions and Restrictions**

Do not graze treated fields.

Do not plant Spring seeded cereals following Fall applications for fallow.

Where SENCOR was applied in the Fall, do not apply SENCOR in the Spring.

CROP ROTATION RECOMMENDATIONS

Waiting Period After SENCOR Herbicide Application<sup>1/</sup>

<u>4 Months</u>	<u>8 Months</u>	<u>12 Months</u>	<u>18 Months</u>
Alfalfa	Barley	Other Crops	Sugar Beets
Barley <sup>2/</sup>	Cotton	not listed	Onions
Asparagus	Lentils	(except	And Other
Corn	Peas	root crops)	root crops
Forage Grasses	Rice		
Potatoes	Wheat		
Sainfoin			
Soybeans			
Sugarcane			
Tomatoes			
Wheat <sup>2/</sup>			

<sup>1/</sup> Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed. Stand reductions may occur in some areas.

<sup>2/</sup> Following peas, lentils or soybeans.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

May be harmful if swallowed or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse.

Do not contaminate feed or food. Keep out of reach of children.

Obtain prompt medical aid if poisoning should occur.

To Physician: Treat the patient symptomatically.

Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by breathing difficulties and sedation.

STATEMENTS OF PRACTICAL TREATMENT

If in eyes, immediately flush eyes with plenty of water for at least 15 minutes. For further treatment get medical attention.

If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (1/2 oz. or 15 ml.) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately.

If on skin, wash thoroughly with soap and warm water.

ENVIRONMENTAL HAZARDS

Do not use on other crops grown for food or forage. Do not apply directly to water or wetlands. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not allow sprays to drift on to adjacent desirable plants.

Observe all cautions and limitations on labeling of all products used in mixtures.

**GROUND WATER ADVISORY.** Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. Metribuzin has been found in ground water as a result of agricultural use. Users are advised not to apply metribuzin where the water table (ground water) is close to the surface, and where the soils are very permeable, i.e., well drained soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

RE-ENTRY STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings should include those statements found under the label heading "Precautionary Statements" and "Re-entry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING**, area treated with SENCOR SOLUPAK on (date of application). Do not enter without appropriate protective clothing until sprays have dried. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes. If swallowed, vomiting should be induced. (See Precautionary Statements on label).

STORAGE AND DISPOSAL

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Do not use container in connection with food, feed, or drinking water. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**STORAGE AND DISPOSAL (Continued)**

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816-242-2582, or contact Chemtrec at 800-424-9300.

Amiben is a Reg. TM of Union Carbide Agricultural Products Co., Inc.

Banvel is a Reg. TM of Velsicol Chemical Corp.

Bladex is a Reg. TM of Shell Chemical Co.

Bronate and Bucril are Reg. TM's of Rhone-Poulenc Chemical Co.

Command and Commence are Reg. TM's of FMC Corp.

Dual and Igran are Reg. TM's of Ciba-Geigy.

Ally, Canopy, Finesse, Glean and Harmony are Reg. TM's of E. I. duPont de Nemours and Co.

Gramoxone is a Reg. TM of ICI Americas, Inc.

Cannon, Freedom, Lasso and Roundup are Reg. TM's of Monsanto Co.

Pursuit, Prowl and Scepter are Reg. TM's of American Cyanamid Co.

Sonalan, Surflan, and Treflan are Reg. TM's of Elanco Products Co.

X-77 is a Reg. TM of Chevron Chemical Co.

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Base Pre-Reg (7057a)

LABELING FOR ONE POUND PVA PACKET

---

SENCOR® SOLUPAK™  
Herbicide  
In Water Soluble Packets

ACTIVE INGREDIENT:  
4-Amino-6-(1,1-dimethylethyl)-3-  
(methylthio)-1,2,4-triazin-  
5(4H)-one..... 75%

EPA Reg No. 3125-XXX

KEEP OUT OF REACH OF CHILDREN

CAUTION

(See outer package for complete use and handling  
directions and precautions)

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NOT REVIEWED  
In Accordance with FR Notice 83-2,  
Filed on Draft Report... 10/1/90



75% Dry Flowable Herbicide  
In Water Soluble Packets

909475

095111

**For control of certain grasses  
and broadleaf weeds.**

**ACTIVE INGREDIENT**

1 Acifluorfen 6:1:1 (dimethyl ester) 3  
1 Trifluralin 1:2:4 (hept-5-yl) 1.0

**INERT INGREDIENTS**

5  
100

EPA Reg. No. 3175-307

SOLUPAK is a Reg. 17F of Bayer AG Germany  
SOLUPAK is a TM of Mobil Corporation

**STOP** — Read the label before use.  
**Keep out of reach of children.**

**CAUTION**

(See page 99 for Precautionary Statements and  
Statements of Practical Treatment)



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### Aviso

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

### DIRECTIONS FOR USE.

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using SENCOR SOLUPAK 75 dry flowable herbicide.

**CONDITIONS OF SALE:** The directions on this label were determined through research to be the directions for correct use of this product. This product has been tested for a range of weather conditions similar to those weather conditions that are ordinary and customary in the geographic area where the product is used. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to other crops, animals, man, or the environment. Mobay offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions are beyond the control of Mobay and are, therefore, the responsibility of the buyer.

Keep water soluble packets in original container and store in a cool, dry place but not below freezing (32°F). Entire inner packets dissolve in water. After opening outer carton, drop the required number of unopened inner packets in spray tank as directed. Avoid excessive handling of water soluble packets which may cause breakage.

### GENERAL INFORMATION.

**MIXING:** When using SENCOR SOLUPAK, make sure the sprayer is completely clean, free of rust or corrosion which occurs from Winter storage. Examine strainers and screens to be sure the sprayer is clear from previously used pesticides.

Any tank mix containing SENCOR SOLUPAK should be kept agitated and sprayed out immediately. Do not allow tank mixes to stand for prolonged periods of time.

The enclosed packets are water soluble and will completely dissolve in water. Do not allow packets to become wet before adding to the spray tank. Do not handle packets with wet hands or wet clothes. Remove the outer carton to protect unopened packets from moisture.

To prepare the spray tank, add the required number of unopened packets, as determined on the Recommended Application Chart, to the

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tank. To the spray tank, add water to the "mixing level." Operate the spray tank agitator during mixing of the spray solution. Depending on water temperature and the amount of agitation, the water soluble packets should be completely dissolved within approximately 5 minutes after being added to the spray tank.

The proper mixing procedure for SENCOR SOLUPAK and other tank mix combinations with other herbicides is:

1. Fill the spray tank to 1/2 full with clean water.
2. Add recommended rate of SENCOR SOLUPAK with agitator running and with agitator running.
3. Allow enough time for thorough mixing. The packets should be completely dissolved in approximately 5 minutes.
4. Fill spray tank to desired level with clean water.
5. Add the other herbicide to the tank and agitate thoroughly.
6. Continue agitation during application and until spray tank is empty.
7. Refer to "Storage and Disposal" on this label for complete disposal instructions.

For use in aerial application equipment, it is necessary to pre-mix the PVA packets with water before loading the aircraft spray tank. This pre-mixing should be done in a tank that has a good agitation system.

Do not use water soluble packets in a tank mix with products that contain lime or lime free chelates. Reaction of PVA with boron or other nutrients from a plastic material that is not soluble in water or rain water.

**SOIL TEXTURE:** Apply SENCOR SOLUPAK to sandy loam, loam, and clay loam, sandy loam soils. Also to silty loam, silty loam, silty clay, or sandy clay loam. Do not use on silty clay loam, silty clay loam, or clay loam. Silty clay loam soils are transitional soils and may be classed as medium textured soils in some regions of the U.S.

**CHEMIGATION:** SENCOR SOLUPAK is recommended for application through sprayer equipment, including backpack sprayers, hoses, and aspirators and is also used in the Super. Refer to the crop section of this label for recommended rates, weeds controlled, suggested restrictions, and special precautions.

Apply this product only through sprayer equipment, including backpack sprayers, hoses, and aspirators and is also used in the Super. Do not apply this product through any other type of application system.

Crop injury, lack of effectiveness, or legal pesticide residues may result from tank mixtures with certain herbicides.

**Calibration:** Calibrate your sprayer and Super equipment before use.

Sprayer application systems must be accurately calibrated for application of SENCOR SOLUPAK. Prepare a spray solution that will deliver 1.0 gallon of spray solution per 1000 square feet of a medium textured soil. For Super application, use the Super water calibration chart and Super application system.

1. Determine number of packets required to make one gallon of spray solution with Super application system.

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2. With the system at operating pressure determine the exact number of minutes required to inject one gallon of water.
3. Divide the time required for one revolution (step 1) by the time required to inject one gallon (step 2). This gives total gallons of product-water mixture to be added to nurse tank.
4. Add required amount of water to nurse tank and start the agitation system. Then add sufficient SENCOR SOLUPAK at the recommended rate (see RECOMMENDED APPLICATIONS) to the nurse tank.

**EXAMPLE:** If 20 hours (1200 minutes) were required for one revolution and if 2 minutes were required to inject one gallon, then a total of 600 gallons of product-water mixture are required ( $1200 \div 2 = 600$ ) to treat 135 acres at  $\frac{2}{3}$  pound/acre. 90.5 pounds of SENCOR SOLUPAK are required.

If you have questions about calibration, you should contact State Extension Service Specialist, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the recommended treatment.

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Maintain continuous agitation in the injection nurse tanks during the pesticide application sufficient to keep herbicide in suspension.

Apply specified dosage in  $\frac{1}{4}$  to  $\frac{3}{4}$  inch of water ( $\frac{1}{4}$  to  $\frac{3}{4}$  inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or in the last 15 to 30 minutes of set-in permanent solid set sprinkler systems. Application of more than the quantity of irrigation water recommended on this label may result in decreased product performance by removing the chemical from the zone of effectiveness. Where sprinkler distribution patterns do not overlap sufficiently unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively crop injury may result. Allow sufficient time for pesticide to be flushed through all lines and nozzles before turning off irrigation water. To insure that lines are flushed and free of remaining pesticide, an indicator dye may be injected into the lines to mark the end of the application period.

Use a minimum of 1 part water to 1 part herbicide for injection. The use of a larger volume of water will insure greater accuracy and more uniform distribution.

#### APPLICATION OF SENCOR SOLUPAK WITH HERBICIDE SPRAY EQUIPMENT

Use a standard low pressure (20 to 40 psi) herbicide boom sprayer equipped with suitable nozzles and screens no finer than 50 mesh in nozzle and in-line strainers. Agitate thoroughly before and during application with bypass agitation.

**Ground Application:** Apply the proper rate of SENCOR SOLUPAK in a minimum of 10 to 40 gallons of spray mixture per acre broadcast.

**Banded Application:** Use proportionally less SENCOR SOLUPAK per acre in a band versus a broadcast application. For band application use  $\frac{1}{2}$  to 1 gallon of spray mix per inch of band width regardless of row spacing.

#### EXAMPLES

To treat a 15 inch band on rows 30 inches apart use one half of the broadcast rate of SENCOR SOLUPAK.

To treat a 14 inch band on rows 42 inches apart use one third of the broadcast rate of SENCOR SOLUPAK.

**Aerial Application:** Where permitted, apply specified rate in a minimum of 2 to 10 gallons of spray mixture per acre. Do not apply aerially when wind speed is greater than 10 mph.

**NOTE:** Do not apply aerially when SENCOR SOLUPAK is tank mixed with Lasco.

**FOR ALL APPLICATIONS OF SENCOR:** Sprayer must be accurately calibrated before applying SENCOR SOLUPAK. Check sprayer during application to be sure it is working properly and delivering a uniform spray pattern. As the volume of spray mixture decreases per acre, the importance of accurate calibration and uniform application increases. Avoid over application, misapplication and boom and spray swath

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overlapping that will increase spray dosage. (Crop injury may occur as a result.) Avoid spray skips and gaps which allow weeds to grow in untreated soil. Do not apply when weather conditions favor spray drift and/or when sensitive or cool season crops, such as cole crops, onions, peas, or strawberries are present in adjacent fields or in areas where wheat is growing in coarse-textured soils.

**Sprayer Cleanup:** Spray equipment must be thoroughly cleaned to remove remaining traces of herbicide that might injure other crops to be sprayed. Drain any remaining spray solution of SENCOR SOLUPAK from the spray tank and discard in non-crop areas away from water supplies. Rinse the spray tank and refill with water, adding a heavy duty detergent at the rate of one cup per 20 gallons of water. Recycle this mixture through the equipment for 5 minutes and spray out. Repeat this procedure twice. Fill the spray tank with clean water, recycle for 5 minutes and spray out. Clean pump and nozzle screens thoroughly. Wash away any spray mixture from the outside of spray tank, nozzles or spraying. All rinse water must be disposed of in compliance with local, State and Federal guidelines.

### COMMERCIAL IMPREGNATION AND APPLICATION OF SENCOR SOLUPAK ON DRY BULK FERTILIZER.

Dry bulk fertilizer may be impregnated or coated with SENCOR SOLUPAK for application to established alfalfa and soybeans. All recommendations, cautions, and special precautions on this label must be followed along with State regulations relating to dry bulk fertilizer blending, impregnating and labeling.

**Impregnation:** To impregnate, use a system consisting of a belt conveyor or closed drum which is used for dry bulk fertilizer blending. Any commonly used fertilizer can be impregnated with SENCOR SOLUPAK except ammonium nitrate, or fertilizers containing ammonium nitrate, potassium nitrate or sodium nitrate. Do not use on powder limestone.

Apply using a minimum of 200 pounds of dry bulk fertilizer per acre and up to a maximum of 450 pounds per acre. To impregnate or coat the dry bulk fertilizer with SENCOR SOLUPAK, the delivery nozzles must be directed to deliver a fine spray toward the fertilizer for thorough coverage while avoiding spray contact with mixing equipment. Uniform impregnation of SENCOR SOLUPAK to dry bulk fertilizer will vary and if the absorptivity is not adequate, an absorbent powder may be added to produce a dry free flowing mixture. Micro Cel E (Johns Mansville Product Corporation) is the recommended absorbent powder. SENCOR SOLUPAK should be pre-mixed with water to form a sprayable mixture. When another herbicide is used with SENCOR SOLUPAK, mix and impregnate immediately.

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Apply immediately after impregnation unless experience has shown that impregnated fertilizer can be stored without becoming lumpy and difficult to spread.

**Rates:** Select the recommended rate of SENCOR SOLUPAK per unit from the appropriate section of this label and refer to the instructions to determine the amount of SENCOR SOLUPAK which is to be impregnated on a ton of dry bulk fertilizer based on the amount of fertilizer which will be distributed on one acre.

100 lbs. SENCOR SOLUPAK	100 lbs. SENCOR SOLUPAK	100 lbs. SENCOR SOLUPAK
100 lbs. SENCOR SOLUPAK	100 lbs. SENCOR SOLUPAK	100 lbs. SENCOR SOLUPAK
100 lbs. SENCOR SOLUPAK	100 lbs. SENCOR SOLUPAK	100 lbs. SENCOR SOLUPAK

**Application:** Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer application equipment is essential for uniform distribution to the soil surface. The recommended method of application is to apply the recommended rate and overlap 50 percent or to double apply by splitting the broadcast to obtain the best distribution pattern.

If fertilizer materials are excessively dusty, use diesel oil or other suitable additive to reduce dust prior to impregnation as dusty fertilizer will result in poor distribution during application. Crop injury and/or poor weed control may occur where the impregnated fertilizer is not uniformly applied.

**Incorporation and Combination Uses:** When SENCOR SOLUPAK is to be used in combination with another herbicide, follow directions on this label for combination rates, crops, incorporation, and special precautions.

### SOYBEANS (EXCEPT CALIFORNIA)

SENCOR herbicide can be used as a pre-emergence herbicide for the control of weeds and grasses in soybeans. SENCOR SOLUPAK is a wettable powder which can be applied as a pre-emergence herbicide for the control of weeds and grasses in soybeans. SENCOR SOLUPAK is a wettable powder which can be applied as a pre-emergence herbicide for the control of weeds and grasses in soybeans. SENCOR SOLUPAK is a wettable powder which can be applied as a pre-emergence herbicide for the control of weeds and grasses in soybeans.

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**SPECIAL PRECAUTIONS (Soybeans)**

Injury to soybeans may occur when SENCOR SOLUPAK is used under the following conditions:

1. When soils that have a calcareous surface area or a pH of 7.5 or higher
2. Due to the sensitivity of certain soybean varieties. SENCOR is not recommended for use on Altona, AP 55, AP 71, Asgrow 6520, Burlington, Coker 102, Coker 156, Dassel, Govan, Maple Amber, NKS 1884, Paloma 350, Portage, Regal, Semmes, Terra-Vig 505, Terra Vig 606, Tracy, Vansoy and Vinton 81. Consult your Mobbay Representative or your seed supplier for information on the tolerance to SENCOR of newly released soybean varieties, prior to use of SENCOR.
3. When applied in conjunction with soil applied organic phosphate pesticides
4. Over application or boom overlapping may result in stand loss and soil residues
5. Uneven application or improper incorporation can decrease the level of weed control and/or increase the level of injury
6. When applied to any soil with less than 1% organic matter
7. Soil incorporation deeper than recommended
8. When sprayers are not calibrated accurately
9. When heavy rains occur soon after application, especially in poorly drained areas where water may stand for several days
10. When soybeans are planted less than 1 1/2" deep, particularly in preemergence application

**Activation:** A minimum amount of soil moisture is required to activate SENCOR SOLUPAK. In areas of low rainfall, preemergence applications to dry soil should be followed with light irrigation of 1/4 acre inch of water. Do not apply heavy irrigation immediately after application. As with many surface applied herbicides, weed control and crop tolerance may vary with rainfall and/or soil texture.

**Grazing and Feeding Treated Vines:** Treated vines may be grazed or fed to livestock 40 days after application when SENCOR SOLUPAK is applied alone or with Treflan<sup>®</sup>, Dual<sup>®</sup>, Prowl<sup>®</sup>, Lasso, Amben<sup>®</sup>, Gramoxone, Lasso plus Gramoxone.

Do not use treated vines for feed or forage when SENCOR SOLUPAK is applied with Surflan<sup>®</sup>, Surflan plus Gramoxone, Sonalan, Linuron plus Lasso, Linuron plus Dual.

**Rate Ranges:** Where a rate range is shown, use a lower rate on soils that are coarse-textured or low in organic matter. Use a higher rate on soils that are relatively fine textured or high in organic matter.

**Replanting:** If replanting is necessary in fields treated with SENCOR SOLUPAK as directed on this label, the field may be replanted to soybeans. When replanting, a minimum of tillage is recommended. Do not apply a second treatment as injury to soybeans may occur.

