

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.

Sencor

4



flowable herbicide

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.

NOT REVIEWED
In Accordance with PR Notice 6-1-68
Printed on Draft 1-1-68

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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or 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 container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully clean up spilled material to prevent runoff. Refer to:

Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides 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 9359.

781011



**Flowable Herbicide
for control of
certain grasses and
broadleaf weeds.**

ACTIVE INGREDIENTS:
4-Aminobenzyl dimethylphosphine oxide 43%
Inert Ingredients 57%
NET CONTENTS: 2.5 Gallons
KEEP OUT OF REACH OF CHILDREN.
CAUTION
Read label carefully.
Directions: For control of certain grasses and broadleaf weeds. See label for directions.
First Aid: If swallowed, induce vomiting. If in eyes, flush with water. If on skin, wash with soap and water.
Precautions: Do not use in or near water. Do not use on crops or animals. Do not use on lawns or ornamentals. Do not use on crops or animals. Do not use on lawns or ornamentals.

STOP Read the label before use.

Keep out of reach of children.

CAUTION
NET CONTENTS 2.5 GALLONS

Mobay Corporation



Agricultural Chemicals Division
Box 4913, Kansas City, Mo. 64120

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: Do not use if you do not 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 manufacturer's recommendations accompanying this container.

IMPORTANT: Read the entire Directions and Caution section before using SENCOR 4 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 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 the crop to which the product is applied, other crops, animals, man, or the environment. Mobay and the seller offer, 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.

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32-30-1-20



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781011

Flowable Herbicide
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

41%

INERT INGREDIENTS

59%

EPA Reg. No. 3125-314

100%

EPA Est. 3125 MO 1

U.S. Patent No. 3,671,523

Contains 4 pounds of 4-amino-6-(1,1-dimethylethyl)-3-
(methylthio)-1,2,4-triazin-5(4H)-one per gallon.
(EPA Reg. No. 3125-314) (EPA Est. 3125 MO 1)

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

CAUTION.

Mobay Corporation



Agricultural Chemicals Division
Box 4913 Kansas City, Mo. 64120

Aviso.

PRECAUTION 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.

This violation of Federal Law is a criminal offense that carries a fine and/or imprisonment with this labeling.

IMPORTANT: Read the entire Directions for Use and all labels before using SENCOR 4 Flowable Concentrate.

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 4, 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 4 should be kept agitated and sprayed out immediately. Do not allow tank mixes to stand for prolonged periods of time.

The proper mixing procedure for SENCOR 4 alone or in tank mix combinations with other herbicides is:

1. Fill the spray tank $\frac{1}{4}$ to $\frac{1}{2}$ full with clean water.
2. Add recommended rate of SENCOR 4 while recirculating and with agitator running.
3. Follow the triple rinse procedure described under "STORAGE AND DISPOSAL" to insure that all product is removed from the container.

preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unaffiliated 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 Number is 800-255-7254, and contact Chemagro at 800-424-8300.

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Real 100 acres at 1 pint/acre 100 pints (10 gallons) of SENCOR 4 are required

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

Do not connect an irrigation system (including overhead systems) used for pesticide application to a public water system unless the pesticide label-preferred safety instructions and the water systems are in place

A person knowledgeable of the operation of the system should be in the field during operation of the system and should be able to shut the system down in the event of a malfunction or should the need arise

The system must contain a low pressure safety device which will shut down the system in the event of a malfunction or should the need arise

The pesticide injection pump must be installed in the line between the pump and the low pressure safety device

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APPLICATION OF SENCOR 4 WITH HERBICIDE SPRAY EQUIPMENT

When used for herbicide application, SENCOR 4 should be applied at a rate of 1/2 to 1 pint per acre, depending on the type of equipment used and the type of crop being treated.

GROUND APPLICATION: Use a backpack sprayer or a tractor-mounted sprayer. Apply the herbicide in a uniform manner, covering the entire area to be treated.

BANDED APPLICATION: Use a backpack sprayer or a tractor-mounted sprayer. Apply the herbicide in a uniform manner, covering the entire area to be treated.

AERIAL APPLICATION: Use a backpack sprayer or a tractor-mounted sprayer. Apply the herbicide in a uniform manner, covering the entire area to be treated.

WATER APPLICATION: Use a backpack sprayer or a tractor-mounted sprayer. Apply the herbicide in a uniform manner, covering the entire area to be treated.

FOUR APPLICATIONS OF SENCOR 4

When used for herbicide application, SENCOR 4 should be applied at a rate of 1/2 to 1 pint per acre, depending on the type of equipment used and the type of crop being treated.

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When using the sprayer, the nozzle should be held at a distance of 18 inches from the crop. The nozzle should be held at a distance of 18 inches from the crop. The nozzle should be held at a distance of 18 inches from the crop.

Sprayer Cleanup - After use, the sprayer should be cleaned thoroughly. The nozzle should be removed and cleaned. The tank should be flushed with water. The sprayer should be stored in a clean, dry place.

APPLICATION OF SENCOR 4 IN FLUID FERTILIZERS.

When using Sencor 4 in fluid fertilizers, the application rate should be 1.5 to 2.0 pounds of Sencor 4 per acre. The fertilizer should be applied in a band or broadcast manner.

COMPATIBILITY CHECK

Before mixing Sencor 4 with other fertilizers or pesticides, a compatibility check should be performed. This can be done by mixing a small amount of the products in a glass jar and observing the mixture for any signs of incompatibility, such as clumping or precipitation.

The compatibility check should be performed before mixing Sencor 4 with any other product.

INTERPRETATION OF RESULTS

After application, the results of the treatment should be observed. If the crop shows signs of improvement, the treatment was successful. If not, further action may be required.

TANK MIXING GUIDELINES

When mixing Sencor 4 with other products in a tank, the following guidelines should be followed: 1. Add water to the tank first. 2. Add Sencor 4 next. 3. Add other products last. 4. Mix thoroughly before application.