**WEEDS CONTROLLED BY SENCOR AND SENCOR TANK-MIX COMBINATIONS**

C = Control  
 S = Suppression or Erratic Control  
 (Control may range from poor to excellent)  
 P = Poor or No Control  
 • = No Information

ANNUAL BROADLEAF WEEDS	SENCOR Alone	SENCOR Split-Shot	SENCOR plus Treflan	SENCOR plus Dual	SENCOR plus Prowl	SENCOR plus Lasso	SENCOR plus Surflan	SENCOR plus Amben	SENCOR plus Gramoxone	SENCOR plus Lasso & Gramoxone	SENCOR plus Surflan & Gramoxone	SENCOR Split-Shot	SENCOR plus Sonalan	SENCOR plus Linuron plus (Lasso or Dual)
Black Nightshade (Solanum nigricorn)	P	P	P	C	P	C	S	S	P	C	P	C	P	S
Bristly Starbur (Acanthospermum hispidum)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Bullcock (Solanum rostratum)	C	C	P	P	P	P	P	P	P	P	P	P	P	•
Carpetweed (Machaete sp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Common Groundsweeper (Pennisetum sp.)	S	C	S	S	S	S	S	S	S	S	S	S	S	S

ANNUAL BROADLEAF WEEDS

	SENCOR Alone	SENCOR Split-Sow	SENCOR plus Triflora	SENCOR plus Dual	SENCOR plus Preval	SENCOR plus Lasso	SENCOR plus Sulfan	SENCOR plus Ambion	SENCOR plus Gramoxone	SENCOR plus Lasso & Gramoxone	SENCOR plus Sulfan & Gramoxone	Enriched Split-Sow	SENCOR plus Sulfan	SENCOR plus Sulfan plus Lasso or Dual
Copperleaf Hopbush ( <i>Acalypha ostryaefolia</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Florida Beggarweed ( <i>Desmodium illinoense</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Florida Pusley ( <i>Richardia scabra</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Gamboga ( <i>Gamboga</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Horseweed Marehal ( <i>Centaurea canadensis</i> )	•	•	•	•	•	•	•	•	C	C	C	C	•	•
Jimsonweed ( <i>Datura stramonium</i> )	C	C	C	C	C	C	C	S	C	C	C	C	C	S
Knawweed ( <i>Physalis</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Kuhnia ( <i>Kuhnia scopulorum</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Lambquarters ( <i>Chenopodium</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Morningglory Crystal ( <i>Ipomoea heterophylla</i> )	P	P	S	P	P	P	P	P	P	P	P	P	P	P
Morningglory Pined ( <i>Ipomoea lacunosa</i> )	P	P	S	P	P	P	P	P	P	P	P	P	P	P
Morningglory Scarletflower ( <i>Ipomoea lacunosa</i> )	P	P	C	P	P	P	P	P	P	P	P	P	P	P

Morningglory Fat ( <i>Ipomoea purpurea</i> )	P	P	S	P	P	S	P	P	P	P	P	P	P	P
Pigweeds ( <i>Amaranthus</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Pitchy Side Teaweed ( <i>Sida spinosa</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Purslane ( <i>Portulaca oleracea</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Ragweed Common ( <i>Ambrosia artemisiifolia</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Redweed ( <i>Melicope concolorata</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Russan Thistle ( <i>Salsola vermiculata</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sesbania ( <i>Sesbania</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Shepherdspurse ( <i>Capsella bursa-pastoris</i> )	C	L	C	C	C	C	C	C	C	C	C	C	C	C
Sicklepod ( <i>Cassia obtusifolia</i> )	C	C	S	C	S	C	S	C	C	S	C	S	C	S
Smartweeds ( <i>Physalis</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	S
Spotted Spurge ( <i>Euphorbia maculata</i> )	C	C	P	C	P	C	S	P	C	C	C	C	P	•
Spurred Amaranth ( <i>Amaranthus cristatus</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	•
Sunflower ( <i>Helianthus</i> spp.)	L	C	S	S	S	S	S	S	S	S	S	S	S	P
Velvetleaf ( <i>Abrus precatorius</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Vernice Marechal ( <i>Hibiscus trionum</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
W. O. Mustards ( <i>Raphanus</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C

**WEEDS CONTROLLED BY SENCOR AND SENCOR TANK-MIX COMBINATIONS**

C = Control  
 S = Suppression or Erratic Control  
 (Control may range from poor to excellent)  
 P = Poor or No Control  
 • = No Information

ANNUAL GRASSES	SENCOR Alone	SENCOR plus Sulf	SENCOR plus Treflan	SENCOR plus Dact	SENCOR plus Provi	SENCOR plus Larso	SENCOR plus Surban	SENCOR plus Preben	SENCOR plus Gramoxone	SENCOR plus Lasso & Gramoxone	SENCOR plus Surban & Gramoxone	Expanded Sulf Shot	SENCOR plus Sonatan	SENCOR plus Inuron plus (Lasso or Dact)
Barnyardgrass ( <i>Echinochloa crus-galli</i> )	S	C	C	C	C	C	C	C	C	C	C	C	C	C
Bluegrass ( <i>Poa annua</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Broadleaf Signalgrass ( <i>Brachiaria platyphylla</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Browntop Millet ( <i>Panicum maximum</i> )	C	C	C	P	L	S	C	P	C	P	C	C	C	•
Crabgrass ( <i>Pigaria</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Crownoutgrass ( <i>Dactyloctenium aegyptium</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	•
Cupgrass ( <i>Echinochloa crus-galli</i> )	P	C	P	P	P	P	P	P	P	P	P	P	C	•
Fountis ( <i>Setaria</i> spp.)	S	C	C	C	C	C	C	C	C	C	C	C	C	C
Goosegrass ( <i>Lolium rigidum</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Johnsongrass, Seeding ( <i>Sorghum halepense</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	•

Junglerice ( <i>Echinochloa cilanum</i> )	C	C	C	C	•	C	C	C	C	C	C	C	C	•
Nutsedge Yellow ( <i>Cyperus esculentus</i> )	P	P	P	C	P	P	P	P	P	P	P	P	C	•
Panicum Fall ( <i>Panicum dichotomiflorum</i> )	P	C	C	C	C	C	P	P	C	P	C	C	C	•
Panicum Texas ( <i>Panicum texanum</i> )	P	C	C	P	C	S	C	P	P	S	P	S	C	•
Red Rice ( <i>Oryza sativa</i> )	P	C	C	C	P	C	•	P	P	C	P	C	•	•
Sanchar ( <i>Cenchrus</i> spp.)	P	C	C	P	C	S	•	P	P	C	P	S	•	•
Shattercane ( <i>Sorghum bicolor</i> )	P	C	C	P	P	P	P	P	P	P	P	P	P	•
Sorghum Volunteer ( <i>Sorghum</i> spp.)	P	C	C	P	P	P	P	P	P	P	P	P	P	•
Sprangletop ( <i>Leptochloa</i> spp.)	P	C	C	P	P	•	P	P	P	P	P	P	P	•
Stinkgrass ( <i>Lolium</i> spp.)	P	C	C	P	P	•	P	P	P	P	P	P	P	•
Wheat Volunteer ( <i>Triticum</i> spp.)	P	P	P	P	P	S	P	P	C	C	P	P	•	•
Wildgrass ( <i>Panicum capillare</i> )	P	C	C	C	C	•	P	P	C	C	C	C	•	•

**SENCOR ALONE.**

**SENCOR SOLUPAK (Alone) Preemergence Application.** The following rates of SENCOR SOLUPAK may be applied preemergence to soy beans through center pivot or lateral move sprinkler irrigation systems that apply water in a uniform manner. Refer to "Irrigation" section of this label for directions.

SENCOR SOLUPAK can be applied broadcast or banded. This application may be made during planting or as a separate operation after planting but before crop emergence. See the "GENERAL INFORMATION" section in the front of this label.

Do not apply to sand soils, or to sandy loam or loamy sand soils containing less than 2% organic matter. Do not incorporate into soil or apply more than once per season.

POUNDS OF SENCOR SOLUPAK PER ACRE	ORGANIC MATTER		
	Less than 2%	2 to 4%	Over 4%
<b>COARSE SOILS</b> (Sandy loam, loamy sand)	DO NOT USE <sup>1</sup>	1	2
<b>MEDIUM SOILS<sup>2</sup></b> (Loam, silt loam, silty sandy clay, sandy clay loam)	1 to 1.5	2 to 3	3 to 4
<b>FINE SOILS<sup>3</sup></b> (Silty clay, silty clay loam, clay, clay loam)	1.5 to 2	3 to 4	4 to 5
Mississippi Delta Only	1	1.5	2

<sup>1</sup> For control of lambsquarters, redroot pigweed and wild mustard, and for suppression of green, yellow and giant foxtails on alkaline (sodic) soils in Nebraska, Minnesota, South Dakota and North Dakota only, apply SENCOR SOLUPAK at rates of 1/2 pound/acre on medium soils and 1/3 to 1/2 pound/acre on the soils regardless of soil organic matter percentage (use 1/2 pound/acre where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pound/acre rate of SENCOR SOLUPAK also can be applied regardless of soil pH. For control of other weeds listed on the label, use SENCOR SOLUPAK at full rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

<sup>2</sup> Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the U.S.

<sup>3</sup> Refer to the appropriate section of this label for use of SENCOR SOLUPAK on soybeans in coarse soils with 0.5% and more organic matter in the states.

### USES OF SENCOR IN COMBINATIONS WITH OTHER HERBICIDES

#### SEQUENTIAL APPLICATION OF SCEPTER FOLLOWING SENCOR:

If needed, application of SENCOR alone or in a registered tank mix according to directions on this label, may be followed by an early postemergence application of Scepter herbicide (1.5 lb/gal liquid or 70 DG) for control of cocklebur. Apply 1.6 to 1.3 pint of Scepter (0.7 to 1.4 ounces of Scepter 70 DG) in a minimum of 20 gallons of water per acre. Use 1.6 pint of Scepter (0.7 ounce of Scepter 70 DG) if cockleburs are less than 3 inches tall or have fewer than 3 leaves and are actively growing. For cockleburs less than 6 inches tall and actively growing use

1.3 pint of Scepter (1.4 ounces of Scepter 70 DG) per acre. Do not use Scepter when soybeans or cockleburs have been subjected to stress conditions such as temperature or moisture extremes. Do not exceed a total of 2.3 pint of Scepter (2.8 ounces of Scepter 70 DG) per acre in one season. Wait at least 10 days after application of Scepter before cultivating.

When preparing the spray mixture with Scepter, add 2 pints of nonionic surfactant approved for use on growing crops and containing at least 80% active ingredient per 100 gallons of mixture. Apply crop oil concentrate (COC) at the rate specified on the COC label.

Use Scepter only in the states where it is registered as listed on the product label.

Apply Scepter at least 90 days before harvest of soybeans. Do not graze or feed soybean forage, hay or straw to livestock.

Refer to the Scepter label for additional cautions and precautions, directions, limitations, and information on environmental hazards and planting of rotational crops.

#### SPLIT-SHOT APPLICATION

A preplant incorporated application of SENCOR SOLUPAK tank mixed with either Trellan, Lasso, Dual, Prowl or Sonalan and followed by a preemergence surface application of SENCOR SOLUPAK alone after planting but prior to soybean emergence, will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Refer to the Trellan, Lasso, Dual, Prowl or Sonalan labels, and to appropriate sections of this label for directions on soil preparation, herbicide application, incorporation techniques, herbicide rates, weed species controlled, and restrictions for using tank mix combinations of SENCOR SOLUPAK. Carefully observe the "Special Precautions" section concerning the use of SENCOR in tank mix combinations on soybeans.

When a Split Shot application of SENCOR SOLUPAK with Prowl, Trellan or Sonalan is used, the preplant incorporated tank mix may be applied up to 21 days prior to planting soybeans, with Dual or Lasso, the preplant incorporated tank mix may be applied up to 14 days prior to planting.

On medium and fine textured soils with greater than 2% organic matter, a rate range is recommended for the SENCOR SOLUPAK preemergence overlay application. The higher rate should be used (a) in fields with a history of severe broadleaf weed pressure, (b) when the time between preplant incorporated tank mix and preemergence overlay applications approaches the maximum stated above, and (c) when the organic matter content of the soil is at the upper end of the mid rated range.

For black nightshade control refer to the appropriate sections of the Lasso, Dual or Sonalan labels for specific instructions.

**SPLIT-SHOT APPLICATION**

SOIL TEXTURE <sup>1</sup>	Rate of Combination Product	Rate of SENCOR SOLUPAK pounds/acre	Preemergence	
			Preplant Incorporated Tank Mix Application	Overlay Application
COARSE (Light Sandy loamy sand Sandy loam)	Lasso 2 1/2 qt Dual 1 1/2 qt	Less than 2% <sup>2</sup>	2 to 4% <sup>3</sup>	Over 4% <sup>3</sup>
	Pro 1 qt			
	Sen 2 1/2 qt			
MEDIUM (Loam Sandy clay loam Sandy clay)	Lasso 2 1/2 qt Dual 1 1/2 qt			
	Pro 1 qt			
	Sen 2 1/2 qt			
FINE (Sandy clay loam Clay loam Sandy clay)	Lasso 2 1/2 qt Dual 1 1/2 qt			
	Pro 1 qt			
	Sen 2 1/2 qt			

<sup>1</sup> Clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

- <sup>1</sup> On coarse-textured soils do not use on sand soils with less than 1% organic matter or on loamy sand or sandy loam soils with less than 0.5% organic matter. However, on coarse textured soils with a calcareous surface area or a pH of 7.5 or higher, do not use on sand soils with less than 2% organic matter or on loamy sand or sandy loam soils with less than 1% organic matter.
- <sup>2</sup> Use this lower rate of SENCOR SOLUPAK in the preplant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content.
- <sup>3</sup> Reduce this preemergence overlay rate of SENCOR SOLUPAK by 1/2 pound/acre when using SPLIT SHOT application on soils with over 4% organic matter and which have a calcareous surface area or a pH of 7.5 or higher.

**EXTENDED SPLIT-SHOT APPLICATION**

(Includes No-Till, Reduced-Till, Ridge-Till, Strip-Till, Mutch-Till)

An early preplant (surface applied or shallow incorporated) application of SENCOR SOLUPAK tank mixed with either Dual or Lasso, followed by a preemergence surface application of SENCOR tank mixed with Dual or Lasso after planting but prior to soybean emergence will control more broadleaf and grass weeds in soybeans than either herbicide used alone.

An Extended Split-Shot application will decrease the need for tillage and/or contact herbicides for the control of existing vegetation prior to planting, while providing residual control of weeds after planting.

When an Extended Split-Shot application of SENCOR SOLUPAK with Dual or Lasso is used, the preplant tank mix combination may be applied 15 to 30 days prior to planting soybeans. Follow directions on the label accompanying the product for Split-Shot applications from 0 to 14 days before planting.

Where a rate range is recommended, the higher rates should be used (a) in fields with a history of severe weed pressure, (b) when the time between early preplant tank mix and preemergence overlay applications approaches the maximum 30 days, (c) when the organic matter content of the soils at the upper end of the indicated range, (d) when heavy crop residues are present on the soil surface and/or (e) when the early preplant tank mix application is shallow incorporated (e.g. use 2 to 2 1/2 qts Lasso in the early preplant tank mix when surface applied and use 2 1/2 to 3 qts Lasso when the tank mix is to be lightly incorporated).

When weeds exceed 1 to 1 1/2 inches in height or diameter at application use a contact herbicide, such as Round Up<sup>®</sup> or Gramoxone.

Refer to the Dual or Lasso label and to appropriate sections of this label for additional information on soil preparation, herbicide application, weeds controlled, precautions, restrictions, limitations and sprayer clean up.

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## EXTENDED SPLIT-SHOT APPLICATION

SOIL TEXTURE <sup>1</sup>	Early Preplant Tank Mix Application (Soybean, Corn or Maize)		Followed by	Preemergence Overlay Application	
	Rate of SENCOR SOLUPAK Pounds/acre	Rate of SENCOR SOLUPAK Pounds/acre		Rate of SENCOR SOLUPAK Pounds/acre	Rate of SENCOR SOLUPAK Pounds/acre
<b>COARSE<sup>2</sup></b> (Sandy loam, loamy sand)	0.5 to 1.0	1.0 to 2.0	Followed by LASSO 1.2 G	1.0 to 2.0	1.0 to 2.0
<b>MEDIUM<sup>3</sup></b> (Loam, silt loam, silty clay loam)	0.5 to 1.0	1.0 to 2.0	Followed by LASSO 1.2 G	1.0 to 2.0	1.0 to 2.0
<b>FINE<sup>4</sup></b> (Silty clay, silty clay loam, clay, clay loam)	0.5 to 1.0	1.0 to 2.0	Followed by LASSO 1.2 G	1.0 to 2.0	1.0 to 2.0

<sup>1</sup> Soy clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.  
<sup>2</sup> Do not use on coarse soils with less than 1% organic matter. However, on coarse textured soils with a calcareous surface area of 2% or higher, do not use on sandy soils with less than 2% organic matter, or on silty sand or sandy loam soils with less than 1% organic matter.  
<sup>3</sup> Use the lower rate of SENCOR SOLUPAK in the early preplant tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and avoid rate reductions where soils within a field vary extremely in texture or organic matter content.

## SENCOR PLUS SONALAN

### SENCOR PLUS SONALAN OVERLAY APPLICATION

SENCOR SOLUPAK may be applied as a preemergence overlay application following a preplant incorporated application of Sonalan 3 EC. Consult the Sonalan label for specific directions on use, recommendations, restrictions and any additional weeds not specified on this label.

### SENCOR PLUS SONALAN TANK MIX APPLICATION

Incorporate the tank mixture into the top 1 to 2 inches of soil within 21 days before planting according to label directions for Sonalan. Apply SENCOR SOLUPAK plus Sonalan preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

**Mixing:** Refer to the "General Information" section in the front of this label.

**Application:** Sonalan should be uniformly applied and thoroughly mixed into the soil within 2 days after application. For specific application information, refer to "Application" under the "General Information" section in the front of this label.

### BROADCAST RATES:

Soil Texture	SENCOR SOLUPAK lb/acre	Sonalan 3 EC pts/acre
<b>COARSE<sup>1</sup></b> (Sandy loam, loamy sand)	1.0	1.0-2.0
<b>MEDIUM<sup>2</sup></b> (Loam, silt loam, silty clay loam)	1.0	1.0-2.0
<b>FINE<sup>3</sup></b> (Silty clay, silty clay loam, clay, clay loam)	1.0	2.0-3.0

<sup>1</sup> Do not use on coarse soils with less than 1% organic matter.  
<sup>2</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.  
<sup>3</sup> For control of lambsquarters, redroot pigweed, wild mustard and green and yellow foxtails on alkaline (calcareous) soils in Mesosola, Nebraska, South Dakota and North Dakota only apply SENCOR SOLUPAK at rates of 1.0 pound/acre on medium soils and 1.5 to 2.0 pound/acre on the soils regardless of soil organic matter percentage (use 2.0 pound/acre where soil pH is less than 7.5 and seed pressure is heavy). The 1.0 pound rate of SENCOR SOLUPAK in tank mix combination with Sonalan can be applied regardless of soil pH. For control of other weeds listed on the label use SENCOR SOLUPAK at the rates recommended in the table above. But note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

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**Special Precautions (SENCOR plus Sonalan):** For additional precautions, restrictions, limitations, incorporation, and sprayer clean-up information, refer to the appropriate sections of this label and the Sonalan label.

For black nightshade control, refer to the Sonalan label for specific rates and application instructions.

**SENCOR PLUS TREFLAN**

**SENCOR PLUS TREFLAN OVERLAY APPLICATION**

SENCOR SOLUPAK may be applied as a preemergence broadcast or band overlay application following a preplant incorporated treatment of Treflan. Consult the Treflan label for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

**SENCOR PLUS TREFLAN TANK MIX APPLICATION:** A single application of a tank mix combination of SENCOR SOLUPAK and Treflan EC will control more broadleaf and grass weeds in soybeans than when either herbicide is used alone.

Prepare the soil surface by deep plowing, offset disking or tandem disking prior to the application of the herbicide combination. The soil surface should be well prepared and free of clods and trash.

This SENCOR SOLUPAK plus Treflan tank mix combination may be applied and incorporated into the soil up to 10 days before planting.

**Mixing:** Refer to the "General Information" section in the front of this label.

**Application:** For specific application information refer to the "GENERAL INFORMATION" section in the front of this label.

Apply SENCOR SOLUPAK plus Treflan to the soil surface and incorporate in the same operation, if possible. Variable weed control may result from delayed incorporation if SENCOR SOLUPAK plus Treflan are applied to a wet, warm soil surface or if the wind velocity is 10 miles per hour or higher. Use machinery that mixes SENCOR SOLUPAK plus Treflan thoroughly with the soil. Incorporation may be delayed up to 24 hours after application. Shallow incorporation with implements set to cut less than 2 inches deep may result in erratic weed control. Do not use spike or spring tooth harrows alone for incorporation.

**RECOMMENDED APPLICATIONS**  
**SENCOR plus Treflan Tank Mix**  
**(Broadcast Rates)**

SOIL TEXTURE	SENCOR SOLUPAK Pounds per Acre	Treflan EC Pints per Acre
COARSE* (Sandy loam, sandy clay loam)	1	1
MEDIUM (Loam, silt loam, silty sandy clay loam, silty clay loam)	2	1
FINE (Silty clay loam, silty clay, heavy silty clay loam)	3	2

\* Do not use on some soils with excessive organic matter.  
 † Sulfur can be a soil translocator in some soils, especially in the Southeastern U.S. in some regions of the U.S.  
 ‡ For control of ambrosia, redtop, pigweed, wild radish and green eye, a 1/2 bushel or more of calcium sulfate (Epsom salt) per acre is recommended. In North Dakota only, use SENCOR SOLUPAK at rates of 1/2 pound per acre on soil and 1/2 to 1/3 pound per acre on the soil, regardless of soil organic matter percentage (use 1/2 pound only where soil pH is less than 7.5 and acid stress is nearby). The 1/2 pound rate of SENCOR SOLUPAK in a tank mix combination with Treflan can be applied regardless of soil pH. For control of other weeds listed, use the above SENCOR SOLUPAK application rates in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

**Incorporation Equipment:**

1. Set PTO driven equipment (hills, cultivators, hoes) to cut 2 to 3 inches deep and space rotors to provide a clean sweep of the soil. PTO equipment should not be operated at a speed greater than 4 miles per hour.
2. Set disk to cut 4 to 6 inches deep and operate twice in different directions at 4 to 6 miles per hour.
3. Set mulch treader and other similar disk type implements to cut 3 to 4 inches deep and operate twice in different directions at 5 to 8 miles per hour.

**For Coarse- and Medium-Textured Soils Only:**

4. Set rolling cultivator to cut 2 to 4 inches deep and operate twice at 6 to 8 miles per hour. Set bed conditioner (Do All) to cut 2 to 4 inches deep and operate at 4 to 6 miles per hour.

**SPECIAL PRECAUTIONS (SENCOR plus Treflan):** Seeding disease, cold weather, excessive moisture, high salt concentration or drought may weaken soybean seedlings and increase possibility of damage from the tank mix. Do not plant soybeans deeper than 2 inches.

In the Central United States, do not plant sorghum or oats for 12 months where the tank mix has been applied unless 20 inches or more of irrigation and/or rainfall (total) was used to produce the crop. If less than 20 inches total water was used to produce the crop during the year,

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do not plant either crop for 18 months after the tank mix application. Cool wet weather conditions during the early stage of growth may increase the possibility of injury to sorghum.

For additional precautions, restrictions, limitations and sprayer cleanup information refer to the appropriate section of this label. Do not use this tank mix combination on soils containing charcoal in Arkansas, Louisiana and Mississippi.

**SENCOR PLUS DUAL.**

**SENCOR PLUS DUAL OVERLAY APPLICATION**

Apply a preplant incorporated treatment of Dual BE as directed on that product label for use on soybeans. Follow with a preemergence treatment of SENCOR SOLUPAK as directed on this label for use on soybeans.

**SENCOR PLUS DUAL TANK MIX APPLICATIONS**

**Preplant Incorporated Application:** Incorporate the tank mixture into the top 2 inches of soil within 14 days before planting using a disk, narrow, rolling cultivator, or similar implement.

Apply SENCOR SOLUPAK plus Dual preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation.