COMMERCIAL IMPREGNATION AND APPLICATION OF SENCOR 4 ON DRY BULK FERTILIZER.

When using Sencor 4 on dry bulk fertilizer, the application rate should be 1.5 to 2.0 pounds of Sencor 4 per acre. The fertilizer should be applied in a band or broadcast manner.

IMPREGNATION

When impregnating dry bulk fertilizer with Sencor 4, the fertilizer should be placed in a container and Sencor 4 should be added. The mixture should be stirred thoroughly to ensure even impregnation.

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to determine the amount of SENCOR 4 which is to be incorporated
of 1400 lb of dry bulk fertilizer based on the amount of fertilizer which
is to be distributed on one acre

$$\text{Pfr Acre} \times \frac{2000}{\text{lbs Fertizer Per Acre}} = \text{Pfr SENCOR 4 Per Acre Fertizer}$$

APPLICATION: Uniform application is essential for satisfactory blood testing. Accurate calibration of the test application equipment is essential for uniform distribution of the test volume. The recommended method of application is to apply the recommended volume of sample to develop 50 percent to 60 percent wetting of the test strip. Plan the test carefully to obtain the best calibration of the test.

When materials are excessively dusty, use a dust or other suitable additive to reduce dust prior to preparation. As dusty lot material may result in poor distribution during application, Crop Protection Company recommends the use of dust or other suitable additive to improve distribution.

INCORPORATION AND COMBINATION USES: When 3-ENCOH 4 is to be used in combination with another herbicide, it may be mixed on this label for combinations, rates, and/or incorporation and specific precautions.

SOYBEANS

(except California)

[illegible]

SPECIAL PRECAUTIONS (SOYBEANS).

SPECIAL PRECAUTIONS (SOYBEANS).
 Do not use soybeans as seed when SEAC is present in the soil.

- not recommended for use in certain circumstances.

- [illegible]

ACTIVATION: A minimum amount of soil moisture is required to activate GLNCR 4. In areas with a relatively premoistened upper 1/2 inch of soil, it could be broadcast and light irrigation or a light rain of water. Do not apply heavy irrigation immediately after application. As with many surface applications of water-soluble fertilizers, the results may vary slightly, depending on the soil.

GRAZING AND FEEDING TREATED VINES—Treated vines may be grazed or fed to livestock 40 days after application of EGN-CR. Do not apply to vines with trifoliate leaves. Do not graze or feed vines to dairy cattle, horses, goats, sheep, or swine.

1. The first step is to identify the problem. In this case, the problem is that the company is not making enough profit. The second step is to analyze the problem. The third step is to develop a solution. The fourth step is to implement the solution. The fifth step is to evaluate the results.

RATE RANGES

REPLANTING

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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 Sulfan
SENCOR plus Amben
SENCOR plus Gramoxone
SENCOR plus Lasso & Gramoxone
SENCOR plus Sulfan & Gramoxone
Etrifend Split Shot
SENCOR plus Sulfan
SENCOR plus Imuron plus
Lasso or Dual

ANNUAL BROADLEAF WEEDS

SENCOR Alone
SENCOR Split Shot
SENCOR plus Treflan
SENCOR plus Dual
SENCOR plus Prowl
SENCOR plus Lasso
SENCOR plus Sulfan
SENCOR plus Amben
SENCOR plus Gramoxone
SENCOR plus Lasso & Gramoxone
SENCOR plus Sulfan & Gramoxone
Etrifend Split Shot
SENCOR plus Sulfan
SENCOR plus Imuron plus
Lasso or Dual

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ANNUAL
BROADLEAF WEEDS[illegible]

ANNUAL GRASSES

1. Name	C. C. C. C. C. C. C.
2. Address	C. C. C. C. C. C. C.
3. Phone No.	C. C. C. C. C. C. C.
4. Date of Birth	C. C. C. C. C. C. C.

ANNUAL GRASSES

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ANNUAL GRASSES

	SENCOR Alone	SENCOR Split Shot	SENCOR plus Treflan	SENCOR plus Dual	SENCOR plus Piv-1	SENCOR plus Lasso	SENCOR plus Sulfan	SENCOR plus Ambien	SENCOR plus Gramoxone	SENCOR plus Lasso & Gramoxone	SENCOR plus Sulfan & Gramoxone	SENCOR plus Split Shot	SENCOR plus Sulfan	SENCOR plus Ambien plus Lasso or Dual
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F
St. Augustine	F	F	F	F	F	F	F	F	F	F	F	F	F	F

SENCOR HERBICIDE ALONE.

SENCOR Herbicide (Alone) Preemergence Application
 The following rates of SENCOR 4 may be applied pre-emergence 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 4 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.

PINTS OF SENCOR 4 PER ACRE	ORGANIC MATTER		
	Less than 2%	2 to 4%	Over 4%
COARSE SOILS (Sandy loam, loamy sand, sand)	1.0 to 1.5	1.0	1.0
MEDIUM SOILS (Sandy loam, loamy sand, sand)	1.0 to 1.5	1.0	1.0
FINE SOILS (Sandy loam, loamy sand, sand)	1.0 to 1.5	1.0	1.0
Mississippi Delta Only	1.0 to 1.5	1.0	1.0

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USES OF SENCOR 4 IN COMBINATIONS WITH OTHER HERBICIDES.

SEQUENTIAL APPLICATION OF SCEPTER FOLLOWING SENCOR 4: If needed, application of SENCOR 4 alone or in a registered tank mix according to directions on this label, may be followed by an early postemergence application of Scepter 1.5 AS for control of cocklebur. Apply 1/2 pint of Scepter in a minimum of 20 gallons of water per acre when cockleburs are less than 6 inches tall and are actively growing. 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 1/2 pints of Scepter 1.5 AS 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 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 50 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 4 tank mixed with either Trellan, Lasso, Dual, Prowl or Sonalan and followed by a preemergence surface application of SENCOR 4 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. Carefully observe the "Special Precautions" section concerning the use of SENCOR 4 in tank mix combinations on soybeans.