**Preemergence Application:** Dry weather following preemergence application of SENCOR SOLUPAK plus Dual tank mixture may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tillage equipment such as a rotary hoe that will not damage soybeans.

**Mixing Instructions:** Refer to the "General Information" section on the front of this label.

**RECOMMENDED APPLICATIONS**

**SENCOR plus Dual Tank Mix**

**Preemergence Application**

**(Broadcast Rates)**

SOIL TEXTURE	ORGANIC MATTER			
	0.5% to 3%		Over 3%	
	SENCOR SOLUPAK Pounds/Acre	Dual BE Pints/Acre	SENCOR SOLUPAK Pounds/Acre	Dual BE Pints/Acre
<b>COARSE*</b> (Loamy sand sandy loam)	1 1/2	1 1/2	2	2
<b>MEDIUM</b> (loam silt loam, silt)	2	1 1/2	2	2
<b>FINE</b> (Silty clay loam <sup>†</sup> sandy clay loam silty clay, sandy clay clay loam, clay)	2 1/2	2	2 to 3	2 to 2
<b>Mississippi Delta Only</b> (Silty clay, clay)	1	2	1	2 1/2

\* Do not use on sand soils. Do not apply SENCOR SOLUPAK plus Dual tank mix preemergence on loamy sand with less than 2% organic matter.

† Silty clay loam soils are transitional soils and may be classified as medium or fine soils in some regions of the U.S.

**RECOMMENDED APPLICATIONS**

**SENCOR plus Dual Tank Mix**

**Preplant Incorporated Application**

**(Broadcast Rates)**

SOIL TEXTURE	ORGANIC MATTER			
	0.5% to less than 3%		3% or greater	
	SENCOR SOLUPAK Pounds/Acre	Dual BE Pints/Acre	SENCOR SOLUPAK Pounds/Acre	Dual BE Pints/Acre
<b>COARSE*</b> (Loamy sand sandy loam)	1 1/2	1 1/2	2	2
<b>MEDIUM</b> (loam silt loam, silt)	2	1 1/2	2	2
<b>FINE</b> (Silty clay loam <sup>†</sup> sandy clay loam silty clay, sandy clay clay loam, clay)	2 1/2	2	2 to 3	2 to 2
<b>Mississippi Delta Only</b> (Silty clay, clay)	1 to 1 1/2	2	1 to 1 1/2	2 to 2 1/2

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\* Do not use on sand soils. Do not apply SENCOR SOLUPAK plus Dual tank mix preplant incorporated on sand or loamy sand with less than 2% organic matter or crop injury may occur.

† Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**SPECIAL PRECAUTIONS (SENCOR plus Dual):** For additional precautions, restrictions, limitations, and sprayer cleanup information refer to the appropriate sections of this label and the Dual label.

## SENCOR PLUS PROWL

### SENCOR PLUS PROWL OVERLAY APPLICATION

Apply a preplant incorporated treatment of Prowl as directed on that product label for use on soybeans. Follow with a preemergence treatment of SENCOR SOLUPAK as directed on this label for use on soybeans.

### SENCOR PLUS PROWL TANK MIX APPLICATION

**Preplant Incorporated Application:** Prepare the soil by plowing or disking to mix previous crop residues into the soil to a depth of 4 to 6 inches.

For specific application information refer to the "General Information" section in the front of this label.

Incorporate the tank mixture into the top 1 or 2 inches of soil within 7 days after application according to label directions for Prowl. Mechanical incorporation is not required if a rain of one quarter inch or more occurs within 7 days after application. Soybeans must be planted no later than 7 days after application of the tank mixture.

**Preemergence Application:** Except for minimum and no tillage systems, the seed bed should be firm and free of trash and clods.

For specific application information refer to the "General Information" section in the front of this label. Do not apply Prowl preemergence north of Interstate 80.

This application must be made after planting and before crop emergence. Do not incorporate.

If cultivation is necessary because of soil crusting, soil compaction or weed germination before rain or irrigation, use shallow tilling equipment such as a rotary hoe that does not damage soybeans.

**Mixing Instructions:** Refer to the "General Information" section in the front of this label.

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### SOUTHERN STATES AND EASTERN COASTAL PLAINS

For use only in Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, Southeastern Missouri, "Boothee" Region and Coastal Plains of Delaware, Maryland, New Jersey, and Virginia.

\* SENCOR plus Prowl is not recommended for use on soils with less than 2% organic matter in the Coastal Plain of New Jersey or the Delmarva Peninsula.

### RECOMMENDED APPLICATIONS

#### SENCOR plus Prowl Tank Mix (Broadcast Rates)

SOIL TEXTURE	SENCOR SOLUPAK Pounds/Acre	Prowl Pints/Acre
COARSE* (Sandy loam, loamy sand)		1
MEDIUM (Loam, silty loam, sandy clay)		1
FINE (Silty clay, silty clay loam, clay, clay loam)		1 to 2

\* Do not use on sand soils. Do not apply SENCOR SOLUPAK plus Dual tank mix on sand soils with less than 2% organic matter.

† Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Do not use on muck or peat soils.

### NORTHEASTERN AND NORTH CENTRAL STATES

For use only in Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, North Dakota, Ohio, Pennsylvania, South Dakota, Wisconsin and Missouri (except the "Boothee" Region).

### RECOMMENDED APPLICATIONS

#### SENCOR plus Prowl Tank Mix (Broadcast Rates)

SOIL TEXTURE	ORGANIC MATTER			
	1% to 3%		Over 3%	
	SENCOR SOLUPAK Pounds/Acre	Prowl Pints/Acre	SENCOR SOLUPAK Pounds/Acre	Prowl Pints/Acre
COARSE* (Sandy loam, loamy sand)	1	1	1	1
MEDIUM (Loam, silty loam, sandy clay, sandy clay loam)	1	1 to 2	1	1 to 2
FINE (Silty clay, silty clay loam, clay, clay loam)	1	1 to 2	1	2 to 3

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\* Do not use on sand soils. Do not use on loamy sand or sandy loam containing less than 1% organic matter. Where a range of rates is shown for medium and fine soils, use the higher rate if heavy weed infestations are anticipated.  
 \* Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.  
 Do not use on muck or peat soils.

**SPECIAL PRECAUTIONS (SENCOR Plus Prowl):** Soil incorporation deeper than recommended will reduce weed control and can result in crop injury.  
 For additional precautions, restrictions, limitations and sprayer cleanup information refer to the appropriate sections of this label and the Prowl label.

**SENCOR PLUS LASSO**  
**SENCOR PLUS LASSO TANK MIX APPLICATION**

**Preemergence:** SENCOR SOLUPAK may be used in a tank mix combination with Lasso as a preemergence band or broadcast application to soybeans in accordance with the specified soil types and dosages recommended.

For specific information regarding spray equipment, dilution rates, mixing directions for use, methods of application, limitations and restrictions refer to the appropriate section of this label.

Refer to the Lasso label for pertinent recommendations, directions for use, restrictions and any additional weeds not specified on this label.

**RECOMMENDED APPLICATIONS: SENCOR plus Lasso Tank Mix Preemergence Applications (Broadcast Rates)**

SOIL TEXTURE	1/2 to 3% Organic Matter		Greater than 3% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	Lasso Ots./Acre	SENCOR SOLUPAK Lbs./Acre	Lasso Ots./Acre
<b>COARSE*</b> (Sandy loam)	1.0	1.0 to 2.0	1.0	1.0 to 2.0
<b>MEDIUM*</b> (Loam, silty loam, silty sandy clay, sandy clay loam)	1.0	1.0 to 2.0	1.0	1.0 to 2.0
<b>FINE*</b> (Silty clay, silty clay loam, clay loam)	1.0	1.0 to 2.0	1.0	1.0 to 2.0
<b>Mississippi Delta Only</b> (Silty clay to heavy clay)	SENCOR SOLUPAK Lbs./Acre + Lasso Ots./Acre 1.0 + 1.0 to 2.0			

\* Do not use SENCOR SOLUPAK plus Lasso on sand or sandy loam soils with less than 2% organic matter.

\* For control of legume perennials, apply preemergence with mounds of soil. Apply in a furrow on and near the erect stems. In Minnesota, Michigan, South Dakota and North Dakota, apply SENCOR SOLUPAK at rates of 1.0 pounds active ingredient per acre on soils and 1.0 to 2.0 quarts Lasso per acre on the soils, regardless of soil texture. In other regions, use 1.0 pound active ingredient per acre on soils with 1% to 3% organic matter. Heavy weeds may be controlled with a tank mix application of SENCOR SOLUPAK plus Lasso. The broadcast application of SENCOR SOLUPAK in tank mix application with Lasso can be applied regardless of soil pH. For control of other weeds, use SENCOR SOLUPAK at the rates recommended in the table above. But note that crop injury may occur on soils having a calcareous surface area of a pH of 7.5 or higher.

\* Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.  
 Do not use on muck soils.

**Preplant Incorporated:** For specific application information refer to the General Information section in the front of this label.

Apply the tank mix preplant incorporated if furrow irrigation is used or when a period of dry weather after application is expected. If soybeans are planted on beds, apply and incorporate the tank mixture after bed formation. Apply within 7 days prior to planting and shallowly incorporate into the upper 1 to 2 inches of soil.

**RECOMMENDED APPLICATIONS: SENCOR plus Lasso Tank Mix Preplant Incorporated Applications (Broadcast Rates)**

SOIL TEXTURE	SENCOR SOLUPAK Pounds/Acre	Lasso Quarts/Acre
<b>COARSE*</b> (Loam, sand, silty loam, organic matter, sandy)	1.0	2.0 to 2.0
<b>MEDIUM*</b> (Loam, silty loam, silty)	1.0	2.0 to 2.0
<b>FINE*</b> (Silty clay, loam, silty clay, silty clay loam, sandy clay, clay loam, clay)	1.0	2.0 to 2.0
<b>Mississippi Delta Only</b> (Silty clay, clay)	1.0 to 1.0	2.0 to 2.0

\* Do not use SENCOR SOLUPAK plus Lasso on sand or sandy loam soils with less than 2% organic matter.

\* Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.  
 Do not use on muck soils.

**SPECIAL PRECAUTIONS (SENCOR plus Lasso):** For additional precautions, restrictions, limitations and sprayer cleanup information refer to the appropriate sections of this label and the Lasso label.



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**RECOMMENDED APPLICATIONS**  
**SENCOR plus Command Tank Mix Preplant Incorporated**  
**(Broadcast Rates)**

SOIL TEXTURE <sup>1</sup>	0.5 to 3% Organic Matter		Over 3% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	Command 4 EC Pts./Acre	SENCOR SOLUPAK Lbs./Acre	Command 4 EC Pts./Acre
<b>COARSE<sup>2</sup></b> (Sandy loam loamy sand)	1 1/2	1 1/2 to 2	1 1/2	1 1/2 to 2
<b>MEDIUM</b> (Loam, silty loam silt sandy clay sandy clay loam)	1 1/2 to 1 3/4	1 1/2 to 2	1 1/2 to 1 3/4	1 1/2 to 2
<b>FINE</b> (Silty clay, silty clay loam, clay, clay loam)	1 1/2 to 1 3/4	1 1/2 to 2	1 1/2 to 1 3/4	1 1/2 to 2

<sup>1</sup> Crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

<sup>2</sup> Do not use on coarse soils with less than 1% organic matter.

<sup>3</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**SPECIAL PRECAUTIONS (SENCOR plus Command):** Do not rotate to wheat, oats, barley, rye, alfalfa or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur.

Do not apply when weather conditions favor drift.  
 Do not use treated vines for feed or forage.  
 Observe all cautions and limitations on labeling of all products used in mixtures.  
 Do not apply aerially or through irrigation equipment.

**SENCOR PLUS CANOPY<sup>®</sup> PLUS A  
 GRASS HERBICIDE**

A tank mix combination of SENCOR SOLUPAK plus Canopy 75 DF plus <sup>®</sup> registered and recommended grass herbicide (Dual, Lasso Pro, Sonalan or Treflan) is recommended for control of the following weeds in soybeans.

**Weeds Controlled:**

- |                       |                         |
|-----------------------|-------------------------|
| <b>Annual Grasses</b> |                         |
| Barnyardgrass         | Johnsongrass (seedling) |
| Bluegrass             | Junglerice              |
| Broadleaf signalgrass | Panicum, Fall           |
| Browntop Millet       | Panicum, Texas          |
| Crabgrass             | Sandbur                 |
| Crowfootgrass         | Sprangletop             |
| Foxtails              | Stinkgrass              |
| Goosegrass            |                         |

- |                           |                      |
|---------------------------|----------------------|
| <b>Annual Broadleaves</b> |                      |
| Bristly Starbur           | Prickly Sida/Teaweed |
| Carpetweed                | Purslane             |
| Cocklebur                 | Ragweed, Common      |
| Copperleaf, Hophornbeam   | Redweed              |
| Florida Beggarweed        | Russian Thistle      |
| Florida Parsley           | Sesbania             |
| Galinsoga                 | Shepherdspurse       |
| Jimsonweed                | Smartweed            |
| Knotweed                  | Spurred Anoda        |
| Kochia                    | Velvetleaf           |
| Lambsquarters             | Vence mallow         |
| Pigweed                   | Wild mustard         |

Tank mix combinations which include Dual, Lasso or Prowl may be applied preemergence broadcast or preplant incorporated broadcast. When Sonalan or Treflan are used in the tank mix, apply preplant incorporated broadcast. Refer to the table below for recommended rates of each product to be used in tank mix combinations.

**RECOMMENDED APPLICATIONS**  
**SENCOR SOLUPAK PLUS CANOPY 75 DF PLUS**  
**A GRASS HERBICIDE**  
**(Broadcast Rates)**

- |                       |                       |
|-----------------------|-----------------------|
| A = Treflan (pt/acre) | D = Lasso (qt/acre)   |
| B = Dual (pt/acre)    | E = Sonalan (pt/acre) |
| C = Prowl (pt/acre)   |                       |

Soil <sup>1</sup> Texture	SENCOR SOLUPAK (lbs/acre)					Canopy DF (oz/Acre)
	A	B	C	D	E	
<b>COARSE<sup>2</sup></b>	1 1/2	1 1/2	1 1/2 to 2	1 1/2	1 1/2 to 2	1
<b>MEDIUM</b>	1 1/2 to 1 3/4	1 1/2 to 1 3/4	1 1/2 to 2	1 1/2 to 1 3/4	1 1/2 to 2	1
<b>FINE</b>	1 1/2 to 1 3/4	1 1/2 to 1 3/4	1 1/2 to 2	1 1/2 to 1 3/4	1 1/2 to 2	1

<sup>1</sup> Do not use on soils with less than 1% organic matter.

<sup>2</sup> Refer to Soil Texture Table on this label for specific soil texture classification. Use the appropriate SENCOR SOLUPAK preplant incorporated broadcast rate for the soil texture determined from the Soil Texture Table.

Refer to the General Information section of this label for mixing and application directions.

**IMPORTANT:** If weeds escape in fields treated with these tank mix combinations, postemergence application of a registered and recommended herbicide will be needed for control.

**SPECIAL PRECAUTIONS:** For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of the labels for SENCOR SOLUPAK and Canopy 75 DF.

Observe all cautions and limitations on labeling of all products used in mixtures.

Do not use treated vines or feed or forage.

### SENCOR PLUS COMMAND PLUS A GRASS HERBICIDE

SENCOR SOLUPAK may be applied with Command 4EC and a grass herbicide (Treflan, Lasso, Dual, Prowl or Sonalan) for the control of certain broadleaf weeds and grasses in soybeans. This combination will provide improved control of heavy infestations of velvetleaf, jimsonweed and common ragweed. SENCOR SOLUPAK and Command 4EC plus a grass herbicide may be applied preplant incorporated broadcast. Consult the Command, Treflan, Lasso, Dual, Prowl or Sonalan labels for specific directions for use, recommendations, restrictions and additional weeds controlled not specified on this label.

**Mixing:** Refer to the "General Information" section in the front of this label.

**Application:** For specific application information refer to the "General Information" section in the front of this label.

**Weeds Controlled:**

	<b>Annual Grasses</b>
Barnyardgrass	Foxtails
Bluegrass	Goosegrass
Broadleaf signalgrass	Johnsongrass (seedling)
Browntop millet	Panicum, Fall
Crabgrass	Witchgrass
Crowfootgrass	
	<b>Annual Broadleaves</b>
Bristly Starbur	Ragweed, Common
Carpetweed	Redweed
Copperleaf, Hophornbeam	Russian Thistle
Florida Beggarweed	Sesbania
Florida Pusley	Shepherdspurse
Galinsoga	Sicklepod
Jimsonweed	Smartweeds
Knotweed	Spotted spurge
Kochia	Spurred Anoda
Lambsquarters	Velvetleaf
Pigweeds	Vernice mallow
Prickly Sida/Teaweed	Wild mustards
Purslane	

SENCOR SOLUPAK and Command plus Treflan, Lasso, Dual, Prowl or Sonalan will suppress (reduce the competition) of cocklebur and sunflower.

#### RECOMMENDED APPLICATIONS SENCOR plus Command plus a Grass Herbicide (Broadcast Rates)

A - Treflan (pt/acre)	D - Lasso (qt/acre)
B - Dual (pt/acre)	E - Sonalan (pt/acre)
C - Prowl (pt/acre)	

Soil Texture	SENCOR SOLUPAK (lb/acre)					Command 4 EC <sup>1</sup> (pts/acre)
	A	B	C	D	E	
COARSE						
MEDIUM						
FINE						

<sup>1</sup>Refer to the "Soil pH" paragraph on this label for specific instructions. For broadcast applications with a calcareous surface area or a pH of 7.5 or higher, the recommended rate of SENCOR SOLUPAK is 1.0 lb/acre. For broadcast applications with a calcareous surface area or a pH of 7.5 or higher, the recommended rate of SENCOR SOLUPAK is 1.0 lb/acre. For broadcast applications on soils having a calcareous surface area or a pH of 7.5 or higher, the recommended rate of SENCOR SOLUPAK is 1.0 lb/acre. For broadcast applications on soils having a calcareous surface area or a pH of 7.5 or higher, the recommended rate of SENCOR SOLUPAK is 1.0 lb/acre.

### SENCOR PLUS COMMENCE<sup>®</sup>

#### SENCOR PLUS COMMENCE TANK MIX EARLY PREPLANT INCORPORATED

SENCOR SOLUPAK in a tank mix with Commence 575 EC may be applied broadcast preplant incorporated up to 30 days before planting soybeans for the control of certain broadleaf weeds and grasses. Refer to the Commence herbicide label for additional directions for use, weeds controlled, recommendations, restrictions and limitations not specified on this label.

**Mixing:** Refer to the "General Information" section on this label.

**Application:** For information on applying SENCOR SOLUPAK, refer to the "General Information" section on this label.

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**RECOMMENDED APPLICATIONS**  
**SENCOR Plus Commence Tank Mix**  
**Early Preplant Incorporated Application\***  
**(Broadcast Rates)**

SOIL TEXTURE	1/2 to 3% Organic Matter		Over 3% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	Commence 5 25 EC Pts./Acre	SENCOR SOLUPAK Lbs./Acre	Commence 5 25 EC Pts./Acre
COARSE <sup>†</sup>	1	1 1/2 to 2	1	1 1/2 to 2
MEDIUM	1	2 to 2 1/2	1	2 to 2 1/2
FINE	1	2 1/2	1	2 1/2

\* For use on soils with a pH of 7.5 or lower.

† Do not use on coarse soils with less than 1% organic matter.

**RESTRICTIONS AND LIMITATIONS:**

Do not apply aerially or through irrigation equipment.  
 Do not apply when weather conditions favor drift.  
 Do not allow sprays to drift on to adjacent desirable plants.  
 Do not use treated vines for feed or forage.  
 Do not rotate to wheat, oats, barley, rye, alfalfa or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur.  
 Observe all cautions and limitations on the labeling of all products used in mixtures.

**SENCOR PLUS COMMENCE TANK MIX PREPLANT INCORPORATED**  
 SENCOR SOLUPAK may be tank mixed with Commence 5 25 EC for preplant incorporated application to control certain weeds in soybeans. Refer to the "General Information" section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by SENCOR SOLUPAK. See appropriate sections of the Commence 5 25 EC herbicide label for additional precautionary statements, directions for use, recommendations, restrictions and additional weeds controlled.

**RECOMMENDED APPLICATIONS**  
**SENCOR Plus Commence Tank Mix Preplant**  
**Incorporated Application**  
**(Broadcast Rates)**

SOIL TEXTURE*	1/2 to 3% Organic Matter		Over 3% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	Commence 5 25 EC Pts./Acre	SENCOR SOLUPAK Lbs./Acre	Commence 5 25 EC Pts./Acre
COARSE <sup>†</sup> (Sandy loam, loamy sand)	1	1 1/2 to 2	1	1 1/2 to 2
MEDIUM (Loam, silty loam, silt, sandy clay, sandy clay loam)	1 to 1 1/2	2 to 2 1/2	1	2 to 2 1/2
FINE (Silty clay, silty clay, loam, clay, clay loam)	1 to 1 1/2	2 1/2	1 to 1 1/2	2 1/2

\* Crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

† Do not use on coarse soils with less than 1% organic matter.

\* Silty clay loam soils are transitional to sand and may be classified as medium textured soils in some regions of the U.S.

**SPECIAL PRECAUTIONS (SENCOR plus Commence):** Do not rotate to wheat, oats, barley, rye, alfalfa or seed corn in the fall of the year of application or in the spring of the following year as crop injury may occur.