When a Split-Shot application of SENCOR 4 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 4 pre-emergence 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 pre-emergence 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.

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Split-Shot Application

SOIL TEXTURE ¹⁾	Preplant Incorporated Tank Mix Application		Followed by		Premergerence Overlay Application	
	Rate of Combination Product per Acre	Rate of SENCOR 4 per Acre			Rate of SENCOR 4 per Acre	ORGANIC MATTER
COARSE (Sandy, sandy loam, loam, silty loam, silty clay, sandy clay)	2 1/2 to 3	1/2		FOLLOWED BY	Less than 2%	2 to 4%
MEDIUM (Sandy loam, loam, silty loam, silty clay, sandy clay, silty clay loam, sandy clay loam, silty clay loam, sandy clay loam)	2 1/2 to 3	1/2		FOLLOWED BY	2 to 4%	Over 4%
FINE (Sandy clay loam, silty clay loam, silty clay loam, sandy clay loam, silty clay loam, sandy clay loam, silty clay loam, sandy clay loam)	2 1/2 to 3	1/2		FOLLOWED BY	2 to 4%	Over 4%

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

²⁾ 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.

³⁾ Use the lower rate of SENCOR 4 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 with a field vary extremely in texture or organic matter content.

⁴⁾ Reduce this premergence overlay rate of SENCOR 4 by 1/4 per 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 4 tank mixed with either Dual or Lasso followed by a premergence 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 4 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 premergence 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.

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Extended Split-Shot Application

SOIL TEXTURE ¹	Early Preplant Tank Mix Application (Surface Applied or Shallow Incorporated)		Followed by -		Preemergence Overlay Application	
	Rate of Combination Product/acre	Plus	Rate of SENCOR 4/acre	Rate of Combination Product/acre	Plus	Rate of SENCOR 4/acre
COARSE Sandy loam, loamy sand, loam	1.0 to 1.5		1.0	1.0 to 1.5		1.0
MEDIUM Sandy clay loam, loam, silty clay loam	1.0 to 1.5		1.0	1.0 to 1.5		1.0
FINE Silty clay loam, silty clay, clay, clay loam	1.0 to 1.5		1.0	1.0 to 1.5		1.0

¹ Silty clay loam, silty clay, clay, clay loam, and loam are transitional soils and may be classified as either sand or silt in some regions of the U.S. On certain textured soils, do not use SENCOR 4 at rates greater than 1.0 lb. a.i./acre. Do not use SENCOR 4 on soils with a calcareous surface area or a pH of 7.5 or higher. Do not use SENCOR 4 on soils with a calcareous surface area or a pH of 7.5 or higher, and in those areas where crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

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SENCOR PLUS SONALAN

SENCOR PLUS SONALAN OVERLAY APPLICATION: SENCOR 4 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 4 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 "Mixing" under 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 4 lbs./acre	Sonalan 3 EC lbs./acre
COARSE Sandy loam, loamy sand	1.0	1.0
MEDIUM Sandy clay loam, loam, silty clay loam	1.0	1.0
FINE Silty clay loam, silty clay, clay, clay loam	1.0	1.0

¹ Do not use on coarse soils with less than 1% organic matter.

² Silty clay loam soils are transitional soils and may be classified as either sand or silt in some regions of the U.S.

³ For control of lambquarters, redroot pigweed, wild mustard, and yellow foxtail on alkaline (sodic) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR 4 at 1.0 lb. a.i./acre, plus 0.5 lb. a.i./acre of Sonalan 3 EC. Do not use on these crops if the soil is saline (sodic) or if the soil pH is less than 7.5 and wind pressure is heavy. The combination of SENCOR 4 plus Sonalan can be applied to a wide range of soils for the control of other weeds not listed on the label. Use SENCOR 4 at the broadcast rate shown 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 4 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 4 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 4 plus Treflan tank mix combination may be applied and incorporated into the soil up to 10 days before planting.

Mixing: Refer to "MIXING" under 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 4 plus Treflan to the soil surface and incorporate in the same operation, if possible. Variable weed control may result from delayed incorporation if SENCOR 4 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 4 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.

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BROADCAST RATES

SOIL TEXTURE	SENCOR 4 Pints per Acre	Treflan EC Pints per Acre
COARSE ¹ (Sandy loam, loamy sand)	1 $\frac{1}{2}$	1
MEDIUM (Loam, silt loam, silt sandy clay, sandy clay loam) ²	1 $\frac{1}{2}$	1 $\frac{1}{2}$
FINE (Silty clay, silty clay loam, clay clay loam) ³	2	2

¹ Do not use on coarse soils with less than 1% 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 For control of lambquarters, redroot pigweed, wild mustard, and green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR at rates of 1 $\frac{1}{2}$ pint/acre on medium soils and 1 $\frac{1}{2}$ to 2 pints/acre on fine soils regardless of soil organic matter percentage (use 1 $\frac{1}{2}$ pint/acre where soil pH is less than 7.5 and weed pressure is heavy). The 1 $\frac{1}{2}$ pint/acre of SENCOR in tank mix combination with Treflan can be applied regardless of soil pH. For control of other weeds listed on the label, use SENCOR 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.

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): 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, do not plant either crop for 18 months after the tank mix application. Cool wet weather conditions during the

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 in 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 4 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, rototilling cultivator, or similar implement.

Apply SENCOR 4 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 4 plus Dual tank mixture may reduce effectiveness. If weeds develop, cultivate uniformly with shallow tilling equipment such as a rotary hoe that will not damage soybeans.

Mixing Instructions: Refer to "MIXING" under the "GENERAL INFORMATION" section in the front of this label.

For information on applying SENCOR 4 in fluid or dry fertilizer refer to the "Application Of SENCOR 4 in Fluid Fertilizers" or "Commercial Impregnation And Application Of SENCOR 4 On Dry Bulk Fertilizer" under the "GENERAL INFORMATION" section in the front of this label.

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BROADCAST RATES: SENCOR plus Dual Tank Mix Preemergence Applications

SOIL TEXTURE	ORGANIC MATTER			
	0.5% to 3%		Over 3%	
	SENCOR 4 (pts/acre)	Dual 8E (pts/acre)	SENCOR 4 (pts/acre)	Dual 8E (pts/acre)
COARSE* (loamy sand, sandy loam)	1	1 1/4	1	1 1/2
MEDIUM (loam, silt loam, silty loam)	1	1	1	1
FINE (silty clay loam, sandy clay loam, silt clay, silty clay, clay loam, clay)	1	2	1 to 1 1/4	2 to 2 1/2
Mississippi Delta Only (silty clay loam)	1	2	1 1/2	2 to 2 1/2

* Do not use on sand soils. Do not apply SENCOR 4 and Dual overlay or tank mix preemergence on loamy sand with less than 2% organic matter.

† Silty clay loam soils are transitional soils and may be less than medium texture. See the appropriate 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 4 (pts/acre)	Dual 8E (pts/acre)	SENCOR 4 (pts/acre)	Dual 8E (pts/acre)
COARSE* (loamy sand, sandy loam)	1	1 1/4	1	1 1/2
MEDIUM (loam, silt loam, silty loam)	1	1	1	1
FINE (silty clay loam, sandy clay loam, silt clay, silty clay, clay loam, clay)	1	2	1 to 1 1/4	2 to 2 1/2
Mississippi Delta Only (silty clay loam)	1	2	1 1/2	2 to 2 1/2

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7. Silt may form 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 4 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 "Application" under the "General Information" section in the front of this label.

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

For information on applying SENCOR 4 in fluid or dry fertilizer refer to "Application Of SENCOR 4 In Fluid Fertilizers" or "Commercial Impregnation And Application Of SENCOR 4 On Dry Bulk Fertilizer" under 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, "Bootheel" Region and Coastal Plains of Delaware*, Maryland*, New Jersey* and Virginia*.

*SENCOR plus PROWL is not recommended for use in the 2 "Bootheel" counties of the "Bootheel" Region of New Jersey, and in the "Bootheel" Region of Maryland.

BROADCAST RATES:

SENCOR plus Prowl Tank Mix Applications

SOIL TEXTURE	SENCOR 4 (pts./acre)	Prowl (pts./acre)
COARSE* (Sandy, loamy sandy soils)	1.0	1.0
MEDIUM (Loam, clay loam, silty sandy loam)	1.0	1.0
FINE (Silt, silty clay, silty clay loam)	1.0	1.0

*Do not use on sand soils. Do not use on soils with less than 1% organic matter.

*Silt, clay, and silty soils are best managed by using the preplant incorporated application method.

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			
	to 3%		Over 3%	
	SENCOR 4 (pts./acre)	Prowl (pts./acre)	SENCOR 4 (pts./acre)	Prowl (pts./acre)
COARSE*	1.0	1.0	1.0	1.0
MEDIUM	1.0	1.0	1.0	1.0
FINE	1.0	1.0	1.0	1.0

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¹ Do not use on sand soils. Do not use on heavy 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 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 4 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% to 3% Organic Matter		Greater than 3% Organic Matter	
	SENCOR 4 + Lasso (pts./acre)	SENCOR 4 + Lasso (qts./acre)	SENCOR 4 + Lasso (pts./acre)	SENCOR 4 + Lasso (qts./acre)
COARSE¹ (Sandy loam)	1 + 1 1/2 to 2	1/2 + 1 1/2 to 2	1/2 + 1 1/2 to 2	1/2 + 1 1/2 to 2
MEDIUM² (Loam, silty loam, silty loam, silty clay, silty clay loam)	1/2 + 1 1/2 to 2	1 + 1 1/2 to 2	1 + 1 1/2 to 2	1 + 1 1/2 to 2
FINE² (Silty clay, silty clay loam, clay, clay loam)	1 + 2	1 to 1 1/2 + 2 to 2 1/2	1 to 1 1/2 + 2 to 2 1/2	1 to 1 1/2 + 2 to 2 1/2
Mississippi Delta Only (Silty clay to heavy clay)	SENCOR (pts./acre) + Lasso (qts./acre)			
	2	2	2 1/2	2 1/2

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¹ Do not use SENCOR 4 plus Lasso on sand or loamy sand soils with less than 2% organic matter.

² For control of lambquarters, redroot pigweed, wild mustard, green and yellow foxtails, or a hairy (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota, apply SENCOR 4 at rates of 1/2 pt. to 1 qt. per acre, plus Lasso at 1 1/2 to 2 qts. per acre, regardless of soil organic matter percentage, plus 1 qt. per acre of Lasso on soils with less than 2% organic matter and weed pressure is heavy. The 1 qt. per acre rate of SENCOR 4 in a tank mix combination with Lasso can be applied regardless of soil pH. For control of other weeds use SENCOR 4 at 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.

³ 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 "Application" under the "General Information" section in the front of this label.

Apply SENCOR 4 plus Lasso 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 4 (pts./acre)	Lasso (qts./acre)
COARSE¹ (Loam, sand (over 2% organic matter), silty loam)	1/2	2 to 2 1/2
MEDIUM² (Loam, silty loam, silty loam)	1/2	2 to 2 1/2
FINE² (Silty clay loam, silty clay loam, silty clay, silty clay loam)	1	2 to 2 1/2
Mississippi Delta Only (Silty clay to heavy clay)	SENCOR 4 (pts./acre) + Lasso (qts./acre)	
	1 to 1 1/2	2 to 2 1/2

¹ Do not use SENCOR 4 plus Lasso on sand or loamy sand soils with less than 2% organic matter.

² For control of lambquarters, redroot pigweed, wild mustard, green and yellow foxtails, or a hairy (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota, apply SENCOR 4 at rates of 1/2 pt. to 1 qt. per acre, plus Lasso at 1 1/2 to 2 qts. per acre, regardless of soil organic matter percentage, plus 1 qt. per acre of Lasso on soils with less than 2% organic matter and weed pressure is heavy. The 1 qt. per acre rate of SENCOR 4 in a tank mix combination with Lasso can be applied regardless of soil pH. For control of other weeds use SENCOR 4 at 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.