Do not apply when weather conditions favor drift.  
 Do not use treated vines for feed or forage.  
 Do not apply aerially or through irrigation equipment.  
 Do not allow sprays to drift on to adjacent desirable plants.  
 Observe all cautions and limitations on labeling of all products used in mixtures.

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### SENCOR PLUS FREEDOM®

SENCOR SOLUPAK may be tank mixed with Freedom 3 EC for preplant incorporated application to control certain weeds in soybeans. Refer to the "General Information" section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by SENCOR SOLUPAK. See appropriate sections of the Freedom 3 EC herbicide label for additional precautionary statements, directions for use, recommendations, restrictions and additional weeds controlled.

#### RECOMMENDED APPLICATIONS SENCOR plus Freedom Tank Mix Preplant Incorporated (Broadcast Rates)

SOIL TEXTURE	1/2 to 3% Organic Matter		Greater than 3% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	Freedom 3 EC Qts./Acre	SENCOR SOLUPAK Lbs./Acre	Freedom 3 EC Qts./Acre
<b>COARSE</b> <sup>1</sup> (Sandy loam)	1 1/2	+ 2 1/2 to 3 1/2	1 1/2	+ 3 to 3 1/2
<b>MEDIUM</b> <sup>2</sup> (loam, silt loam, silty sandy clay, sandy clay loam)	1 1/2	+ 2 1/2 to 3 1/2	1 1/2	+ 3 1/2 to 4
<b>FINE</b> <sup>3</sup> (silty clay, silty clay loam, clay loam)	1 1/2	+ 3 1/2 to 4	1 1/2 to 1	+ 3 1/2 to 4
<b>Mississippi Delta Only</b> (silty clay to heavy clay)	SENCOR SOLUPAK lbs./Acre + Cannon 3 EC Qts./Acre 1 1/2 + 3 1/2 to 4			

<sup>1</sup> Do not use SENCOR plus Freedom on sand or heavy sand soils with less than 2% organic matter.

<sup>2</sup> For control of lambsquarters, redroot pigweed, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota and North Dakota only apply SENCOR SOLUPAK at rates of 1 1/2 pound/acre on medium soils and 1 1/2 to 1 3/4 pound/acre on fine soils regardless of soil organic matter percentage (use 1 1/2 pound/acre only where soil pH is less than 7.5 and weed pressure is heavy). The 1 1/2 pound/acre rate of SENCOR SOLUPAK in tank mix combination with Freedom can be applied regardless of soil pH. For control of other weeds, use SENCOR SOLUPAK at all rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

<sup>3</sup> Silty clay loam soils are transitional soils and may be classified as medium-textured soils in some regions of the U.S.

#### DO NOT USE ON MUCK SOILS

Do not allow sprays to drift on to adjacent desirable plants. Observe all cautions and limitations on the labeling of all products used in mixtures.

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### SENCOR PLUS SCEPTER PLUS A GRASS HERBICIDE

SENCOR SOLUPAK may be applied with Scepter herbicide and a grass herbicide (Treflan, Lasso, Dual, Prowl or Sonalan) for the control of certain broadleaf weeds and grasses in soybeans. SENCOR and Scepter plus Treflan or Sonalan may be applied preplant incorporated broadcast. SENCOR and Scepter plus Lasso, Dual or Prowl may be applied preplant incorporated, preemergence broadcast or in a band application. Consult the Scepter, Treflan, Lasso, Dual, Prowl or Sonalan labels for specific directions for use, recommendations, restrictions and additional weeds controlled not specified on this label.

**Mixing:** Refer to the "General Information" section in the front of this label.

**Application:** For specific application information refer to the "General Information" section in the front of this label.

**Weeds Controlled:** SENCOR SOLUPAK plus Scepter plus Treflan, Lasso, Dual, Prowl or Sonalan will control the following broadleaf weeds and grasses:

#### Annual Grasses

Barnyardgrass	Foxtails
Bluegrass	Goosegrass
Broadleaf signalgrass	Johnsongrass (seeding)
Browntop millet	Panicum, Fall
Crabgrass	Witchgrass
Crowfootgrass	

#### Annual Broadleaves

Bristly Starbur	Pigweeds
Bufoalbur	Prickly Sida/Teaweed
Carpetweed	Purslane
Cocklebur	Ragweed, Common
Coffee Senna	Redweed
Copperleaf, Hophornbeam	Russian Thistle
Florida Beggarweed	Sesbania
Florida Pusley	Shepherdspurse
Galinoga	Sicklepod
Jimsonweed	Smartweeds
Knotweed	Spotted spurge
Kochia	Spurred Anoda
Lambsquarters	Sunflower
Morningglory, pitted	Velvetleaf
Morningglory, smallflower	Vernice mallow
	Wild mustards

SENCOR SOLUPAK and Scepter plus Treflan, Lasso, Dual, Prowl or Sonalan will suppress (reduce the competition of) velvetleaf and tall morningglory and red rice.

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**RECOMMENDED APPLICATIONS  
SENCOR plus Pursuit Plus Herbicide  
(Broadcast Rates)**

Soil Texture	SENCOR SOLUPAK (lb/A)	Pursuit Plus (pts/A)
COARSE	1.3	2.12
MEDIUM	2.5 to 1.2	2.12
FINE	1.2 to 2.3	2.12

**Restrictions and Limitations:**

Do not apply this tank mix with aerial or irrigation equipment. Do not apply when weather conditions favor drift, or allow sprays to drift on to desirable plants.

Do not use treated vines for feed or storage.

Refer to appropriate sections of the Pursuit Plus herbicide label for restrictions on use area and rotational crops.

Observe all cautions and limitations on the labeling of all products used in mixtures.

**SENCOR PLUS SURFLAN**

SENCOR SOLUPAK may be used in a tank mix combination with Surflan A S as a preemergence application to control weeds in soy beans in accordance with the specified soil types and dosages recommended. Consult the Surflan label for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

**Mixing Instructions:** Refer to the "General Information" section in the front of this label.

**Application:** Apply within 2 days after planting but before crop emergence.

A one half inch rain or more or its equivalent in overhead irrigation is needed to activate the herbicide combination. If a one half inch rain does not occur within 7 days after application, incorporate the herbicide combination into the top one inch of the soil with a ground driven rotary hoe, rolling cultivator or similar implement that will not damage soy bean plants. Cultivation will control emerging annual weeds and grasses and improve herbicidal effectiveness. If heavy rains pack the soil surface, rotary hoe to break the crust and to aid soybean emergence.

For specific information on application, refer to the "General Information" section in the front of this label.

**RECOMMENDED APPLICATIONS  
SENCOR plus Surflan: Tank Mix  
(Broadcast Rates)**

Soil Texture	SENCOR SOLUPAK Pounds Acre	Surflan A S Quarts Per Acre
COARSE <sup>1</sup> Sandy loam, loam, sandy loam	1.3	1.5 to 1.8
MEDIUM Sandy loam, loam, sandy loam	2.5	1.5 to 1.8
FINE Sandy loam, loam, sandy loam	1.2 to 2.3	1.5 to 1.8
Mississippi Delta Only	1.3	1.5 to 1.8

<sup>1</sup> Not recommended for sand with less than 1% organic matter. Limit use of soil containing more than 5% organic matter.

<sup>2</sup> Only clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**SPECIAL PRECAUTIONS (SENCOR plus Surflan):** Do not plant root crops for 12 months following application.

Do not contaminate any body of water nor apply to any area not specified on the label.

For additional precautions, restrictions, limitations and sprayer cleanup information, refer to the appropriate section of this label and the Surflan A S label.

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### SENCOR PLUS AMIBEN

SENCOR SOLUPAK may be applied in a tank mix combination with Amiben 2 as a band or broadcast application to soybeans

#### RECOMMENDED APPLICATIONS SENCOR plus Amiben Tank Mix Preemergence (Broadcast Rates)

SOIL TEXTURE	1/2 to 3% Organic Matter		Greater than 2% Organic Matter	
	SENCOR SOLUPAK Lbs./Acre	Amiben 2 Gal./Acre	SENCOR SOLUPAK Lbs./Acre	Amiben 2 Gal./Acre
<b>COARSE*</b> (Sandy loam loamy sand)	1/2	1/4 to 1	1/2	1/4 to 1
<b>MEDIUM</b> (loam, silt loam, silt sandy clay, sandy clay loam)	1/2	1/4 to 1	1/2	1 to 1 1/2
<b>FINE</b> (Silty clay, silty clay loam, clay clay loam)	1/2	1 to 1 1/2	1/2 to 1 1/2	1 to 1 1/2
<b>Mississippi Delta Only</b> (Silty clay to heavy clay)	SENCOR SOLUPAK Lbs./Acre + Amiben 2 Gal./Acre 1 1/2 + 1 1/2			

\* Do not use on sandy loam or loamy sand soils with less than 2% organic matter. Do not use on sand soils.

† Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

Do not use on muck soils.

Where a rate range is specified, use the higher rate in fields with a history of intense weed pressure. See Rate Ranges in the front of the Soybeans section on this label.

For additional precautions and information regarding spray equipment, mixing, application, limitations and restrictions refer to the appropriate section of this label and the Amiben label.

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### SENCOR PLUS LINURON PLUS LASSO OR DUAL

#### SENCOR plus linuron plus (Lasso or Dual) Tank Mix:

SENCOR SOLUPAK may be applied in combination with linuron 50 DF or 4L and Lasso 4 or Dual 8 EC as a preemergence application for the control of certain weeds in soybeans. Consult the linuron Lasso or Dual labels for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

**Mixing:** Refer to the "General Information" section in the front of this label.

**Application:** Applications can be made only with ground spray equipment in accordance with specified soil types and dosage rates. For specific application information refer to the "General Information" section in the front of this label.

#### RECOMMENDED APPLICATIONS SENCOR plus Linuron plus Lasso or Dual (Broadcast Rates) (0.5 to 3% Organic Matter Only)

Soil Texture	SENCOR SOLUPAK Lbs./Acre	linuron 50 DF (lb./Acre) or 4 L (pts./Acre)	Lasso 4 or Dual 8 EC (qt./Acre) (pt./Acre)
<b>COARSE*</b> (Sandy loamy sand, loamy sand)	1 to 4	1 to 2	1/2 to 1 or 1 1/2 to 2
<b>MEDIUM</b> (loam, silt loam, silt sandy clay, sandy clay loam)	1 to 4	1 to 2	1 to 2 or 1 1/2 to 2
<b>FINE</b> (silty clay, silty clay loam, clay loam)	1 to 4	1 to 2	1 to 2 or 1 1/2 to 2

\* Do not use SENCOR SOLUPAK plus linuron plus Lasso or Dual on sand soils with less than 1% organic matter.

† Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**Special Precautions (SENCOR plus linuron plus Lasso or Dual):** For additional precautions, restrictions, limitations and sprayer clean up information refer to the appropriate sections of this label and the linuron Lasso or Dual labels.

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### FOR USE IN COARSE (LIGHT) SOILS

In Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia.

SENCOR herbicide is recommended alone or in combination with Trellan, Lasso, Dual, Surflan or Amben for use in coarse-textured, low organic matter soils in the states listed above for the control of certain weeds in soybeans. Refer to the appropriate sections of this label and the Trellan, Lasso, Dual, Surflan or Amben labels for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

Mixing: Refer to the "General Information" section in the front of this label.

Application: For specific application information, refer to the "General Information" section in the front of this label.

#### RECOMMENDED APPLICATIONS SENCOR (Alone) Preemergence Application (Broadcast Rates)

Soil Texture	Organic Matter	SENCOR SOLUPAK Lbs./Acre
COARSE (LIGHT) SOILS (Sandy, very sandy, sandy loam)	0.5% or above	1 1/2 to 2

\*Rate recommended for use on sand with less than 1% organic matter.  
†Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.

SENCOR in Combination with Other Herbicides: SENCOR SOLUPAK is recommended in a tank mix combination with Trellan as a preplant incorporated application or as a preemergence overlay application for following a preplant incorporated application of Trellan. SENCOR SOLUPAK is also recommended for use as a preemergence application in combination with Lasso, Dual, Surflan or Amben.

#### RECOMMENDED APPLICATIONS SENCOR in Combination with Other Herbicides (Broadcast Rates)

Soil Texture	Organic Matter	Combination Product/Acre	Plus SENCOR SOLUPAK Lbs./Acre
COARSE (LIGHT) SOILS (Sandy, very sandy, sandy loam)	0.5% or above	Preplant incorporated Trellan 4EC 1 pt. or Preemergence Lasso 4EC 1 1/2 pt. or Dual 8EC 1 1/2 pt. or Surflan AS 1 1/2 pt. or Amben 2 1/2 to 3 pt.	1 1/2 to 2

\*Rate recommended for use on sand with less than 1% organic matter.  
†Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.

Special Precautions: Do not use on sand soils with less than 1% organic matter, or on sandy loam or loamy sand soils with less than 0.5% organic matter.

For additional precautions, restrictions, limitations and sprayer clean up information, refer to the appropriate sections of this label and the Trellan, Lasso, Dual, Surflan or Amben labels.

### FOR CONTACT ACTION AND RESIDUAL CONTROL

For Control of Emerged Annual Broadleaf Weeds and Grasses and For Suppression of Emerged Perennials Where Soybeans Will Be Planted Directly into a Preformed Bed, Cover Crop or in Previous Crop Residues as in "Minimum Till" or "No-Till" Crop Production.

### SENCOR PLUS GRAMOXONE

#### SENCOR PLUS GRAMOXONE TANK MIX APPLICATION

Apply 1 1/2 to 2 1/2 pints of Gramoxone Super plus 1/4 to 1 1/2 pounds SENCOR SOLUPAK according to the recommendations for SENCOR SOLUPAK on this label as a broadcast ground spray before, during or after planting but before emergence of the crop. Soybeans exposed at time of application will be killed. Use the higher rate of Gramoxone for heavier infestations or for taller weeds (4 to 6 inches tall). Apply in 20 to 60 gallons spray mix per acre. Use the higher volume in fields with heavy weed infestations or with large amounts of previous crop residues. Add Ortho X 77 Spreader or similar non-ionic spreader at 1 quart per 100 gallons of diluted spray. This mixture will not control weeds taller than 6 inches.

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## SENCOR PLUS LASSO AND GRAMOXONE

### SENCOR PLUS LASSO AND GRAMOXONE TANK MIX APPLICATION

Apply 1½ to 2½ pints of Gramoxone Super plus 2 to 2½ quarts of Lasso 4 EC plus ¼ to 1½ pounds SENCOR SOLUPAK as a pre-emergence broadcast ground spray. Use the higher rate of Gramoxone for weeds 4 to 6 inches tall. Soybeans exposed at time of application will be killed. Refer to the appropriate section of this label and the Gramoxone and Lasso labels for rates which are dependent upon soil textures, directions, limitations and cautions.

Apply in 20 to 60 gallons spray mix per acre. Use the higher volume in fields with heavy weed infestations or with large amounts of previous crop residues. Add Ortho X-77 Spreader or similar non-ionic spreader at 8 fl. ounces per 100 gallons of diluted spray. Add SENCOR SOLUPAK to the spray tank first and mix thoroughly. Then add Lasso followed by Gramoxone and X-77 Spreader. Constant agitation is recommended at all times. This tank mix will not control shattercane which emerges after treatment or other weeds taller than 6 inches.

## SENCOR PLUS SURFLAN AND GRAMOXONE

### SENCOR PLUS SURFLAN AND GRAMOXONE TANK MIX APPLICATION

The combination provides control of weeds and grasses which are emerged at the time of application plus many weeds and grasses which may germinate after planting. Soybeans exposed at time of application will be killed.

**Weeds Controlled by Gramoxone:** Gramoxone will kill emerged annual broadleaf weeds and grasses and provide top kill of perennials.

**When to Apply:** Apply the tank mix at planting or within 2 days after planting. Do not spray over top of emerged soybeans.

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### RECOMMENDED APPLICATIONS SENCOR plus Surflan and Gramoxone Tank Mix Preemergence (Broadcast Rates)

Soil Texture	SENCOR SOLUPAK	Surflan AS	Gramoxone Super
Coarse*	1.5 lb/acre	1.0 qt/acre	2.5 pints
Medium	1.0 lb/acre	1.0 qt/acre	2.5 pints
Fine	0.5 lb/acre	1.0 qt/acre	2.5 pints

\*For recommended broadcast rates with this combination, refer to the appropriate label.

Do not use on soils containing more than 1% organic matter.

**Mixing:** Refer to the "General Information" section in the front of this label.

Add Ortho X-77 or similar non-ionic spreader at 8 fl. ozs. per 100 gallons of diluted spray mixture.

**Application:** For specific application information refer to the "General Information" section in the front of this label.

A one-half inch rain or more or its equivalent in overhead irrigation is needed to activate the herbicide combination.

**SPECIAL PRECAUTIONS (SENCOR plus Surflan and Gramoxone):** Poor weed control and/or crop injury may result if directions are not followed.

Do not use a rib type press wheel on your no-till planter or crop injury may result.

For additional precautions, special precautions, restrictions, limitations and sprayer cleanup information, refer to the appropriate section of this label and the Surflan and Gramoxone labels.

## SENCOR PLUS 2,4-D LOW VOLATILE ESTER

SENCOR SOLUPAK alone or in combination with Dual, Lasso, Surflan or Prowl may be applied with 2,4-D low volatile ester as an early preplant surface application for the control of certain broadleaf weeds and grasses in soybeans in minimum or no-till production. Application is recommended 30 days prior to planting. Apply 1 pound active ingredient (ai) per acre of 2,4-D low volatile ester with labeled rates of SENCOR SOLUPAK. Where a grass herbicide is used in the tank mix, apply at the rates specified on that product's label.

Refer to this label and the 2,4-D low volatile ester, Dual, Lasso, Surflan and Prowl labels for weeds controlled, precautions, restrictions, limitations and sprayer cleanup information.

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**SOUTHERN AND SOUTHEASTERN STATES ONLY**

**POSTEMERGENCE DIRECTED SPRAY APPLICATIONS:**

SENCOR SOLUPAK can be applied in postemergence directed sprays to soybeans for control of certain weeds which escape preplant or preemergence herbicide applications and for control of additional flushes of weeds that may occur after soybeans have emerged. Postemergence directed sprays of SENCOR SOLUPAK can be applied to soybeans in addition to a preemergence or preplant application of SENCOR SOLUPAK according to label directions.

Weeds Controlled: SENCOR SOLUPAK applied postemergence to soybeans as a directed spray according to directions on this label will control the following at rates shown (broadcast basis) when grasses and common ragweed are less than 1 inch tall and other broadleaves are less than 3 inches tall:

- |  |  |
|--|--|
| 1/2 pound/acre                                       | Purslane   |
| Florida beggarweed<br>( <i>Desmodium tortuosum</i> ) | ( <i>Portulaca oleracea</i> )                        |
| Carpetweed<br>( <i>Mollugo verticillata</i> )        | Sicklepod<br>( <i>Cassia obtusifolia</i> )           |
| Cocklebur<br>( <i>Xanthum pensylvanicum</i> )        | Velvetleaf<br>( <i>Abutilon theophrasti</i> )        |
| Dayflower<br>( <i>Commelina spp</i> )                | Pigweeds<br>( <i>Amaranthus spp</i> )                |
| Mexicanweed<br>( <i>Caperonia castanifolia</i> )     | Crabgrass<br>( <i>Digitaria spp</i> )                |
| 1/2 to 2/3 pound/acre                                | 2/3 pound/acre                                       |
| Sesbania<br>( <i>Sesbania spp</i> )                  | Ragweed common<br>( <i>Ambrosia artemisiifolia</i> ) |
| Prickly sida/leafweed<br>( <i>Sida spinosa</i> )     |  |

At the rate of 2/3 pound/acre morningglory species (*Ipomoea spp*), horse-nettle (*Solanum spp*), Florida pusley (*Richardia scabra*), spotted spurge (*Euphorbia maculata*) and wild pimpernia (*Euphorbia heterophylla*) are suppressed when SENCOR SOLUPAK is applied before these weeds are 3 inches tall. The 2/3 pound/acre rate will suppress broadleaf signalgrass (*Bracharia platyphylla*) up to 1 inch tall.

**RECOMMENDED APPLICATIONS**

CROP	SENCOR SOLUPAK Pounds Per Acre	REMARKS
Soybeans (Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee and Texas)	1 to 1 1/2 (broadcast basis)	Apply proper dosage using 10 to 40 gallons of water per acre as a directed spray in a 6 to 8 inch band on each side of the row after soybeans are 8 inches tall and before broadleaf weeds are 3 inches tall and before grasses and common ragweed are 1 inch tall. For best results the spray must cover weed foliage with minimum or no contact with soybean foliage. Add a non-ionic surfactant such as Ortho K 77 to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct dosage of SENCOR SOLUPAK for a band application see "Banded Application" under the "General Information" section in the front of this label.  If necessary a second postemergence directed spray application can be made after 7 days.  Do not feed or graze green soybean vines. Do not harvest soybeans or use dry soybean vines for feed or forage within 70 days of last application.

**SPECIAL PRECAUTIONS (Directed Postemergence):** Do not apply directly to soybeans or serious crop injury will occur. Do not allow spray to contact more than the lower 1/4 to 1/2 of soybean plants. Soybean leaves contacted by the spray will be killed.

Do not apply SENCOR SOLUPAK postemergence to sensitive soybean varieties. See "Special Precautions" in the front of this label.

To avoid injury to other crops or desirable plants from spray drift, sprayer pressure must not exceed 30 psi and the sprayer must be fitted with nozzles no smaller than 8002 T-Jet (or equivalent). Do not apply under weather conditions which favor drift.