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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SENCOR PLUS SURFLAN

SENCOR PLUS SURFLAN TANK-MIX APPLICATION: SENCOR 4 may be used in a tank mix combination with Surflan A.S. as a pre-emergence 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 "Mixing" under 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 of 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 4 (pts/acre)	Surflan A.S. (qts/acre)
COARSE (Sandy, sandy loam, loess, sand)	1.0	1.0 to 1.5
MEDIUM (Loam, silt loam, silty loam, sandy clay loam)	1.0	1.0 to 1.5
FINE (Silty clay, clay, clay loam, clay, clay loam)	1.0	1.0 to 1.5
Mississippi Delta Dry	1.0 to 1.5	1.0 to 1.5

* Not recommended on soils with more than 2% organic matter. Do not use on soils containing more than 5% organic matter.

* Silty clay loam soils are breaking up and may be washed away by heavy rain. Soil in some regions in 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.

SENCOR PLUS AMIBEN

SENCOR PLUS AMIBEN PREEMERGENCE TANK MIX APPLICATION: SENCOR 4 may be applied in a tank mix combination with Amiben 2 as a band or broadcast application to soybeans.

BROADCAST RATES:

SOIL TEXTURE	1 to 2% Organic Matter		Greater than 2% Organic Matter	
	SENCOR 4 + Amiben 2 (pts/acre)	(gals/acre)	SENCOR 4 + Amiben 2 (pts/acre)	(gals/acre)
COARSE (Sandy, sandy loam, loess, sand)	1.0	1.0 to 1.5	1.0	1.0 to 1.5
MEDIUM (Loam, silt loam, silty loam, sandy clay loam)	1.0	1.0 to 1.5	1.0	1.0 to 1.5
FINE (Silty clay, clay, clay loam, clay, clay loam)	1.0	1.0 to 1.5	1.0	1.0 to 1.5
Mississippi Delta Organic	SENCOR (pts/acre) + Amiben (gals/acre)			

Do not use on much soils.

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

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SENCOR PLUS COMMAND TANK MIX APPLICATION

SENCOR 4 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.

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

Application: SENCOR 4 plus Command 4EC may only be applied with ground equipment as a preplant or shallow incorporated application. SENCOR 4 plus Command 4EC 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*, Fimbristylis (Green, Giant, Yellow*, Robust Purple), Goosegrass, Johnsongrass (seedling), Fall Panicum*, Texas Panicum, and witchgrass.

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

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BROADCAST RATES:

Soil Texture ¹	ORGANIC MATTER			
	0.5 to 3%		Over 3%	
	SENCOR 4 (pts/acre)	Command 4 EC (pts/acre)	SENCOR 4 (pts/acre)	Command 4 EC (pts/acre)
Coarse² (Sandy loam, loamy sand)	1/2	1 1/2	1/2	1 1/2
Medium (Loam, silty loam, silty sandy clay, sandy clay loam)	1/2-3/4	1 1/2-2	1/2-3/4	1 1/2-2
Fine (Silty clay, silty clay loam, clay, clay loam)	1/2-3/4	1 1/2-2	1/2-3/4	1 1/2-2

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 classed 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 COMMAND PLUS A GRASS HERBICIDE

SENCOR PLUS COMMAND PLUS A GRASS HERBICIDE TANK MIX APPLICATION: SENCOR 4 may be applied with Command and a grass herbicide (Treflan, Lasso, Dual, Prowl or Sotalan) 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 4 and Command 4EC plus a grass herbicide may be applied preplant incorporated broadcast. Consult the Command, Treflan, Lasso, Dual, Prowl or Sotalan labels for specific directions for use, recommendations, restrictions and additional weeds controlled not specified on this label.

Mixing: Refer to "Mixing" under 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:

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

Annual Broadleaves	
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 4 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) D = Lasso (qt/acre)
B = Dual (pt/acre) E = Sonalan (pt/acre)
C = Prowl (pt/acre)

SOIL ¹ TEXTURE	A	B	C	D	E	SENCOR 4 (pts/acre)	Command 4 EC ² (pts/acre)
COARSE	1	1 1/4 - 1 1/2	1 1/2	2 2 1/2	1 1/2 - 2	1/2	1/2 to 3/4
MEDIUM	1 1/2	1 1/2 - 2	1 1/2 - 2	2 1/2 - 3	1 1/2 - 2 1/2	1/2 to 3/4	1/2 to 3/4
FINE	2	2 2 1/2	1 1/2 - 2 1/2	2 1/2 - 3	2 1/2 - 3	3/4 to 1 1/4	1/2 to 3/4

¹ 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, and on other soils where soils with a texture vary extremely in texture or organic matter content.

² The higher rate of SENCOR 4 is recommended for the control of soybean and fallow. Use the lower rate of SENCOR 4 in the preplant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and on other soils where soils with a texture vary extremely in texture or organic matter content.

³ Higher rate is recommended under moderate to heavy weeds. Rate 1 1/2.

SENCOR PLUS SCEPTER PLUS A GRASS HERBICIDE

SENCOR PLUS SCEPTER PLUS A GRASS HERBICIDE TANK MIX APPLICATION: SENCOR 4 may be applied with Scepter and a grass herbicide (Treflan, Lasso, Dual, Prowl or Sonalan) for the control of certain broadleaf weeds and grasses in soybeans. SENCOR 4 and Scepter plus Treflan or Sonalan may be applied preplant incorporated broadcast. SENCOR 4 and Scepter plus Lasso, Dual or Prowl may be applied preplant incorporated, pre-emergence 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 "Mixing" under the "General Information" section in the front of the SENCOR 4 label.

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

Weeds Controlled: SENCOR 4 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 (seedling)
Browntop millet	Panicum, Fall
Crabgrass	Witchgrass
Crowfootgrass	

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Buffalo bur
 Carpetweed
 Cocklebur
 Coffee Senna
 Copperleaf, Hophornbeam
 Florida Beggarweed
 Florida Pusley
 Galinsoga
 Jimsonweed
 Knotweed
 Kochia
 Lambsquarters
 Morningglory, pitted
 Morningglory, smallflower
 Pigweeds
 Ragweed, Common
 Redweed
 Russian Thistle
 Sesbania
 Shepherds-purse
 Sicklepod
 Smartweeds
 Spotted spurge
 Spurred Anoda
 Sunflower
 Velvetleaf
 Venice mallow
 Wild mustards

SENCOR and Scepter plus Treflan, Lasso, Dual, Prowl will provide suppression (reduce the competition) of ivy, tall morningglory, and red rice.

RECOMMENDED APPLICATION (BROADCAST RATES)

A = Treflan (qt/acre)
 B = Dual (qt/acre)
 C = Prowl (qt/acre)
 D = Lasso (qt/acre)
 E = Sesbania (qt/acre)

SOIL TEXTURE	A	B	C	D	E	SENCOR 4 (lbs/acre)
COARSE	1	1 1/2	1 1/2	2 1/2	1 1/2	1 1/2
MEDIUM	1 1/2	1 1/2	1 1/2	2 1/2	1 1/2	1 1/2
FINE	2	2 1/2	1 1/2	2 1/2	2 1/2	1 1/2

* Refer to "Soil Texture" for specific soil classification. On coarse textured, calcareous surface area or a pH of 7.5 or higher do not use on heavy soils with less than 1% organic matter.

* The higher rate of SENCOR 4 is recommended for preemergence tank mix and for the control of sicklepod and hemp sesbania. Use the lower rate of 1 1/2 for the preplant incorporated tank mix on soils having a calcareous surface of 7.5 or higher, and in those situations where soils within a field vary in texture or organic matter content.

* Higher rate is recommended under or prior to heavy weed infestations.

SENCOR PLUS LINURON PLUS (LASSO OR DUAL)

SENCOR PLUS LINURON PLUS (LASSO OR DUAL): APPLICATION: SENCOR 4 may be applied in combination with Linuron and Lasso 4 or Dual 8 EC as a preemergence application for the control of certain weeds in soybeans. Consult the Lasso, or Dual label for specific directions for use, restrictions, restrictions and any additional weeds not specified on label.

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

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

BROADCAST RATES: (0.5 to 3% Organic Matter Only)

SOIL TEXTURE	SENCOR 4 (lbs/acre)	Linuron 50 WP or 4 L (lbs/acre) or (qt/acre)	Lasso 4 or Dual 8 (qt/acre)
COARSE* (Sandy loamy sand, loamy sand)	1 to 1 1/2	1 to 1 1/2	1 to 1 1/2
MEDIUM (Loam, silt loam, silty loam, sandy clay, silty clay loam)	1 1/2 to 2	1 to 1 1/2	1 to 1 1/2
FINE (Silty clay, silty clay loam, clay, clay loam)	2 to 2 1/2	1 to 1 1/2	1 to 2

* DO NOT USE SENCOR plus Linuron plus (Lasso or Dual) on Spodosols with less than 1% organic matter.

* Silty clay loam soils are transitional soils and may be classified as either Spodosols or Mollisols in some regions of the U.S.

SPECIAL PRECAUTIONS (SENCOR PLUS LINURON PLUS (LASSO OR DUAL): For additional precautions, restrictions, and sprayer clean-up information, refer to the application sections of this label and the Linuron label and the 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 and Virginia.

SENCOR herbicide is recommended alone or in combination with Treflan, 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 Treflan, Lasso, Dual, Surflan or Amben label for specific directions for use, recommendations, restrictions and any additional weeds not specified on this label.

Mixing: Refer to "Mixing" under 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 4 (pts/acre)
COARSE (LIGHT) SOILS Sandy, Loamy Sand, Sandy Loam	0.5% or above	1.5 to 2.0

* Not recommended for use on sand with less than 1% organic matter.

* Use the higher rate under heavy weed pressures and on soils with high organic matter.

SENCOR IN COMBINATION WITH OTHER HERBICIDES:
SENCOR 4 is recommended in a tank-mix combination with Treflan as a preplant incorporated application or as a pre-emergence overlay application following a preplant incorporated application of Treflan. SENCOR 4 is also recommended for use as a preemergence application in combination with Lasso, Dual, Surflan or Amben.

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BROADCAST RATES:

SOIL TEXTURE	Organic Matter	Combination Product Acre	Plus SENCOR 4 (pts/acre)
COARSE (LIGHT) SOILS Sandy, Loamy Sand, Sandy Loam	0.5% or above	Preplant incorporated Treflan 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 pt.	1.5 to 2.0

* Not recommended for use on sand with less than 1% organic matter.

* Use the higher rate under heavy weed pressures and on soils with high organic matter.

SPECIAL PRECAUTIONS: 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 Amben labels.

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 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 1/2 to 2 1/2 pints of Gramoxone Super plus 1/2 to 2 pints SENCOR 4 according to the recommendations for SENCOR 4 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 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. The mixture will not control weeds taller than 6 inches.

AND GRAMOXONE

SENCOR PLUS LASSO AND GRAMOXONE TANK MIX APPLICATION: Apply 1½ to 2½ pints of Gramoxone Super plus 2 to 2½ quarts Lasso 4 E.C. plus ½ to 2 pints SENCOR 4 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 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 4 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

SOIL TEXTURE	BROADCAST RATES Per Acre		
	SENCOR 4	Surflan A.S.	Gramoxone Super
COARSE	1.5 pints	4.0 quarts	1.0 quart
MEDIUM	1.0 pint	1.0 quart	1.0 quart
FINE	0.5 pint	1.0 quart	1.0 quart

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*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 "Mixing" under 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 the SENCOR 4, Surflan and Gramoxone labels.