**POTATOES**

SENCOR herbicide is recommended for use in ground or aircraft spray equipment as a preemergence and/or postemergence application to potatoes. Postemergence applications may be made only on russeted or white-skinned potato varieties that are not early maturing. For optimum control of weeds in potatoes apply SENCOR SOLUPAK before weeds are 1 inch tall. Refer to "Special Precautions" for potatoes for additional information.

**Ground Application:** SENCOR SOLUPAK is recommended for use with ground spray equipment, except air blast sprayers, as a preemergence and/or postemergence application for control of certain grass and broadleaf weeds in potatoes. Apply as a broadcast spray after planting and before crop emergence or after drag-off if this operation is part of the normal cultural practice. Postemergence applications should be applied after crop emergence.

**Aerial Application:** SENCOR SOLUPAK is recommended for use in aerial spray equipment as a preemergence and/or postemergence application for control of certain grass and broadleaf weeds in potatoes. Apply as a broadcast spray after planting and before crop emergence or after drag-off if this operation is part of the normal cultural practice. Postemergence applications should be applied after crop emergence.

**PREEMERGENCE**

**Weeds Controlled:** SENCOR SOLUPAK, applied preemergence to potatoes according to directions, will effectively control

**Broadleaves:**

Carpetweed  
(*Mollugo verticillata*)  
Cocklebur  
(*Xanthum pennsylvanicum*)  
Jimsonweed  
(*Datura stramonium*)  
Lambsquarters  
(*Chenopodium album*)  
Pigweeds  
(*Amaranthus spp*)  
Ragweed, Common  
(*Ambrosia artemisiifolia*)

Shepherdspurse  
(*Capsella bursa-pastoris*)  
Sicklepod  
(*Cassia obtusifolia*)  
Smartweed, Pennsylvania  
(*Polygonum pennsylvanicum*)  
Wild Mustards  
(*Brassica spp*)

**Grasses:**

Broadleaf Signalgrass  
(*Bracharia platyphylla*)  
Crabgrass  
(*Digitaria spp*)  
Foxtails  
(*Setaria spp*)

Johnsongrass, Seeding  
(*Sorghum halepense*)  
Panicum, Fall  
(*Panicum dichotomiflorum*)

**For Control of Wild Mustard (*Brassica spp.*) in Potatoes (Except California) —** Apply at the rate of  $\frac{1}{2}$  to  $\frac{3}{4}$  pound per acre as a preemergence broadcast spray using aerial or ground spray equipment in accordance with directions on this label. Application should be made at or near ground crack and/or before the mustard is one inch tall. For control of mustard larger than 2 inches in diameter or other weeds listed on the label, a minimum of  $\frac{2}{3}$  pound per acre must be used. When less than  $\frac{2}{3}$  pound per acre is used, a postemergence application in accordance with directions on this label may be required for control of other weeds or later germinating weed species.

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**Hard To Control Weeds:** Although SENCOR SOLUPAK applied preemergence may not provide commercially acceptable control in every instance, it will suppress growth of the following weeds and reduce their competition with potato plants.

**Broadleaves:**

Common purslane  
(*Portulaca oleracea*)

**Grasses:**

Barnyardgrass  
(*Echinochloa crus-galli*)  
Nutsedge  
(*Cyperus spp*)

**POSTEMERGENCE**

**Weeds Controlled:** SENCOR SOLUPAK, applied early postemergence to potatoes according to directions, will effectively control

**Broadleaves:**

Cocklebur  
(*Xanthum pennsylvanicum*)  
Lambsquarters  
(*Chenopodium album*)  
Pigweed, Redroot  
(*Amaranthus retroflexus*)

Ragweed, Common  
(*Ambrosia artemisiifolia*)  
Russian thistle  
(*Salsola kali*)  
Smartweed, Pennsylvania  
(*Polygonum pennsylvanicum*)

**Grasses:**

Foxtail's  
(*Setaria spp*)

On medium and fine soils in Idaho, Oregon and Washington, two postemergence applications, each at the rate of  $\frac{2}{3}$  pound per acre, will control barnyardgrass (*Echinochloa crus-galli*), kochia (*Kochia scoparia*), sunflower (*Helianthus spp*), and Jim Hill mustard (*Sisymbrium altissimum*) in addition to weeds listed above.

**Hard To Control Weeds:** Although SENCOR SOLUPAK applied early postemergence may not provide commercially acceptable control in every instance, it will suppress growth of the following weeds and reduce their competition with potato plants.

**Broadleaves:**

Kochia  
(*Kochia scoparia*)  
Sunflower  
(*Helianthus spp*)

**Grasses:**

Barnyardgrass  
(*Echinochloa crus-galli*)

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**RECOMMENDED APPLICATIONS  
(Broadcast Rates)**

CROP	SENCOR SOLUPAK Pounds Per Acre	REMARKS
Potatoes	$\frac{1}{2}$ to $1\frac{1}{2}$	<b>PREEMERGENCE:</b> Apply specified dosage per acre as a broadcast spray to the soil surface after planting and before crop emergence or after drag off if this operation is part of normal cultural practice. Distribute the chemical evenly over the area to be treated. Do not incorporate into soil. Use the lower rate on sandy soils.
Potatoes (russeted or white skinned varieties that are not early maturing)	$\frac{1}{2}$ to $1\frac{1}{2}$	<p><b>POSTEMERGENCE:</b> Apply specified dosage per acre as a broadcast spray over the tops of potato plants. Use rates of <math>\frac{1}{2}</math> to <math>\frac{3}{4}</math> lb for control of redroot pigweed and lambsquarters only. Apply the <math>\frac{1}{2}</math> lb rate for control of other weeds listed on this label. Do not apply within 60 days of harvest.</p> <p><b>SPLIT APPLICATIONS:</b> This product may be applied once preemergence and once post emergence as directed above. Do not apply postemergence within 60 days of harvest.</p> <p><b>IDAH0, OREGON AND WASHINGTON ONLY:</b> Two postemergence applications can be made as broadcast sprays over the tops of potato plants if SENCOR is not applied preemergence. Use <math>\frac{1}{2}</math> to <math>\frac{3}{4}</math> pound acre for control of redroot pigweed and lambsquarters only. On coarse (sandy) soils with low organic matter do not exceed <math>\frac{1}{2}</math> pound acre per application. On medium and heavy soils only use <math>\frac{1}{2}</math> pound acre for control of other weeds listed on this label. Make the first application early in the season while weeds are still small. Allow at least 14 days before the second application. For optimum control apply before weeds are 1 inch tall. Do not apply after June 30 if treated land is to be planted to crops other than potatoes. Do not apply within 60 days of harvest.</p>

\*Refer to Special Precautions Potatoes below

**SPRINKLER IRRIGATION APPLICATION TO POTATOES**

SENCOR SOLUPAK may be applied early postemergence to potatoes through center pivot, permanent solid set, or self-propelled lateral move irrigation systems as directed on this label. Refer to "Chemigation" section of this label for directions.

**RECOMMENDED APPLICATIONS**

CROP	SENCOR SOLUPAK Pounds Acre	REMARKS
Potatoes (russeted or white skinned varieties that are not early maturing)	$\frac{1}{2}$ to $1\frac{1}{2}$	<b>POSTEMERGENCE IN SPRINKLER IRRIGATION:</b> Apply specified dosage in a 1 to 1.5 inch of water per acre as a continuous or intermittent center pivot and self-propelled lateral move systems or in the last 15 to 30 minutes of a permanent solid set center pivot system. Do not apply in a 1 to 1.5 inch of water. Use rates of $\frac{1}{2}$ to $\frac{3}{4}$ pounds for control of redroot pigweed and lambsquarters only. Apply the $\frac{1}{2}$ pound rate for control of other weeds listed on the label. Do not apply within 60 days of harvest.

Do not apply when wind speed favors drift when system connections leak or nozzles do not produce uniform distribution or when lines restricting flow of water are damaged or clogged.

**SENCOR PLUS DUAL TANK MIX APPLICATION  
(Except California)**

SENCOR SOLUPAK may be applied in a tank mix combination with Dual BE as a preemergence broadcast application to potatoes. Apply SENCOR SOLUPAK at  $\frac{1}{2}$  to  $1\frac{1}{2}$  pounds and Dual BE at 1.5 to 3 pints per acre according to the respective labels for use of each product alone on potatoes. Refer to appropriate sections of this label and the Dual label for precautionary statements, restrictions, application information and weeds controlled.

**SENCOR PLUS PROWL TANK MIX APPLICATION  
(Except California)**

SENCOR SOLUPAK may be applied in a tank mix combination with Prowl as a preemergence broadcast application to potatoes. Apply SENCOR SOLUPAK at  $\frac{1}{2}$  to  $1\frac{1}{2}$  pounds and Prowl at 1 to 3 pints per acre according to the respective labels for use of each product alone on potatoes. Refer to the appropriate sections of this label and the Prowl label for precautionary statements, restrictions, applicable information and weeds controlled.

**SPECIAL PRECAUTIONS (Potatoes)**

**Do Not Use SENCOR SOLUPAK on Potatoes in Kern County, California**

Do not apply more than  $1\frac{1}{2}$  pounds total SENCOR SOLUPAK per acre in a single crop season regardless of the method of application. Do not apply within 24 hours of application of other pesticides. Do not apply

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postemergence within 3 days after periods of cool, wet or cloudy weather or crop injury may occur. Postemergence applications may cause some chlorosis or minor necrosis.

In addition to early maturing smooth-skinned white, or red skinned varieties of potatoes, postemergence applications of SENCOR SOLUPAK are not recommended on Atlantic, Shepody, Chip Bell, Belchop, and Centennial varieties. Preemergence applications to these varieties may cause crop injury, especially under adverse weather conditions and when higher rates are used.

Do not apply to sweet potatoes or yams.

Do not plant sensitive crops such as onions, lettuce, cole crops and cucurbits during the next growing season following applications of SENCOR or injury may occur.

### ALFALFA AND SAINFOIN

SENCOR herbicide is recommended for use in alfalfa and sainfoin in the following areas:

- 1 Alfalfa and sainfoin (including mixed stands with grasses) (all areas except California)
- 2 Alfalfa and sainfoin (including mixed stands with grasses) (California only)
- 3 Alfalfa - Tank Mix Combination with Gramoxone (Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming, and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumas, Shasta, Sierra, and Siskiyou)
- 4 Alfalfa - Post Dormant Application of SENCOR Impregnated on Dry Fertilizer only (Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, and Wisconsin only)
- 5 Alfalfa - Non Dormant, Non Winter Hard, Varieties (Arizona only)

SENCOR SOLUPAK is recommended for use in aerial or ground spray equipment as a broadcast surface application to established crops of alfalfa and sainfoin for the control of certain grass and broad leaf weeds.

**Application:** Refer to "General Information" in the front of this label for detailed information on the application of SENCOR SOLUPAK. For information on applying SENCOR SOLUPAK on dry fertilizer refer to the "Commercial Impregnation and Application of SENCOR SOLUPAK On Dry Bulk Fertilizer" under the "General Information" section in the front of this label.

**SPECIAL PRECAUTIONS:** Do not apply SENCOR SOLUPAK after growth begins in the Spring or before growth ceases in the Fall. Treat only dormant established alfalfa (except where specified on this label).

Do not graze or harvest within 28 days after application.

For best weed control, apply SENCOR SOLUPAK when weeds are less than 2 inches tall or before weed foliage is 2 inches in diameter. Reduced weed control may occur when extended dry conditions follow application of SENCOR SOLUPAK.

Crop injury may occur if alfalfa or sainfoin are

- 1 under stress conditions such as diseases, insect infestations, poorly drained soils, drought or winter injury when SENCOR SOLUPAK is applied, or
- 2 when SENCOR SOLUPAK is applied during the first growing season after seeding or if applied earlier than 12 months after seeding.

### ALFALFA AND SAINFOIN

(All Areas except California)

#### RECOMMENDED APPLICATIONS (Broadcast Rates)

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Alfalfa and Sainfoin (except California)	1.0	ALL AREAS: Select the proper dosage according to weeds to be controlled. For best results, use the lower rate of SENCOR SOLUPAK on sandy soils or heavy sand soils in areas other than Idaho, Oregon, and Washington.
	1.5	IDAHO, OREGON AND WASHINGTON ONLY: Do not use more than 1.5 pounds SENCOR SOLUPAK per acre on soils with a pH greater than 8.2.

**FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES:** Rates of 1.0 to 1.5 pounds SENCOR SOLUPAK per acre will provide better control of large grass stands. These rates may be used to reduce large grass stands in alfalfa and sainfoin stands. Higher rates will severely reduce large grass stands.

SENCOR SOLUPAK should not be used on hard soils in areas with a high clay content, and on soils with a pH greater than 8.2.

#### Weeds Controlled:

1/2 to 1/3 pound SENCOR SOLUPAK/acre

Chickweed, Common (*Stellaria media*)

1/2 to 1/3 pound SENCOR SOLUPAK/acre

Cheat (*Bromus secalinus*)

Deadnettle, Purple (*Lamium purpureum*)

Downy brome (*Bromus tectorum*)

Japanese brome (*Bromus japonicus*)

Pennycress (*Thlaspi arvense*)

Rescuegrass (*Bromus catharticus*)

Shepherdspurse (*Capsella bursa-pastoris*)

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**1/4 to 1 1/2 pounds SENCOR SOLUPAK/acre**

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|---|---|
| <b>Broadleaves:</b>   |   |
| Flabane, Rough<br>( <i>Eriogon singosus</i> )                   | Mustard, Tansy<br>( <i>Descurainia pinnata</i> )      |
| Flaxweed<br>( <i>Descurainia sophia</i> )                       | Pepperweed<br>( <i>Lepidium virginicum</i> )          |
| Henbit<br>( <i>Lamium amplexicaule</i> )                        | Pigweed, Redroot<br>( <i>Amaranthus retroflexus</i> ) |
| Kochia<br>( <i>Kochia scoparia</i> )                            | Prickly Lettuce<br>( <i>Lactuca serriola</i> )        |
| Lambsquarters, Common<br>( <i>Chenopodium album</i> )           | White Cockle<br>( <i>Melandrium album</i> )           |
| Marestail (Horseweed)<br>( <i>Hypoxis vulgaris</i> )            | Wild Buckwheat<br>( <i>Polygonum convolvulus</i> )    |
| Meadow Salsify<br>( <i>Tragopogon pratensis</i> )               | Yellow Rocket<br>( <i>Barbarea vulgaris</i> )         |
| Mustard, Blue<br>( <i>Chorispora tenella</i> )                  |   |
| Mustard, Jim Hill (tumble)<br>( <i>Sisymbrium officinalis</i> ) |   |

- |  |   |
|--|---|
| <b>Grasses:</b>                              |   |
| Foxtail, Green<br>( <i>Setaria viridis</i> ) | Smooth Brome<br>( <i>Bromus inermis</i> ) |
| Little Barley<br>( <i>Hordeum pusillum</i> ) | Wild Oats<br>( <i>Avena fatua</i> )       |

**1 1/2 pounds SENCOR SOLUPAK/Acre**

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|---|--|
| <b>Broadleaves:</b>                                   | <b>Grasses:</b>                                    |
| Chickweed, Mouseear<br>( <i>Cerastium vulgatum</i> )  | Barnyardgrass<br>( <i>Echinochloa crus galli</i> ) |
| Dandelion<br>( <i>Taraxacum officinale</i> )          | Bluegrass<br>( <i>Poa annua</i> )                  |
| Ragweed, Common<br>( <i>Ambrosia artemisiifolia</i> ) | Foxtail Barley<br>( <i>Hordeum jubatum</i> )       |

**Weeds Partially Controlled:** At the rate of 1 1/2 pounds/acre SENCOR SOLUPAK may be used to reduce the competition from curly dock (*Rumex crispus*). At 1/4 to 1 1/2 pounds/acre, SENCOR SOLUPAK may be used to reduce the competition of German moss or Knave (*Scirpus annuus*).

**ALFALFA AND SAINFOIN**

(California Only)  
(Including Mixed Stands With Grasses)

SENCOR SOLUPAK is recommended for use in aerial or ground spray equipment as a broadcast surface application to dormant established crops of alfalfa and sainfoin.

**Application:** SENCOR SOLUPAK is recommended for use in aerial or ground spray equipment as a broadcast surface application to dormant established crops of alfalfa and sainfoin for control of certain grass and broadleaf weeds. Do not apply SENCOR SOLUPAK after growth begins in the spring or before growth ceases in the fall. Do not apply to either alfalfa or sainfoin during the first growing season after seeding.

For information on commercial impregnation and application of SENCOR SOLUPAK on dry bulk fertilizer refer to the appropriate section of this label.

**Weeds Controlled:**

**1/2 to 1/2 pounds SENCOR SOLUPAK/acre**

Cheatgrass (*Gomphrena*)

**1/2 to 1 1/2 pounds SENCOR SOLUPAK/acre**

- |   |  |
|---|--|
| <b>Broadleaves:</b>                               |  |
| Chickweed, Common<br>( <i>Stellaria media</i> )   | Mustard, Tansy<br>( <i>Descurainia pinnata</i> )       |
| Flaxweed<br>( <i>Descurainia sophia</i> )         | Pepperweed, Virginia<br>( <i>Lepidium virginicum</i> ) |
| Henbit<br>( <i>Lamium amplexicaule</i> )          | Shepherdspurse<br>( <i>Capsella bursa pastoris</i> )   |
| Kochia<br>( <i>Kochia scoparia</i> )              | White Cockle<br>( <i>Melandrium album</i> )            |
| Meadow Salsify<br>( <i>Tragopogon pratensis</i> ) | Wild Buckwheat<br>( <i>Polygonum convolvulus</i> )     |
| Mustard, Blue<br>( <i>Chorispora tenella</i> )    | Yellow Rocket<br>( <i>Barbarea vulgaris</i> )          |
| <b>Grasses:</b>                                   |  |
| Smooth Brome<br>( <i>Bromus inermis</i> )         | Wild Oats<br>( <i>Avena fatua</i> )                    |

**1 1/2 pounds SENCOR SOLUPAK/acre**

- |  |  |
|--|--|
| <b>Broadleaves:</b>                          | <b>Grasses:</b>                                    |
| Dandelion<br>( <i>Taraxacum officinale</i> ) | Barnyardgrass<br>( <i>Echinochloa crus galli</i> ) |
|  | Bluegrass<br>( <i>Poa annua</i> )                  |
|  | Foxtail Barley<br>( <i>Hordeum jubatum</i> )       |

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**RECOMMENDED APPLICATIONS  
(Broadcast Rates)**

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS *
Alfalfa and Sanfon (California only)	1/2 to 1 1/2	Select the proper dosage according to weeds known to be present in the field to be treated. Apply specified dosage in 20 to 40 gallons of water per acre with ground spray equipment or 3 to 10 gallons of water per acre with aerial spray equipment fitted with nozzles suitable for broadcast applications of herbicides. Treat only dormant established crops of alfalfa and sanfon. Injury may occur to alfalfa if SENCOR is applied earlier than 12 months after seeding. Do not apply after Spring growth begins or before growth ceases in the fall. Do not graze or harvest within 28 days after application. At the 1 1/2 pound acre rate SENCOR SOLUPAK may be used for suppression of curly dock.

**FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES:** Rates of 1/2 to 1 1/2 pounds of SENCOR SOLUPAK per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce forage grass stands.

Do not apply with aerial spray equipment when wind speeds are greater than 10 mph. Do not apply when weather conditions favor spray drift and or when sensitive cool season crops such as corn, sorghum, peas, or strawberries are present in adjacent fields. Applications should not be made when weather conditions favor spray drift, especially in areas where wheat is growing in coarse textured soils in adjacent fields or injury may occur.

**ALFALFA  
SENCOR PLUS GRAMOXONE  
TANK MIX**

Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, Wyoming and the following California counties: Del Norte, Lassen, Modoc, Nevada, Plumas, Shasta, Sierra, and Siskiyou.

**Application:** SENCOR SOLUPAK plus Gramoxone tank mix application is recommended for use, during the dormant season, in aerial or ground spray equipment as a broadcast surface application to established (at least 1 year old) alfalfa for the control of certain grass and broadleaf weeds. Do not apply SENCOR Gramoxone tank mix to regrowth (after grazing or cutting) that is more than 2 inches tall. Apply once per season. Do not apply following cuttings during growing season. Use a minimum of 10 gallons of water per acre with aerial spray equipment and a minimum of 20 gallons of water per acre with ground spray equipment. Add Ortho X 77 Spreader (non toxic) at 1 to 2 pints per 100 gallons of spray solution.

**Weeds Controlled:**

SENCOR SOLUPAK (1/2 to 1 pound acre) plus Gramoxone Super (2 to 2 1/2 pints acre) tank mix application will control established weeds. Gramoxone controls weeds by contact activity.

Bluegrass	Chickweed
Henbit	Downy brome
Cheat	Japanese brome
Rescuegrass	Shepherdspurse

1/2 to 1 1/2 pound of SENCOR SOLUPAK per acre may be used for common chickweed only on sandy soils.

Use SENCOR SOLUPAK at 1/2 to 1 pound acre for control of the following weeds:

- |                  |                       |
|------------------|-----------------------|
| Ryegrass         | Green foxtail         |
| Sow thistle      | Yellow rocket         |
| Groundsel        | White cockle          |
| Smooth brome     | Wild buckwheat        |
| Wild oats        | Prickly lettuce       |
| Blue mustard     | Little barley         |
| Tansy mustard    | Redroot pigweed       |
| Flaxweed         | Common lambsquarters  |
| Kochia           | Marestail (Horseweed) |
| Meadow salsify   | Field Pennycress      |
| Pepperweed       | Rough leabane         |
| Jim Hill mustard |                       |

**RECOMMENDED APPLICATIONS  
(Broadcast Rates)**

DOSAGE (Pounds or Pints/Acre)	REMARKS
SENCOR SOLUPAK 1/2 to 1 pound/acre Gramoxone Super 2 to 2 1/2 pints	Apply specified dosages of SENCOR and Gramoxone in at least 10 gallons of water per acre with aerial equipment or at least 20 gallons of water per acre with ground equipment. Do not apply tank mix to alfalfa regrowth after grazing or cutting that is more than 2 inches tall. For best weed control, apply when broadleaf weeds and grasses are 1 to 6 inches tall and are actively growing. Care should be taken to avoid sensitive crops. Use lower rates of SENCOR on sandy soils and heavy silt soils. Reduced weed control may occur when extended dry conditions follow application of SENCOR. Injury may occur to alfalfa under stress conditions such as drought, insect infestation, or frost. Do not apply SENCOR to alfalfa earlier than 12 months after seeding.



## ASPARAGUS (Established)

SENCOR SOLUPAK is recommended for use in aerial or ground spray equipment or sprinkler irrigation (center pivot, lateral move, or solid set) systems as a single preemergence broadcast application or as a split application consisting of a preemergence broadcast application followed by a post harvest broadcast application.

Refer to the "General Information" section of this label for directions.

**Weeds Controlled:** SENCOR SOLUPAK, applied to established asparagus according to directions, will effectively control:

### Broadleaves:

Ci cloweed, Common

(*Stellaria media*)

Jimsonweed

(*Datura stramonium*)

Lambsquarters

(*Chenopodium album*)

Pigweed, Redicot

(*Amaranthus retroflexus*)

Grasses:

Crabgrass

(*Digitaria spp*)

Foxtails

(*Setaria spp*)

Ragweed, Common

(*Ambrosia artemisiifolia*)

Smartweed, Pennsylvania

(*Polygonum pennsylvanicum*)

Sorrel, Red

(*Rumex acetosella*)

Velvetleaf

(*Abutilon theophrasti*)

Sandbur, Field

(*Cenchrus pauciflorus*)

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### RECOMMENDED APPLICATIONS (Broadcast Rates)

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Asparagus	1.0 to 2.0 pounds	<b>PREEMERGENCE APPLICATION ONLY</b> Make a single surface application in early Spring before asparagus spears or ferns emerge. If the field is to be seeded, apply SENCOR SOLUPAK after disking but before the crop emerges. Use the lower rate for control of the broadcast weeds listed above. Use the higher rate in fields with a history of severe infestations of grasses and for maximum residual control. Do not apply within 14 days of harvest.
	1.0 to 2.0 pounds preemergence 1.0 to 2.0 pounds post harvest	<b>SPLIT APPLICATION: PREEMERGENCE AND POST HARVEST</b>  <b>Preemergence Application:</b> Apply before asparagus spears or ferns emerge. If the field is to be seeded, apply after disking but prior to crop emergence. Do not apply within 14 days of harvest.  <b>Post Harvest Application:</b> Apply after last harvest of the season but prior to reemergence.  The lower combination rates may be used for control of common ragweed, lambsquarters, sorrel, red, and velvetleaf. Use the higher combination rates for other weeds listed on this label. Maximum application rates are for maximum post harvest control of emergent weeds.

**IMPORTANT:** The total amount of SENCOR SOLUPAK applied to the crop should not exceed 4.0 pounds per acre.

**SPECIAL PRECAUTIONS (Asparagus):** Do not use on newly seeded asparagus nor on young plants during the first growing season after setting crowns.

**DO NOT APPLY POST HARVEST APPLICATION UNTIL AFTER THE LAST HARVEST OF SPEARS.**

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**CARROTS**

**Special Conditions of Sale Provision for Use on Carrots:** The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such the testing was done independently from the testing program of Mobay Corporation. Buyer is advised that Mobay makes no assurances regarding satisfaction with the product and all risks of crop injury or product performance are assumed by the Buyer.

Apply SENCOR herbicide with ground equipment as specified below under "Recommended Applications". For effective control of broadleaf weeds with postemergence applications, apply SENCOR before weeds are 1 inch in height or diameter. Thorough spray coverage is essential for adequate weed control.

Do not use air blast or other high pressure spray equipment to make postemergence applications of SENCOR. Refer to the appropriate section of this label for additional information regarding spray equipment dilution rates, mixing, sprayer cleanup, restrictions, container disposal and cautions.

Refer to "Mixing" under the "General Information" section in the front of this label.

For specific application information see "General Information" and "Application" sections at the front of this label.

**Weeds Controlled:** SENCOR SOLUPAK applied to carrots according to directions will effectively control:

- |   |   |
|---|---|
| Carpetweed<br>( <i>Mollugo verticillata</i> )         | Pigweed, Redroot<br>( <i>Amaranthus retroflexus</i> ) |
| Gnatsoga<br>( <i>Gnatsoga parviflora</i> )            | Pigweed, Smooth<br>( <i>Amaranthus hybridus</i> )     |
| Horseweed<br>( <i>Coryza canadensis</i> )             | Pearly Lettuce<br>( <i>Lactuca serriola</i> )         |
| Lambsquarters, Common<br>( <i>Chenopodium album</i> ) | Shepherdspurse<br>( <i>Capsella bursa-pastoris</i> )  |
| Mustard, Wild<br>( <i>Sinapis arvensis</i> )          | Pineappleweed<br>( <i>Malicaria malacroides</i> )     |

**RECOMMENDED APPLICATIONS**  
(Broadcast Rates)

CROP	SENCOR SOLUPAK Pounds Per Acre	REMARKS
Carrots		Apply specified dosage per Acre as a broadcast application over the top of carrot plants. Applications should be made after carrots have at least 5-6 true leaves but before weeds are 1 inch in height or diameter. If needed, a second application may be made after an interval of at least 3 weeks. Applications should be made up to 60 days before harvest.

**IMPORTANT:** The total amount of SENCOR SOLUPAK applied to any one acre should not exceed 1.5 pounds per Acre.

**SPECIAL PRECAUTIONS:** Do not apply to carrots grown for seed. Do not apply within 3 days after periods of cool, wet or cloudy weather or crop injury will occur.

Do not apply SENCOR within 3 days of any other chemical unless specified on this label.

Do not apply on very hot days or excessive crop injury will result.

Do not apply until carrots have at least 5-6 true leaves. Earlier applications will result in excessive crop damage.

Crop injury or delayed maturity may result from applications of SENCOR if carrots are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application.

Following an application of SENCOR SOLUPAK chlorosis, yellowing, and burning of the leaf tissue may occur.

For newly introduced varieties of carrots with unknown tolerance to SENCOR, treat only a small area to determine if SENCOR can be used without injury to the crop.

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### FIELD CORN

(Iowa, Kansas, Missouri, Nebraska, and South Dakota only)  
 SENCOR herbicide is recommended for the added effect on the control of certain broadleaf weeds in corn when applied preemergence in a tank mix combination with labeled rates of Lasso plus atrazine, Lasso plus Bifenex<sup>®</sup>, Dual plus atrazine, or Dual plus Bifenex. Refer to the appropriate product labels for weeds controlled by these combinations.

SENCOR SOLUPAK in each of the tank mix combinations will control the following weeds:

- Lambsquarters  
 (Chenopodium album)
- Pigweed, Redroot (Carelessweed)  
 (Amaranthus retrofractus)
- Smartweed, Pennsylvania  
 (Polypogon persicarinum)
- Velvetleaf  
 (Abutilon theophrasti)

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Mixing: Select proper dosages based on soil type as shown below. Fill the spray tank  $\frac{1}{2}$  to  $\frac{3}{4}$  full with clean water and add SENCOR SOLUPAK to the spray tank first. Mix thoroughly and then add atrazine or Bifenex to the spray tank. Add water to fill spray tank to desired level. Mix thoroughly and then add Lasso or Dual to the spray tank. Maintain sufficient agitation during mixing and spraying operations to insure a uniform spray mixture.

Application: For specific application information see the "General Information" section in the front of this label.

#### RECOMMENDED BROADCAST APPLICATIONS Rates Per Acre:

SOIL TEXTURE	SENCOR SOLUPAK	Lasso 4 E.C. or Dual 8 E.C.		Atrazine 4L or 80 WP or Bifenex 4L or 80 WP	
<b>MEDIUM</b> (Loam, silt loam, silt sandy clay, sandy clay loam)	$\frac{1}{2}$ lb	1.5 to 2.0 qts	1.5 to 2.0 pts	0.75 to 1.5 qts of 4L or 0.95 to 1.9 lbs of 80 WP	1.25 to 2.5 qts of 4L or 1.5 to 3.1 lbs of 80 WP
<b>FINE</b> (Silty clay, silty clay loam, clay clay loam)	$\frac{1}{2}$ lb	2.0 to 2.5 qts	2.0 to 2.5 pts	0.75 to 1.5 qts of 4L or 0.95 to 1.9 lbs of 80 WP	1.5 to 3.0 qts of 4L or 1.75 to 3.75 lbs of 80 WP

<sup>1</sup> Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S. Follow the Lasso, Dual, Bifenex, or atrazine labels for use rates on specific soil textures and organic matter content. Not recommended for use on muck soils as reduced weed control may result.

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**SPECIAL PRECAUTIONS (Field Corn):** Not for use on coarse textured soils or soils containing less than 2% organic matter content  
 Do not use on soils having a calcareous surface or high in lime or sodium and/or a pH of 7.0 or higher  
 Corn seed should be planted 1 1/2 inches deep  
 Use in hybrid seed corn production fields only if both parents are known to be tolerant to SENCOR and other herbicides used  
 Observe all cautions and limitations on labeling of all products used in mixtures

**GARBANZO BEANS (CHICKPEAS)**

(Idaho, Oregon and Washington Only)

**Special Conditions of Sale for Use on Garbanzo Beans (Chickpeas):**  
 The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such the testing was done independently from the testing program of Mobay Corporation. Buyer is advised that Mobay makes no assurances regarding satisfaction with the product and that all risks of crop injury or product performance are assumed by the Buyer.

SENCOR herbicide is recommended as a preemergence application for the suppression of certain broadleaf weeds in garbanzo beans.

**WEEDS SUPPRESSED:**

- |                      |                      |
|----------------------|----------------------|
| Common Chickweed     | Common Lambsquarters |
| Dog Fennel (Mayweed) | Shepherdspurse       |
| Field Pennycress     | Wild Mustard         |
| Henbit               | Pigweed              |

\*Suppression is a reduction in weed size and growth compared to a non treated area in the same field. SENCOR used alone will not control triazine resistant weed species.

**RECOMMENDED APPLICATIONS**

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Garbanzo Beans	1.0	Apply SENCOR to soil before or at the time of preemergence application. Mix with 100-400 lbs of water per acre with ground spray nozzle. Apply before or after planting but before crop emergence. Thorough coverage is essential for weed suppression. Under dry conditions incorporate 1/2 to 1 inch of soil into the surface of the seed bed with a harrow or similar implement. Preemergence application of SENCOR should be made before soil moisture and soil temperature are favorable for weed emergence and suppression.

**SPECIAL PRECAUTIONS:** Crop injury may result if crop is under stress conditions caused by cold weather, poor soil fertility, disease or insect damage.

Crop injury may result if application is followed by heavy rain. Avoid application of more than 1/2 inch of irrigation within one month after application of SENCOR or crop injury may occur.

Do not use on coarse textured soils, sandy soils or any soil with less than 1.5% organic matter. Do not use on clay knobs or poorly covered subsoils.

Do not apply preemergence on shallow seedings less than 2 inches deep.

Do not graze or feed treated vines to livestock within 40 days after application.

Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping of spray swaths and shut off spray nozzles while turning, slowing or stopping or crop injury will occur.

**NOTE:** This treatment may cause some chlorosis or minor necrosis. Because garbanzo bean varieties may vary in their susceptibility to SENCOR, determine crop tolerance prior to adoption as a field scale practice to prevent possible injury.

**LENTILS AND DRY FIELD PEAS**

(Idaho, East of the Cascades in Oregon & Washington, and Montana)

SENCOR herbicide is recommended as a preemergence and post-emergence application for the suppression of certain broadleaf weeds in lentils and dry field peas.

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**WEEDS SUPPRESSED\***

Common Chickweed\*\*  
Dog Fennel  
Field Pennygrass  
Henbit\*\*

Lambsquarters  
Shepherdspurse\*\*  
Wild Mustard

\*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field

\*\*Preemergence application only

**PREEMERGENCE APPLICATION:** A single preemergence application at 1/2 to 1/3 lbs. of SENCOR SOLUPAK per acre in 20 to 40 gallons of water per acre with ground spray equipment may be made per crop year. Apply SENCOR before or after planting BUT BEFORE CROP GERMINATES. Thorough incorporation either by rainfall or by mechanical means is essential for weed suppression. Under dry conditions incorporate SENCOR into the top 1 to 2 inches of soil with spike harrows or similar shallow incorporation equipment then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence a broadcast application should provide adequate weed suppression.

Use the higher rate on fine textured soils (high in clay or organic matter) and in fields with a history of high weed populations.

**POSTEMERGENCE APPLICATION:** Use 1/2 to 1/3 lb. of SENCOR SOLUPAK per acre on lentils and spring peas. On winter peas, use 1/2 to 1/3 lb. of SENCOR SOLUPAK per acre for suppression of dog fennel; use 1/3 lb. SENCOR SOLUPAK per acre. Apply specified dosage in 20 to 40 gallons of water per acre and not over 40 psi with ground spray equipment as a broadcast spray when weeds are small (less than 2" in height or diameter) and before crop is 6 inches tall.

One postemergence application may be made per season. Temporary chlorosis of crop may occur. There is an increased risk of crop injury if a postemergence application is made following a previous metribuzin application.

Do not apply over very moist soils or wet crop foliage. Do not apply postemergence applications within 3 days after periods of low, wet or cloudy weather or crop injury may occur.

Do not apply within 24 hours of treatment with other pesticides.

**SPECIAL PRECAUTIONS (all applications)** Crop injury may result if crop is under stress conditions caused by cold weather, low fertility, disease or insect damage.

Crop injury may also result if application is followed by heavy rain. Do not use on coarse textured soils, sandy soils or dry soils with less than 1% organic matter.

Do not apply to lentils.

Do not use on clay knolls or poorly covered subsoils.

Do not apply on shallow seedbeds less than 2" deep (preemergence only).

Do not apply within 50 days of harvest of peas or within 75 days of harvest of lentils. Do not graze or feed treated vines to livestock within 40 days after application.

Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping and shut off spray booms while turning, slowing or stopping or crop injury will occur.

**NOTE:** This treatment may cause some chlorosis or minor necrosis. Because lentil and pea varieties may vary in their susceptibility to SENCOR SOLUPAK, determining crop tolerance prior to application as a field scale practice is suggested to prevent possible injury.

For additional precautions, restrictions, limitations and sprayer clean up information refer to the appropriate sections of this label.

**LENTILS**

(North Dakota Only)

SENCOR herbicide is recommended as a preemergence and postemergence application for the suppression of certain broadcast weeds in lentils.

**WEEDS SUPPRESSED\***

Common Chickweed\*\*  
Dog Fennel\*\*  
Field Pennygrass  
Henbit\*\*

Lambsquarters  
Shepherdspurse\*\*  
Wild Mustard

\*Suppression is a reduction in weed size and growth compared to a non-treated area in the same field

\*\*Preemergence application only

**PREEMERGENCE APPLICATION:** A single preemergence application at 1/2 to 1/3 lbs. of SENCOR SOLUPAK per acre in 20 to 40 gallons of water per acre with ground spray equipment may be made per crop year. Apply SENCOR SOLUPAK before or after planting BUT BEFORE CROP GERMINATES. Thorough incorporation either by rainfall or by mechanical means is essential for weed suppression. Under dry conditions incorporate SENCOR SOLUPAK into the top 1 to 2 inches of soil with spike harrows or similar shallow incorporation equipment then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence a broadcast application should provide adequate weed suppression.

Use the higher rate on fine textured soils (high in clay or organic matter) and in fields with a history of high weed populations.

**POSTEMERGENCE APPLICATION:** Use 1/2 to 1/3 lb. of SENCOR SOLUPAK in 20 to 40 gallons of water per acre and not over 40 psi with ground spray equipment as a broadcast spray when weeds are small (less than 2 inches in height or diameter) and before crop is 6 inches tall.

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One postemergence application may be made per season. Temporary chlorosis of crop may occur. There is an added risk of crop injury if a postemergence application is made following a previous metribuzin application.

Do not apply over very moist soils or wet crop foliage. Do not apply postemergence within 3 days after periods of cool, wet, or cloudy weather or crop injury may occur.

Do not apply within 24 hours of treatment with other pesticides.

**SPECIAL PRECAUTIONS (all applications):** Crop injury may result if crop is under stress conditions caused by cold weather, low fertility, disease or insect damage.

Crop injury may also result if application is followed by heavy rain. Do not use on coarse-textured soils, sandy soils or any soil with less than 1.5% organic matter.

Do not apply to "Estun" lentils.

Do not use on clay knobs or poorly covered subsoils.

Do not apply on shallow seedlings less than 2" deep (preemergence only).

Do not apply within 75 days of harvest. Do not graze or feed treated vines to livestock within 40 days after application.

Maintain continuous spray tank agitation to keep material in suspension. Avoid overlapping and shut off spray booms while turning, slowing or stopping, or crop injury will occur.

**NOTE:** This treatment may cause some chlorosis or minor necrosis. Because lentil varieties may vary in their susceptibility to SENCOR SOLUPAK, determining crop tolerance prior to adoption as a field scale practice is suggested to prevent possible injury.

For additional precautions, restrictions, limitations, and sprayer clean-up information refer to the appropriate sections of this label.

## SUGARCANE

(Hawaii Only)

SENCOR, a selective herbicide, is effective as a preemergence and an early postemergence broadcast application for control of certain grass and broadleaf weeds. When applied as a spot treatment, it also provides excellent control of perennial grasses and broadleaves.

**Ground Application:** SENCOR SOLUPAK should be mixed by filling the spray tank half full of clean water. Then add the recommended amount of SENCOR SOLUPAK to suit the total tank capacity and the rate of application per acre (preferably 25 to 35 gallons per acre). Complete filling the tank and maintain sufficient agitation during mixing and spraying to insure a uniform spray mixture.

**Aerial Application:** SENCOR SOLUPAK is recommended for use on aerial spray equipment as a preemergence or postemergence application to irrigated sugarcane. Aerial spray equipment should be calibrated to apply the proper amount of SENCOR SOLUPAK in 7 to 10 gallons of spray mixture per acre.

SENCOR SOLUPAK applied preemergence or postemergence to the sugarcane as a broadcast spray or spot treatment will effectively control the following when weeds are less than 3 inches in height:

**Weeds Controlled in Irrigated and Non-irrigated Sugarcane:**

Broadleaves:	Grasses:
Amaranth, Spiny ( <i>Amaranthus spinosus</i> )	Crabgrass ( <i>Digitaria sp.</i> )
Euphorbia, Wric ( <i>Euphorbia spp.</i> )	Gonagrass ( <i>Panicum maximum</i> )
Fireweed ( <i>Erechtites hieracifolius</i> )	Pushgrass ( <i>Chloris radicata</i> )
Floras paritbrush ( <i>Emula sonchifolia</i> )	Ricegrass ( <i>Oryzopsis latifolius</i> )
Spurge, Garden ( <i>Euphorbia hirta</i> )	Wiregrass ( <i>Elysiene indica</i> )
Spurge, Graceful ( <i>Euphorbia glomerata</i> )	

### Weeds Controlled in Irrigated Sugarcane Only

Broadleaves:	Grasses:
Amaranth, Spine ( <i>Amaranthus tubosus</i> )	Hialeha ( <i>Mimosa pudica</i> )
Hialeha ( <i>Leucaena leucocephala</i> )	Portulaca Common ( <i>Portulaca lutea</i> )
Hialeha ( <i>Waltheria americana</i> )	Rattlepod ( <i>Crotalaria spectabilis</i> )
Alexandergrass ( <i>Bracharia parlayana</i> )	Bristly hula ( <i>Setaria verticillata</i> )

### Weeds Controlled in Non-irrigated Sugarcane Only

Broadleaves:	Yarroweed
Ageratum ( <i>Ageratum conyzoides</i> )	( <i>Cuphea arthagenensis</i> )
Richardia ( <i>Richardia brasiliensis</i> )	

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RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR SOLUPAK (Pounds/Acre)	REMARKS
Sugarcane (Missouri only)	2 1/2 to 5 1/2 (non irrigated)	<b>PREEMERGENCE:</b> (irrigated and non irrigated sugarcane) Apply specified dosage per acre as a broadcast spray to the soil surface. Application should be made within two weeks after planting prior to cane emergence or shortly after emergence (sprinkler stage). <b>OR</b> <b>EARLY POSTEMERGENCE:</b> (irrigated and non irrigated sugarcane) Apply specified dosage per acre as a broadcast spray over the cane. Application may be delayed as long as 4 to 6 weeks after planting provided weeds are less than 3 inches in height. <b>OR</b> <b>POSTEMERGENCE:</b> Apply specified dosage per acre as a broadcast spray to control weeds prior to "close in" time when cane shades out the weed growth.
	5 1/2 to 8 (irrigated)	
	2 1/2 to 5 1/2	<b>SPOT TREATMENT:</b> Apply specified dosage in 30 to 50 gallons of finished spray per acre. Spot treatments may be used to control weeds in missed areas, corners of fields, or areas of hard to control weeds.