SENCOR PLUS 2,4-D LOW VOLATILE ESTER

SENCOR 4 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. Apply 1 pound active ingredient (ai) per acre of 2,4-D low volatile ester with labelled rates of SENCOR 4. Where a grass herbicide is used in the tank mix, apply at the rates specified on that product's label. Application is recommended 60 days prior to planting.

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

POSTEMERGENCE DIRECTED SPRAY APPLICATIONS: SENCOR 4 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 4 can be applied to soybeans in addition to a preemergence or preplant application of SENCOR herbicide according to label directions.

Weeds Controlled: SENCOR 4, 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 pint/acre	Sicklepod (<i>Cassia obtusifolia</i>)
Florida beggarweed (<i>Desmodium illinoense</i>)	Velvetleaf (<i>Abutilon theophrasti</i>)
Pigweeds (<i>Amaranthus</i> spp.)	Crabgrass (<i>Digitaria</i> spp.)
Carpetweed (<i>Mollugo verticillata</i>)	1/2 to 1 pint/acre
Cocklebur (<i>Xanthium pennsylvanicum</i>)	Sesbania (<i>Sesbania</i> spp.)
Dayflower (<i>Commelina</i> spp.)	Prickly leaf-weed (<i>Sida spinosa</i>)
Mexicanweed (<i>Caperonia castanifolia</i>)	1 pint/acre
Purslane (<i>Portulaca oleracea</i>)	Ragweed common (<i>Artemisia</i> spp.)

At the rate of 1 pint/acre morningglory species, (*Ipomoea* spp.) horse-nettle, (*Solanum* spp.) Florida pusley, (*Richardia scabra*) spotted spurge (*Euphorbia maculata*) and wild poinsettia (*Euphorbia heterophylla*) are suppressed when SENCOR 4 is applied before these weeds are 3 inches tall. The 1 pint/acre rate will suppress broadleaf signalgrass (*Bracharia platyphylla*) up to 1 inch tall.

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SENCOR Postemergence Directed Spray Applications RECOMMENDED APPLICATIONS:

CROP	SENCOR 4 (pints/acre)	REMARKS
Soybeans Alabama Arkansas Florida Georgia Kentucky Louisiana Mississippi Missouri North Carolina Oklahoma South Carolina Tennessee and Texas	1/2 to 1 broadcast basis	Apply proper dosage and follow directions of water temperature and spray nozzle. Do not band on each side of row with soybeans are 8 inches tall and before grasses and other broadleaves are 1 inch tall. Do not band on the spray line at cover weed foliage with morningglory no contact with soybean foliage. Add a non-ionic surfactant such as 2500 or 77 to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct dosage, see SENCOR 4 for a Band application. See General Application under Application section for more 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 plants until harvest. Do not use directed spray on soybean foliage with 20 days after harvest.

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 4 postemergence to sensitive soybean varieties. See Special Precautions on 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 for emergency. Do not apply under weather conditions which favor drift.

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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 4 before weeds are 1-inch tall. Refer to special precautions for potatoes for additional information.

Ground Application: SENCOR 4 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 4 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 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 4, applied preemergence to potatoes according to directions, will effectively control:

Broadleaves:

Carpetweed
(*Mollugo verticillata*)
Cocklebur
(*Xanthium pennsylvanicum*)
Jimsonweed
(*Datura stramonium*)
Lambsquarters
(*Chenopodium album*)
Pigweeds
(*Amaranthus spp.*)

Ragweed, Common
(*Ambrosia artemisiifolia*)
Shepherdspurse
(*Capsella bursa-pastoris*)
Sicklepod
(*Cassia obtusifolia*)
Smartweed, Pennsylvanian
(*Polygonum pennsylvanicum*)
Wild Mustards
(*Brassica spp.*)

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Grasses:

Broadleaf Signalgrass
(*Bracharia 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 1/2 to 1 pint 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 maximum of 1 pint per acre must be used. When less than 1 pint 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 4, 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 4, applied early postemergence to potatoes according to directions, will effectively control:

Broadleaves:

Cocklebur
(*Xanthium pennsylvanicum*)
Lambsquarters
(*Chenopodium album*)
Pigweed, Redroot
(*Amaranthus retroflexus*)

Ragweed, Common
(*Ambrosia artemisiifolia*)
Russeted Root
(*Salsola kali*)
Smartweed, Pennsylvanian
(*Polygonum pennsylvanicum*)

Grasses:

Foxtails
(*Setaria spp.*)

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emergence 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 BROADCAST APPLICATIONS:

CROP	SENCOR 4 (lbs/acre)	REMARKS
Potatoes	1 to 2	PREEMERGENCE: Apply specified dosage per acre as a broadcast spray to the soil surface after plowing and before crop emergence or after drag and this operation is performed in a natural 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	1/2 to 1	POSTEMERGENCE: Apply specified dosage per acre as a broadcast spray over the tops of potato plants. Use rates of 1/2 to 1 pt. for control of redroot pigweed and lambquarters only. Apply the 1 pt. rate for control of other weeds listed on this label. Do not apply within 60 days of harvest. SPLIT APPLICATIONS: This product may be applied once preemergence and once postemergence as directed above. Do not apply postemergence within 60 days of harvest. IDAHO, OREGON AND WASHINGTON ONLY: Two postemergence applications can be made as broadcast sprays over the tops of potato plants. SENCOR 4 may be applied preemergence and once postemergence for control of redroot pigweed and lambquarters only. On coarse textured soils with low organic matter, increase seed to post emergence application. On medium and heavy soils, use 1 pt. per acre for control of other weeds listed on this label. Make the first application early in the season when weeds are small. Allow at least 14 days before the second application. For best control, both applications should be made before the crop is in the tuber stage. Do not apply within 60 days of harvest.

SPRINKLER IRRIGATION APPLICATION TO POTATOES: SENCOR 4 may be applied early postemergence to potatoes in high center pivot, permanent solid set, or self-propelled lateral move irrigation systems as directed on this label. Refer to Chemical section of this label for directions.