Note: Do not apply more than 10 1/2 pounds of SENCOR SOLUPAK (8 to active ingredient) acre per crop cycle regardless of the method of application. The last application may be made up to 17 months of harvest.  
 Special Precaution: Do not use treated forage for feed or forage.

SUGARCANE

(Louisiana and Texas Only)

Preemergence and postemergence applications of SENCOR SOLUPAK with aerial or ground spray equipment are recommended for control of the following weeds in sugarcane in Louisiana and Texas:

Broadleaves:

- |  |  |
|--|--|
| Amaranth, Spiny<br>( <i>Amaranthus spinosus</i> )  | Marestail<br>( <i>Conyza canadensis</i> )  |
| Bindweed, Field<br>( <i>Convolvulus arvensis</i> ) | Mustard, Wild<br>( <i>Brassica kaber</i> ) |
| Chickweed<br>( <i>Cerastium vulgatum</i> )         | Pigweeds<br>( <i>Amaranthus</i> spp.)      |
| Henbit<br>( <i>Lamium amplexicaule</i> )           | Purslane<br>( <i>Portulaca oleracea</i> )  |
| Lambquarters<br>( <i>Chenopodium album</i> )       | Sowthistle<br>( <i>Sonchus</i> spp.)       |
| London rocket<br>( <i>Sisymbrium</i> spp.)         |  |

Grasses:

- |  |   |
|--|---|
| Broadleaf Signalgrass<br>( <i>Brachiaria platyphylla</i> ) | Foxtails<br>( <i>Setaria</i> spp.)                    |
| Crabgrass<br>( <i>Digitaria</i> spp.)                      | Johnsongrass Seedling<br>( <i>Sorghum halepense</i> ) |
|  | Oats, Winter<br>( <i>Avena</i> spp.)                  |

RECOMMENDED APPLICATIONS

CROP	SENCOR SOLUPAK (Pounds/Acre)	REMARKS
Sugarcane (Louisiana and Texas only)	2 to 4	<b>BROADCAST:</b> Apply specified dosage per acre using 20 to 30 gallons of water with ground equipment or 5 gallons of water with aerial spray equipment. Apply as a broadcast spray during the fall after planting or to the stubble after harvest. Make a second application early in the Spring.
	1 to 2	<b>BAND:</b> Apply specified dosage in 10 to 20 gallons of water per acre in a 30 to 36 inch band over the row during the fall after planting or to the stubble after harvest. Make a second application early in the Spring.

**SPECIAL PRECAUTIONS (Louisiana and Texas only)** Do not use treated forage for feed or forage.  
 Use the higher rate on heavy clay soil and soil with a high percentage of organic matter. If necessary, a third application may be made in late Spring at layby. Do not apply within 60 days of harvest.

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## SUGARCANE

(Florida Only)

Postemergence over-the-top or directed spray applications of SENCOR SOLUPAK are recommended for the control of the following weeds in sugarcane in Florida

### Broadleaves:

Amaranth, Spiny (seedling)  
(*Amaranthus spinosus*)  
Butterweed  
(Cressleaf groundsel)  
(*Senecio glabellus*)  
Cudweed  
(*Gnaphalium* spp.)  
Purslane  
(*Portulaca oleracea*)

### Grasses:

Crabgrass, large  
(*Digitaria sanguinalis*)  
Foxtail, bristleglass  
(*Setaria magna*)  
Goosegrass  
(*Eleusine indica*)  
Panicum, broadleaf  
(*Panicum adspersum*)  
Signalgrass, Broadleaf  
(*Bracharia distachya*)

\*Best control is achieved when applications are made when this weed is less than 4" in diameter

### RECOMMENDED APPLICATIONS (Broadcast Rates)

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
Sugarcane (Florida)	1 to 2	GROUND APPLICATION: SENCOR SOLUPAK may be used in one or two applications with a minimum of 14 days between each application. Apply when weeds are less than 6 inches tall in 10 to 40 days of spray mature per acre. POSTEMERGENCE BROADCAST OR BAND: Apply over the top of stubble or the frame when the weed is less than 14 inches tall. POSTEMERGENCE DIRECTED SPRAY: Apply to sugarcane that is a minimum of 14 inches tall and before row closing.
	1 to 2	AERIAL APPLICATION: Apply when weeds are less than 4 inches tall in 5 to 10 gallons of spray per acre. Apply to stubble or pasture when the sugarcane is less than 14 inches tall.

SENCOR PLUS Atrazine TANK MIX: SENCOR SOLUPAK may be used with atrazine as a preemergence or postemergence (before row closing) application to sugarcane. Rates for SENCOR SOLUPAK are 1 to 2 1/2 pounds/acre and atrazine 80% WP (4L) are 2 1/2 to 5 pounds/acre (2 to 4 quarts/acre). For additional information on precautions, instructions, limitations, application and weeds controlled refer to this label and the atrazine label.

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### Special Precautions: (Florida only)

- Do not use more than 2 1/2 pounds per acre in a single growing season.
- Do not use on sand soils.
- Spray contact with sugarcane foliage may result in minor leaf margin chlorosis and/or necrosis.
- Do not apply within 60 days of harvest.
- Do not use treated crop for feed or forage.
- Avoid spray overlaps or variations in application speed that may result in insufficient or excessive rates of application.

## TOMATOES

Apply SENCOR herbicide with ground equipment to seeded and transplanted tomatoes as specified below under Recommended Applications.

For effective control of grasses and broadleaf weeds with postemergence applications, apply SENCOR SOLUPAK before weeds are 1 inch tall. Thorough spray coverage on weed foliage is essential for adequate control with postemergence applications.

Do not use air blast or other high pressure spray equipment to make postemergence applications of SENCOR SOLUPAK. Refer to the appropriate section of this label for additional information regarding spray equipment, dilution rates, mixing, sprayer cleanup, restrictions, container disposal and cautions.

For specific application information see the General Information section in the front of this label.

### Weeds Controlled:

#### PREPLANT INCORPORATED APPLICATIONS TRANSPLANT TOMATOES ONLY

**Broadleaves:**  
Galinsoga  
(*Galinsoga* spp.)  
Lambquarters  
(*Chenopodium album*)  
Pigweed, Redroot  
(*Amaranthus retroflexus*)  
Purslane, Common  
(*Portulaca oleracea*)

**Grasses:**  
Goosegrass  
(*Eleusine indica*)

Preplant incorporated applications applied as directed will suppress foxtails, panics and barnyardgrass.

#### SENCOR plus TREFLAN Tank Mix

This tank mix combination applied preplant incorporated as directed on this label will control the weeds listed above plus those weeds listed on the Treflan label.

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**POSTEMERGENCE APPLICATIONS  
ESTABLISHED TOMATOES**

For effective control of weeds with postemergence applications, apply **SENCOR SOLUPAK** before weeds are 1 inch tall.

**Broadcast Sprays**  
1/2 to 1 1/2 lb. of **SENCOR SOLUPAK/acre**

- |  |   |
|--|---|
| <b>Broadleaves:</b>                            | <b>Grasses:</b>   |
| Carpetweed<br>( <i>Mollugo verticillata</i> )  | Perweeds<br>( <i>Amaranthus spp</i> )                           |
| Lumitory<br>( <i>Lumina officinalis</i> )      | Purslane<br>( <i>Portulaca oleracea</i> )                       |
| Galinsoya<br>( <i>Galinsoya spp</i> )          | *Ragweed, Common<br>( <i>Ambrosia artemisiifolia</i> )          |
| *Jimsonweed<br>( <i>Datura stramonium</i> )    | *Smartweed, Pennsylvania<br>( <i>Polygonum pennsylvanicum</i> ) |
| *Ladysthumb<br>( <i>Polygonum persicaria</i> ) | Toadflax<br>( <i>Linaria spp</i> )                              |
| Lambsquarters<br>( <i>Chenopodium album</i> )  | *Velvetleaf<br>( <i>Abutilon theophrasti</i> )                  |
| Mustard, Wild<br>( <i>Brassica kaber</i> )     |   |

**Directed Sprays**  
1/2 to 1 1/2 lbs. of **SENCOR SOLUPAK/acre**

- |  |  |
|--|--|
| <b>Grasses:</b>                              | (Plus Weeds Listed Under<br>Broadcast Sprays.) |
| *Festal, Yellow<br>( <i>Setaria glauca</i> ) |  |
| Goosegrass<br>( <i>Elymus repens</i> )       |  |

For application of this herbicide, consult the manufacturer's label for the appropriate application rate and other instructions.

Postemergence applications as directed on this label will suppress barnyardgrass and crabgrass when these weeds are less than 1 inch tall.

**RECOMMENDED APPLICATIONS  
(Broadcast Rates)**

CROP	SENCOR SOLUPAK Pounds/Acre	REMARKS
	1 to 1 1/2	<b>PREPLANT INCORPORATED — TRANSPLANT TOMATOES ONLY (EXCEPT CALIFORNIA)</b> Apply specified dosage in 10 to 40 gallons of water per acre as a broadcast spray to the soil. Make immediately before the soil being incorporated to a depth of 2 to 4 inches with frequent rotation of uniformly mixing the chemical into the soil. This application must be made prior to planting in a combination with Preplant II. Refer to the Preplant label for specific rate of application and for additional precautions and restrictions for tomatoes.
Tomatoes	1/2	<b>POSTEMERGENCE BROADCAST SPRAY — ESTABLISHED TOMATOES</b> Apply specified dosage in 20 to 75 gallons of water per acre as a broadcast spray or apply in 10 to 20 gallons of water per acre as a continuous injection center pivot and lateral move systems or in the last 15 to 30 minutes of set in permanent soil set spray systems over the plants in single or multiple applications with a minimum of 14 days between treatments. For transplanted tomatoes, do not apply within 14 days of transplanting. Transplants must have recovered from transplant shock and new growth incident. Do not apply within 24 hours of application of other pesticides. Do not tank mix with other pesticides. (See Special Precautions below.)
	1/2 to 1 1/2	<b>POSTEMERGENCE DIRECTED SPRAY — ESTABLISHED TOMATOES</b> Apply specified dosage in 20 to 75 gallons of water per acre as a directed spray in single or multiple applications with a minimum of 14 days between treatments. Adjust rate for soil moisture with spray. This method of treatment is recommended for fields with a history of severe weed pressure or fields infested with hard to control weeds. For transplanted tomatoes, do not apply within 14 days of transplanting. Transplants must have recovered from transplant shock and new growth incident. Do not apply within 24 hours of application of other pesticides. (See Special Precautions below.) Do not tank mix with other pesticides. (See Special Precautions below.)

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\*Use the higher rate in fields with a history of severe weed pressure and for maximum residual weed control

**SPECIAL PRECAUTIONS (Tomatoes):** Do not apply more than a total of 1½ lbs. SENCOR SOLUPAK per crop season

Do not apply the total amount of 1½ lbs. SENCOR SOLUPAK within a time span of less than 35 days, except in the case of directed sprays. Allow at least 14 days between applications, regardless of dosage or method of application

Do not apply within 7 days of harvest

Do not apply within 3 days after periods of cool, wet or cloudy weather, or crop injury will occur

Do not use hot caps on tomatoes within 7 days before or at any time after application of SENCOR SOLUPAK

Do not treat seeded tomatoes until plants have reached the 5 to 6 leaf stage

Crop injury or delayed maturity may result from broadcast or directed spray applications if tomatoes are growing under stress conditions such as periods of drought or cool, wet and cloudy weather preceding application

For newly introduced tomato varieties with unknown tolerance to SENCOR, treat only a small area to determine if SENCOR SOLUPAK can be used without injury to the crop

**DO NOT USE SENCOR SOLUPAK ON TOMATOES IN KERN COUNTY, CALIFORNIA**

## CEREALS

(Barley and Wheat)

For the control of certain grass and broadleaf weeds, SENCOR herbicide is recommended as a single postemergence application on barley (winter and spring) and winter wheat (see the appropriate section of this label for geographic limitations)

SENCOR SOLUPAK may be used in cereals (barley and wheat) as follows:

- 1 Barley (Spring and Winter) - Only East of the Cascade Mountains in Idaho, Oregon, Montana, Utah and Washington
- 2 Winter wheat in Idaho, Oregon, Utah, & Washington
- 3 Winter wheat in Idaho, Montana, Nevada, Oregon, Utah and Washington - Early Application (2 leaf stage)
- 4 Dryland (Non irrigated) Winter wheat in Kansas, Oklahoma & Texas
- 5 Dryland (Non irrigated) Winter wheat only in Arkansas, Kentucky, Louisiana, Mississippi & Tennessee
- 6 Dryland (Non irrigated) Winter wheat only in Georgia

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**Mixing:** See the Mixing section under General Information on the front of this label for specific mixing procedures. Do not tank mix SENCOR SOLUPAK with pesticides other than those specified below. When tank mixing, carefully follow the instructions on the label. Refer to the other product label registered for the specific use for detailed directions, rates, and weeds controlled.

**Application:** Refer to the General Information section on the front of this label for detailed information on the application of SENCOR SOLUPAK.

Apply SENCOR SOLUPAK when wheat stand is uniform in height. For best results apply SENCOR SOLUPAK when weeds are small (less than 1 to 1½ inches in diameter or height). In the Fall apply when wheat has a minimum of 3 tillers and 4 secondary roots at least 2 inches in length but before winter dormancy and wheat jointing occurs. In the Spring apply after wheat has recovered from winter dormancy and after wheat has fully tillered and has developed secondary roots at least 2 inches in length but before jointing.

Apply SENCOR SOLUPAK only once per crop season to wheat or barley.

**Grazing Treated Wheat:** Wheat fields treated with SENCOR SOLUPAK may be grazed 14 days following application.

**SPECIAL PRECAUTIONS (Cereals):** Crop injury may occur on barley or wheat when SENCOR SOLUPAK is used under the following conditions:

- 1 When applied while the crop is under stress such as winter or frost damage, disease, drought or excessive moisture, or when these conditions follow the application.
- 2 When applied in combination with fluid fertilizer.
- 3 When applications are made prior to the growth stage specified on this label.
- 4 When soils are high in lime or sodium, have a pH greater than 7.7 or are calcareous soils.
- 5 When proper application instructions are not followed.

Weed control may not be observed for 2 to 4 weeks after application under very dry conditions; weed control may not be apparent for 4 to 6 weeks. Moisture (at least ½") is needed within 2 to 3 weeks after application to move SENCOR SOLUPAK into the weed root zone. Lack of adequate moisture after application may result in poor control. Do not exceed the rates specified on this label.

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- Do not use on gravelly or thaly covered or exposed subsoil areas (may knobs) as crop injury may occur
- Do not use on any soils containing less than 0.75% organic matter
- Silly clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

**Weeds Controlled in Wheat:**

**Broadleaves:**

- Annual Polemonium (Jacob's Ladder) (*Polemonium macranthum*)
- Chickweed, Common (*Stellaria media*)
- Conical Catchfly (*Stene caeca*)
- Corncockle (*Agrostemma githago*)
- Fiddleneck, Tarweed (*Amsinckia lycopsoides*)
- Gromwell (*Lithospermum officinale*)
- Henbit (*Lamium amplexicaule*)
- Ivyleaf Speedwell (*Veronica hederifolia*)
- Knotweed, Prostrate (*Polygonum aviculare*)
- \*Kochia (*Kochia scoparia*)
- Lambsquarters (*Chenopodium album*)
- Madwort (catchweed) (*Asperugo procumbens*)

- Mayweed (dog fenel) (*Eupatorium capillatum*)
- Miners Lettuce (*Claytonia perfoliata*)
- \*Mustard, blue or purple (*Chorispora tenella*)
- \*Mustard, Jun Hill (tumble) (*Sisymbrium altissimum*)
- \*Mustard, Wild (*Brassica kaber*)
- Pennycress, Field (*Thlaspi arvense*)
- Pineappleweed (*Malicaria malacoides*)
- Prickly Lettuce (*Lactuca serriola*)
- Pigweeds (*Amaranthus spp.*)
- Redstem blaree (*Erodium cicutarium*)
- \*Russian Thistle (*Salsola kali*)
- Shepherdspurse (*Capsella bursa pastovis*)

**Grasses:**

- \*Blackgrass (Black twitchgrass) (*Alopecurus myosuroides*)
- \*Bluegrass, bulbous (*Poa bulbosa*)
- \*Cheatgrass (*Bromus setarius*)
- \*Downy Brome (*Bromus tectorum*)

- \*Foxtails (*Setaria spp.*)
- \*Rescuegrass (*Bromus catharticus*)
- \*Ryegrass, Italian (*Lolium multiflorum*)
- \*Wild Barley (*Hordeum imberbum*)
- \*Windgrass (*Apera spica-venti*)

\*Suppression only may occur. For suppression of these weeds, use the highest rate recommended for soil texture and percent organic matter. Suppression is a reduction in weed size and growth compared to a non-treated area in the same field.

**Hard-To-Control Weeds:**

**Broadleaves:**

- Concockle (*Vaccaria pyramidal*)
- Mustard, Tansy (*Descurainia pinnata*)
- Wild Buckwheat (*Polygonum convolvulus*)

**Grasses:**

- Repput Brome (*Bromus diandrus*)
- Weg Oats (*Avena fatua*)

Note: Control of these weeds may be variable, ranging from poor to excellent depending on timing of application, stage of growth at the time of application, temperatures, and soil moisture conditions following treatment.

**SENCOR in Combination With Other Herbicides:** SENCOR SOLUPAK may be applied as a tank mix with Tmesse Glean\*, Harmony\*, Harmony Extra 2.4 D, MCPA Igran\*, Banvel, Bronate or Buctril. Refer to the other product labels registered for this use for additional directions, rates and weed species controlled. Observe all cautions and limitations on labeling of all products used in mixtures.

**IRRIGATED WHEAT/BARLEY**

Follow timing directions for dryland wheat/barley found at the beginning of this cereal's section. After application of SENCOR SOLUPAK, do not apply more than 1/2" of water for the first irrigation; the maximum amount for each additional irrigation should not exceed 1".

**SENCOR plus Igran Tank Mix Application:** Apply SENCOR SOLUPAK at 1/2 to 1/4 pound per acre and Igran 80WP at 1/2 to 1/4 pound per acre according to label directions. The rate of each product depends on soil type. Do not use Igran on sand or loamy sand soils. Use lower rate of Igran on sandy loam soils.

**Broadleaf Weed Control Only:** Where only broadleaf control is needed, SENCOR SOLUPAK applied at the rates listed below in a tank mix combination with Bronate or Buctril can be used to control wild buckwheat in addition to all the broadleaf weeds listed on this label.

**RECOMMENDED APPLICATIONS (Broadcast Rates)**

SENCOR SOLUPAK lb/Acre	REMARKS
1/2 to 1/4	Apply SENCOR SOLUPAK in a tank mix combination with Buctril or Bronate. Use higher rate of SENCOR for control of larger broadleaf weeds that are 2 inches in diameter or height. Apply before weeds are greater than 3 inches in diameter or height. Test for use on sand soils.

**SPECIAL PRECAUTIONS:** Refer to the General Mixing and Application and Precautions in the front of the cereal section.

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Temporary chlorosis or injury may occur after application of SENCOR SOLUPAK to wheat, especially if frost or snow occurs within a few days after application. Heavy rainfall (1" or more) within 4 days following application may result in crop injury.

**WINTER WHEAT**

FOR USE IN IDAHO, MONTANA, NEVADA, OREGON, UTAH, AND WASHINGTON ON THE VARIETIES CENTURK, CHEYENNE, DAVIS, FARO, GAINES, HATTON, HILL 81, HYSLOP, LUKE, McDERMID, MORO, NUGAINES, PAHA, PECK, SPRAGUE, STEPHENS, TYEE, WAN SER, WESTON, AND WINALTA.

SENCOR SOLUPAK herbicide, in a tank mix combination with one of the herbicide products specified below, may be applied to wheat after the crop has reached the 2 leaf stage for control of the following broadleaf weeds:

- Common chickweed (*Stellaria media*)
- Henbit (*Lamium amplexicaule*)
- Prickly lettuce (*Lactuca serotia*)
- Blue mustard (*Chorispora tenella*)
- Field pennycress (*Thlaspi arvense*)
- Tarweed fiddleneck (*Amsinckia hycopsoides*)

Suppression only:  
Downy brome (*Bromus tectorum*)

**RECOMMENDED APPLICATIONS (Broadcast Rates)**

CROP	SENCOR SOLUPAK Pounds Per Acre	REMARKS
Wheat	1.5 to 2.0 (2 in 3 counties)	Use only in a tank mix combination for broadcast weed control. The specified dosage per acre may be added to other herbicides registered for use on wheat after the crop has reached the 2-leaf stage, but not during winter dormancy. See the appropriate sections of this label and the label for other herbicide products that are tank mixed with SENCOR SOLUPAK for directions, application rates, mixing procedures, special precautions, and restrictions before using.

\*May be used with: Bromate, Buctril, Banvel, 2,4-D, MCPA, Glean, Ally, Fusio, Harmony or Harmony Extra.  
Observe all cautions and limitations on labeling of all products used in mixtures.

**DRYLAND (NON-IRRIGATED) WINTER WHEAT**

FOR USE ONLY ON DRYLAND WINTER WHEAT IN KANSAS, OKLAHOMA AND TEXAS ON THE VARIETIES GARST 64, HAWK, LARNED, NEWTON, PIONEER 2157, STALLION, TAM W101, TAM 105, VICTORY AND WRANGLER.

**Weeds Controlled in Wheat:**

- Broadleaves:**
- Annual Polemonium (Jacob's Ladder) (*Polemonium micranthum*)
  - Chickweed, Common (*Stellaria media*)
  - Fiddleneck, Tarweed (*Amsinckia hycopsoides*)
  - Henbit (*Lamium amplexicaule*)
  - \*Kochia (*Kochia scoparia*)
  - Lambsquarters (*Chenopodium album*)
  - \*Mustard, Blue (*Chorispora tenella*)
  - \*Mustard, Jim Hill (*Sisymbrium altissimum*)
  - \*Mustard, Wild (*Brassica kaber*)
  - Pigweeds (*Amaranthus spp*)

- Grasses:**
- \*Cheatgrass (*Bromus secalinus*)
  - \*Downy Brome (*Bromus tectorum*)
  - \*Foxtails (*Setaria spp*)
  - \*Rescuegrass (*Bromus catharticus*)

For control of these weeds, use the application rate recommended for your state and the label on the product.

**Hard to Control Weeds:** \*Italian ryegrass (*Lolium multiflorum*), \*wild oats (*Avena fatua*) and \*wild buckwheat (*Polygonum convolvulus*)

**Note:** Control of these weeds may be variable, ranging from poor to excellent depending on timing of application, stage of growth at time of application, temperatures and soil moisture conditions following treatment.

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**RECOMMENDED APPLICATIONS  
(Broadcast Rates)**

SOIL TEXTURE	SENCOR SOLUPAK Pounds Per Acre				REMARKS
	% Organic Matter <sup>1</sup>		Spring		
	1 to 2	Over 2	1 to 2	Over 2	
<b>COARSE</b> (Sandy loam loamy sand)					Apply specified dosage per acre with aerial or ground spray equipment as a broadcast post-emergence spray for Fall and Spring application. Refer to Application section for information on timing of application and growth stages.
<b>MEDIUM</b> (Loam, silty loam sandy clay sandy clay loam)					
<b>FINE</b> (Silty clay loam clay loam clay loam)					

<sup>1</sup> Do not use on any soil containing less than 1% organic matter.  
<sup>2</sup> Silty clay loam soils are transitional soils and may be classified as either in the table or in some regions of the U.S.

**SENCOR in Combination with Other Herbicides:** SENCOR SOLUPAK may be applied as directed above or may be tank mixed with 2,4-D Banvel, Bromate or Buctril. Refer to the other registered product label for additional directions, rates, and weed species controlled.

**DRYLAND (NON-IRRIGATED)  
WINTER WHEAT ONLY**

(Arkansas, Kentucky, Louisiana, Mississippi and Tennessee)

**Weeds Controlled**

**Broadleaves**

Bittercress

(*Cardamine* spp.)

\*Buttercup

(*Ranunculus* spp.)

Carolina Geranium

(*Geranium carolinianum*)

Chickweed, Common

(*Stellaria media*)

Chickweed, Mouseear

(*Cerastium vulgatum*)

Cutleaf Evening Primrose

(*Oenothera lamarckii*)

Herbil

(*Lamium amplexicaule*)

\*Kochia

(*Kochia scoparia*)

Lambsquarters, Common

(*Chenopodium album*)

Mayweed (dog fennel)

(*Eupatorium capillatum*)

Mustard, Wild

(*Brassica kaber*)

Pepperweed, Virginia

(*Lepidium virginicum*)

Pineweeds

(*Amaranthus* spp.)

Shepherdspurse

(*Capsella bursa-pastoris*)

Wild Turnip

(*Brassica sp.*)

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**Grasses:**

Bluegrass, Annual

(*Poa annua*)

\*Cheatgrass

(*Bromus secalinus*)

\*Downy Brome

(*Bromus tectorum*)

Little Barley

(*Hordeum pusillum*)

\*Rescuegrass

(*Bromus catharticus*)

\*Ryegrass, Italian

(*Lolium multiflorum*)

Willowgrass, Vernal

(*Draba verna*)

<sup>1</sup> For control of these weeds on fine soils, use SENCOR SOLUPAK at 1.0 pound per acre.

**Note:** Control of wild buckwheat (*Polygonum convolvulus*) and winter vetch (*Vicia* spp.) may be variable with SENCOR, ranging from poor to excellent depending on growth at time of application, temperatures and moisture conditions following application.

Recommended for use only on the following wheat varieties: Abe Arthur 71 Caldwell Coker 747 Coker 762 Coker 68 15 Doublecrop Florida 302 Hunter McHarr 1003 McHarr 1513 Magnum Nelson Pike Pioneer 2550 Pioneer 2555 Saluda Southern Belle, Traveler Twa'n and Tyler.

**RECOMMENDED APPLICATIONS  
(Broadcast Rates)**

SOIL TEXTURE	SENCOR SOLUPAK <sup>1</sup> Pounds/Acre	REMARKS
<b>COARSE</b> (Sandy loam loamy sand)		Apply specified dosage per acre with aerial or ground spray equipment as a broadcast post-emergence spray for Fall and Spring application. Refer to Application section for information on timing of application and growth stages.
<b>MEDIUM</b> (Loam, silty loam sandy clay sandy clay loam)		
<b>FINE</b> (Silty clay loam clay loam clay loam)		

<sup>1</sup> Do not use on any soil containing less than 1% organic matter.

<sup>2</sup> Silty clay loam soils are transitional soils and may be classified as either in the table or in some regions of the U.S.

<sup>3</sup> Use 1.0 pound per acre for control of weeds on soils with a pH of 5.0 or lower.

**SENCOR in Combination with other Herbicides:** SENCOR SOLUPAK may be applied as directed above and may be tank mixed with 2,4-D Banvel, Bromate or Buctril. Refer to the other registered product label for additional directions, rates, and weed species controlled.

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**SPECIAL PRECAUTIONS:** Temporary chlorosis may occur after applications of SENCOR SOLUPAK to wheat, especially if frost occurs

**DRYLAND (NON-IRRIGATED)  
WINTER WHEAT ONLY**

(Georgia)

**Weeds Controlled:**

- |  |   |
|--|---|
| <b>Broadleaves:</b>  |   |
| Bittercress<br>( <i>Cardamine spp</i> )                    | Mayweed (dog fennel)<br>( <i>Eupatorium capillifolium</i> ) |
| Buttercup<br>( <i>Ranunculus spp</i> )                     | Mustard, Wild<br>( <i>Brassica kaber</i> )                  |
| Carolina Geranium<br>( <i>Geranium Carolinianum</i> )      | Pepperweed, Virginia<br>( <i>Lepidium virginicum</i> )      |
| Chickweed Common<br>( <i>Stellaria media</i> )             | Pigweeds<br>( <i>Amaranthus spp</i> )                       |
| Chickweed, Mouseear<br>( <i>Cerastium vulgatum</i> )       | Shepherdspurse<br>( <i>Capsella bursa pastoris</i> )        |
| Cutleaf Evening Primrose<br>( <i>Oenothera laciniata</i> ) | Wild Turnip<br>( <i>Brassica rapa</i> )                     |
| Henbit<br>( <i>Lamium amplexicaule</i> )                   | Wild Radish<br>( <i>Raphanus raphanistrum</i> )             |
| Kochia<br>( <i>Kochia scoparia</i> )                       |   |
| Lambsquarters Common<br>( <i>Chenopodium album</i> )       |   |
| <b>Grasses:</b>  |   |
| Bluegrass Annual<br>( <i>Poa annua</i> )                   | Little Barley<br>( <i>Hordeum pus. m</i> )                  |
| Cheatgrass<br>( <i>Bromus setarius</i> )                   | Rescuegrass<br>( <i>Bromus catharticus</i> )                |
| Downy Brome<br>( <i>Bromus tectorum</i> )                  | Ryegrass Italian<br>( <i>Lolium multicaule</i> )            |
|  | Whitlowgrass, Vernal<br>( <i>Draba verna</i> )              |

**Note:** Control of wild buckwheat (*Polygonum convolvulus*) and Winter vetch (*Vicia spp*) may be variable with SENCOR SOLUPAK, ranging from poor to excellent depending on growth at time of application, temperatures and moisture conditions following application.

Recommended for use only on the following wheat varieties: Abx Arthur 71 Caldwell Coker 747 Coker 762 Coker 797 Coker 68 15 Doublecrop Florida 302 Hunter McIntar 1003, McIntar 1813 Nelson Dasis, Omega 78 Pike Southern Belle Stacy and Tyler

**RECOMMENDED APPLICATIONS  
(Broadcast Rates)**

SOIL TEXTURE	SENCOR SOLUPAK Pounds/Acre	REMARKS
<b>COARSE</b> Sandy soil clay sand	1.5	Apply specified dosage per acre as a final pre-germinating spray. For best results, the application of winter dormancy spray at least two weeks prior to wheat sowing is recommended. If wheat has been sown during the winter, the dormancy spray should be applied before application. Do not apply for more than 75 days after planting. Application after wheat sowing but before sowing a second crop should be applied before November 15, 1964. Refer to the other product label for use and before December 15, 1964, for the area.
<b>MEDIUM</b> Loam soil silty clay sandy clay silt	1.0	

Do not use on coarse soils containing less than 1% organic matter or medium-textured soils containing less than 0.5% organic matter.

**SENCOR in Combination with other Herbicides:** SENCOR SOLUPAK may be applied as directed above and may be tank mixed with 2,4-D Banyel, Bromate or Butril. Refer to the other registered product label for additional directions, rates, and weed species controlled.

**SPECIAL PRECAUTIONS:** Temporary chlorosis may occur after applications of SENCOR SOLUPAK to wheat, especially if frost occurs.

**FOR WEED CONTROL IN A  
WHEAT/FALLOW/WHEAT  
ROTATION**

(Idaho, Oregon, Utah and Washington Only)

SENCOR SOLUPAK may be applied to provide weed control during the fallow period after wheat harvest or in the Spring before Winter wheat is planted. Winter wheat can be seeded 4 months (120 days) after Spring application. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of Winter wheat. Best results will be obtained where straw and chaff are evenly distributed across the field.

For specific application information see the "General Information" section in the front of this label.

Where weed growth is present at application time, SENCOR SOLUPAK should be applied with Gramoxone or other contact herbicide. Refer to the other product label registered for additional directions, rates, and weed species controlled.

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**Weeds Controlled:**

**Broadleaves:**

Chickweed, Common  
(*Stellaria media*)  
Henbit  
(*Lamium amplexicaule*)  
\*Kochia  
(*Kochia scoparia*)  
Lambsquarters  
(*Chenopodium album*)  
Mustard, Blue or Purple  
(*Chorispora tenella*)  
Mustard, Jim Hill  
(*Sisymbrium altissimum*)  
Mustard, Tansy  
(*Descurainia pennata*)

Mustard, Treacle  
(*Erysimum repandum*)  
Mustard, Wild  
(*Brassica kaber*)  
Pennycress, Field (Fanweed)  
(*Thlaspi arvense*)  
Pigweeds  
(*Amaranthus spp*)  
\*Russian Thistle  
(*Salsola las*)  
\*Wild Sunflower  
(*Helianthus spp*)

**Grasses:**

Cheatgrass  
(*Bromus secalinus*)  
Downy Brome  
(*Bromus tectorum*)

\*Wheat, Volunteer  
(*Triticum spp*)

\*Note: Some control of these weeds may be variable depending on moisture following application. The higher labeled rate is recommended.

**After Harvest Application (Fall Fallow):** SENCOR SOLUPAK may be applied to wheat stubble after harvest in the Fall. Apply  $\frac{1}{2}$  to  $\frac{3}{4}$  pound per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall ( $\frac{1}{2}$  inch or more) is necessary for herbicide activation. Do not plant crops in treated areas for at least 10 months following fall applications.

SENCOR SOLUPAK may be applied at  $\frac{1}{2}$  to  $\frac{3}{4}$  pound per acre as directed above for a Fall application. If other vegetation is present at the time of application use a contact herbicide.

**Spring Application (Summer Fallow):** SENCOR SOLUPAK may be applied to wheat stubble in the Spring. Apply  $\frac{1}{2}$  to  $\frac{3}{4}$  pound per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or for weeds designated as requiring higher rate for control. Rainfall ( $\frac{1}{2}$  inch or more) is necessary for herbicide activation.

**PRECAUTIONS AND RESTRICTIONS:**

Do not graze treated fields.  
Do not plant Spring seeded cereals following Fall fallow applications of SENCOR SOLUPAK.  
Where SENCOR SOLUPAK was applied in the Fall, do not apply SENCOR SOLUPAK in the Spring.

**FOR WEED CONTROL IN A FALLOW ROTATION WITH BARLEY AND WHEAT**

(Colorado, Kansas, Montana, Nebraska, and Wyoming Only)

SENCOR SOLUPAK may be applied to provide weed control during the fallow period after wheat or barley harvest or in the Spring before planting of Winter wheat or barley. Mechanical tillage or the application of a contact herbicide may be required to control weeds germinating prior to seeding of Winter wheat or barley.

Refer to "Mixing" in the "General Information" section in the front of this label.

For specific application information see the "General Information" section in the front of this label.

Where weed growth is present at application time, SENCOR SOLUPAK should be applied with Gramoxone, Roundup<sup>®</sup> or other contact herbicide. Refer to the other product label registered for additional directions, rates, and weed species controlled. Do not plant crops in treated areas earlier than 10 months following Fall applications.

**Weeds Controlled:**

**Broadleaves:**

Chickweed, Common  
(*Stellaria media*)  
Cowcockle  
(*Vaccaria pyramidata*)  
Henbit  
(*Lamium amplexicaule*)  
\*Kochia  
(*Kochia scoparia*)  
Lambsquarters  
(*Chenopodium album*)  
Mustard, Blue or Purple  
(*Chorispora tenella*)  
Mustard, Jim Hill  
(*Sisymbrium altissimum*)

Mustard, Tansy  
(*Descurainia pennata*)  
Mustard, Treacle  
(*Erysimum repandum*)  
Mustard, Wild  
(*Brassica kaber*)  
Pennycress, Field (fanweed)  
(*Thlaspi arvense*)  
Pigweeds  
(*Amaranthus spp*)  
Russian thistle  
(*Salsola las*)  
Wild Sunflower  
(*Helianthus spp*)

**Grasses:**

Cheatgrass  
(*Bromus secalinus*)  
Downy Brome  
(*Bromus tectorum*)  
\*Foxtail Green  
(*Setaria viridis*)

\*Wheat, Volunteer  
(*Triticum spp*)  
\*Wild Oats  
(*Avena fatua*)

\*Note: Some control of these weeds may be variable depending on moisture following application. The higher rate is recommended.



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### ENVIRONMENTAL HAZARDS.

Do not use on other crops grown for food or forage. Do not apply directly to water or wetlands. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label.

Do not allow sprays to drift onto adjacent desirable plants. Observe all cautions and limitations on labeling of all products used in mixtures.

**GROUND WATER ADVISORY** Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. Metribuzin has been found in ground water as a result of agricultural use. Users are advised not to apply metribuzin where the water table (ground water) is close to the surface and where the soils are very permeable (i.e. well drained soils such as loamy sands). Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

### RE-ENTRY STATEMENTS.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings should include those statements found under the sub-heading "Precautionary Statements and Re-entry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING:** area treated with SEACOR SOLUPAK herbicide (date of application). Do not enter without appropriate protective clothing until sprays have dried. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, wash with flowing water for at least 15 minutes. If swallowed, vomiting should be induced. (See Precautionary Statements on label.)

### STORAGE AND DISPOSAL.

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal.

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

**Container Disposal:** Do not use container in connection with food, feed or drinking water. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled materials. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas City Emergency Response Telephone No. is 816 242 2582 or contact Chemtrec at 800 424 9300.

Ampen is a Reg. TM of Union Carbide Agricultural Products Co. Inc.  
Banvel is a Reg. TM of Velsicol Chemical Corp.  
Bladex is a Reg. TM of Shell Chemical Co.  
Bronate and Buctid are Reg. TMs of Rhone-Poulenc Chemical Co.  
Command and Commence are Reg. TMs of FMC Corp.  
Dual and Igran are Reg. TMs of Ciba Geigy.  
Aly, Canopy, Finesse, Glean and Harmony are Reg. TMs of E. I. duPont  
de Nemours and Co.  
Gramoxone is a Reg. TM of ICI Americas, Inc.  
Cannon, Freedom, Lasso and Roundup are Reg. TMs of Monsanto Co.  
Pursuit, Prowl and Scepter are Reg. TMs of American Cyanamid Co.  
Sonalan, Surflan and Trellan are Reg. TMs of Elanco Products Co.  
X-77 is a Reg. TM of Chevron Chemical Co.

Mobay Corporation  
Agricultural Chemicals Division  
Box 4913, Kansas City, Mo. 64120

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NOT REVIEWED  
In Accordance with IR Vol. 59-1.  
Labeling Date: 10/1/90

# Sencor® SOLUPAK™ 75% Dry Flowable Herbicide In Water Soluble Packets

for control of  
certain grasses and  
broadleaf weeds.

ACTIVE INGREDIENT:	
4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one	75%
INERT INGREDIENTS	25%
	100%

EPA Reg. No. 3125-402 • EPA Est. 3125-MO-1

Sencor is a Reg. TM of Bayer AG, Germany  
SOLUPAK is a TM of Mobay Corporation.

**STOP — Read the label before use.**

**Store in a cool, dry place.**

Keep water soluble packets in this container and store in a cool, dry place but not below freezing (32°F). Entire inner packets dissolve in water. After opening this container, drop the required number of unopened inner packets into spray tank as directed. Avoid excessive handling of water soluble packets which may cause breakage.

Keep out of reach of  
children.

## CAUTION

(See side panel for Precautionary Statements.)

### Statements of practical treatment.

If in eyes, immediately flush eyes with plenty of water for at least 15 minutes. For further treatment get medical attention.

If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (½ oz. or 15 mL) of syrup of ipecac. If vomiting does not occur within 10 to 20 minutes, administer second dose. If syrup of ipecac is not available, induce vomiting by sticking finger down throat. Repeat until vomit fluid is clear. Never give anything by mouth to an unconscious person. Professional medical assistance should be secured immediately.

If on skin, wash thoroughly with soap and warm water.

To Physicians: Treat the patient symptomatically.

**DEALERS SHOULD SELL IN  
ORIGINAL PACKAGES ONLY**

**CONTAINS 5 ONE-POUND  
WATER SOLUBLE PACKETS**

**TOTAL NET CONTENTS 5 POUNDS**

### Environmental hazards.

Do not use on other crops grown for food or forage not apply directly to water or wetlands. Do not apply in weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal wastes. Apply this product only as specified on this label. Do not allow sprays to drift on to adjacent desirable plants.

Observe all cautions and limitations on labeling of all products used in mixtures.

**Ground Water Advisory:**  
Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate ground water which is used as drinking water. Metribuzin has been found in ground water as a result of agricultural use. Users are advised not to apply metribuzin where the water table (ground water) is close to the surface and where the soils are very permeable, i.e., well-drained soils such as loess sands. Your local agricultural agencies can provide further information on the type of soil in your area and the local ground water.

### Storage and disposal.

**Pesticide Disposal:** Do not contaminate water, food, feed, or storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Do not use container in contact with food, feed, or drinking water. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, if allowed by State and local authorities, by burning. If burn, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and of the reach of children, preferably in a locked storage.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away. You may contact the Mobay Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Mobay Kansas Emergency Response Telephone No. is 313-242-3562. Contact Chemrec at 800-424-8300.

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**Mobay Corporation**  
Agricultural Chemicals Division  
Box 4813, Kansas City, MO 64120



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For Complete Directions For Use See Supplemental Label Inside Bottom Flap

- Mix SENCOR SOLUPAK First**
1. Fill spray tank  $\frac{1}{4}$  to  $\frac{1}{2}$  full with clean water and start agitation/recirculation.
  2. Add required number of unopened water soluble packets to tank.
  3. Fill tank to desired level with clean water.
  4. For tank mixtures add other herbicide after SENCOR SOLUPAK has completely dissolved and after tank is filled to desired level.



# SENCOR<sup>®</sup> SOLUPAK<sup>™</sup>

**Aviso. PRECAUCION AL USUARIO:** Si usted no puede leer o entender ingles, no use este producto hasta que le entregue la hoja de explicada en castellano.  
**(TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

**Directions for use.** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For complete directions for use, see supplemental label inside bottom flap.

**IMPORTANT:** Read these entire Directions and Conditions of Sale before using SENCOR SOLUPAK 75% dry flowable herbicide.

**CONDITIONS OF SALE:** The directions on this label were determined through research to be the directions for correct use of this product. This product has been tested for a range of weather conditions similar to those weather conditions that are ordinary and customary in the geographic area where the product is used. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather, or from failure to follow label directions. In addition, failure to follow label directions may cause injury to other crops, animals, man, or the environment. Moberg offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions are beyond the control of Moberg and are, therefore, the responsibility of the buyer.

**CHEMIGATION:** Refer to supplemental label provided with this container for use directions for chemigation. Do not apply this product through any irrigation system unless the manufacturer's recommendations on chemigation are followed.

**Re-entry statements.** Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

**Caution.**  
**Precautionary statements.**  
**Hazards to humans and domestic animals.**

May be harmful if swallowed or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse.

Do not contaminate feed or food. Keep out of reach of children.

Obtain prompt medical aid if poisoning should occur. **Symptoms of Poisoning:** The compound does not cause any obvious symptoms that would be diagnostic. Poisoning is accompanied by breathing difficulties and sedation.