CROP	SENCOR 4 (pts/acre)	REMARKS
Potatoes (russetted or white skinned varieties that are early maturing)	1/2 to 1	POSTEMERGENCE IN SPRINKLER IRRIGATION: Apply specified dosage in 1/2 to 1 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 1/2 to 1 inch of water. Use rates of 1/2 to 1 pint per acre for control of rebound pigweed and lamb's-quarters only. Apply the 1 pint rate for control of the 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 nozzle orifices are not uniform in distribution or when lines containing the product must be emptied or cleaned.

SENCOR PLUS DUAL TANK MIX APPLICATION (EXCEPT CALIFORNIA): SENCOR 4 may be applied in a tank mix combination with Dual 8E as a preemergence broadcast application to potatoes. Apply SENCOR 4 at 0.75 to 2 pints and Dual 8E 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 4 may be applied in a tank mix combination with Prowl as a preemergence broadcast application to potatoes. Apply SENCOR 4 at 1 to 2 pints 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 4 on Potatoes in Kern County, California

Do not apply more than 2 pints total SENCOR 4 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 4 are not recommended on Atlantic, Shepody, Chipbelle, Bellchip, and Centennial varieties. Preemergence applications on these varieties may cause crop injury especially under adverse

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weather conditions and when higher SENCOR 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 labelled for use in alfalfa and sainfoin in the following areas:

1. Alfalfa and sainfoin (including mixed stands of grasses) in 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 and Wyoming).
4. Alfalfa only—Post Dormant Application of SENCOR Impregnated on Dry Fertilizer (Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, Ohio, Pennsylvania, South Dakota, and Wisconsin only).

SENCOR 4 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 4. For information on applying SENCOR 4 in fluid or on dry fertilizer refer to the "Application Of SENCOR 4 in Fluid Fertilizers" or "Commercial Impregnation And Application Of SENCOR 4 On Dry Bulk Fertilizer" under the "General Information" section in the front of this label.

SPECIAL PRECAUTIONS: Do not apply SENCOR 4 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 4 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 4.

- 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 4 is applied, or
 2. when SENCOR 4 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 4 (pts./acre)	REMARKS
Alfalfa and Sainfoin (except California)	1 to 2	ALL AREAS: Apply to young alfalfa and sainfoin. Select the proper dosage according to weeds known to be present. Fields to be treated. Use the lower rate of SENCOR 4 on sandy loam or loamy sand soils in areas where alfalfa, Oregon and Washington.
	1 to 1 1/2	IDaho, OREGON AND WASHINGTON ONLY: On sandy loam or loamy sand soils, apply SENCOR 4 at rates of 1 to 1 1/2 pints per acre for control of certain chickweeds only.

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Apply SENCOR 4 at rates of 1 to 2 pints per acre. These rates will provide control of the following weeds: Yellow foxtail, barnyardgrass, and other broadleaf weeds. Higher rates will provide control of these grasses: Yellow foxtail, barnyardgrass, and other grasses. SENCOR 4 should be applied to mixed stands in areas where alfalfa is grown. Mountaintop alfalfa and SENCOR 4 control will be better on surface areas that have a lot of time or moisture and depth greater than 8.2.

Weeds Controlled:

1/2 to 3/4 pint SENCOR 4/acre (Idaho, Oregon, and Washington Only)

Chickweed, Common (*Cerastium vulgatum*)

3/4 to 1 pint SENCOR 4/acre

Cheat (*Bromus secalinus*)

Downy brome (*Bromus tectorum*)

Japanese brome (*Bromus japonicus*)

Rescuegrass (*Bromus catharticus*)

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1 to 2 pints SENCOR 4/acre

Broadleaves

Fleabane, Rough

(*Erigeron strigosus*)

Flaxweed

(*Descurainia sophia*)

Henbit

(*Lamium amplexicaule*)

Kochia

(*Kochia scoparia*)

Lambsquarters, Common

(*Chenopodium album*)

Marestail (Horseweed)

(*Hypoxis vulgaris*)

Meadow Salsify

(*Tragopogon pratensis*)

Mustard, Blue

(*Chorispora tenella*)

Mustard, Jim Hill (tumble)

(*Sisymbrium altissimum*)

Mustard, Tansy

(*Descurainia pinnata*)

Grasses

Foxtail, Green

(*Setaria viridis*)

Little Barley

(*Hordeum pusillum*)

Pepperweed

(*Lepidium virginicum*)

Pennycress, Field

(*Thlaspi arvense*)

Pigweed, Redroot

(*Amaranthus retroflexus*)

Pinkly Lettuce

(*Lactuca serriola*)

Shepherdspurse

(*Capsella bursa-pastoris*)

White Cockle

(*Melandrium album*)

Wild Buckwheat

(*Polygonum convolvulus*)

Yellow Rocket

(*Barbarea vulgaris*)

Smooth Brome

(*Bromus inermis*)

Wild Oats

(*Avena fatua*)

2 pints SENCOR 4/acre

Broadleaves

Chickweed, Mouseear

(*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 2 pints/acre SENCOR 4 may be used to reduce the competition from curly dock (*Rumex crispus*). At 1 to 2 pints/acre, SENCOR 4 may be used to reduce the competition of German moss or knawel (*Scianthus annus*).

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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 4 (¾ to 1½ pints/acre) plus Gramoxone Super (2 to 2½ pints/acre) tank mix application will control established weeds. Gramoxone controls weeds by contact activity.

Bluegrass	Chickweed
Henbit	Downy brome
Cheal	Japanese brome
Rescuegrass	Shepherdspurse

½ to ¾ pint of SENCOR 4 per acre may be used for common chickweed only on sandy soils.

Use SENCOR 4 at 1 to 1½ pints/acre for control of the following weeds:

Ryegrass	Yellow rocket
Sow thistle	White cockle
Groundsel	Wild buckwheat
Smooth brome	Prickly lettuce
Wild oats	Little barley
Blue mustard	Redroot pigweed
Tansy mustard	Common lambsquarters
Flaxweed	Marestail (Horseweed)
Kochia	Field Pennycress
Meadow safflower	Rough fleabane
Pepperweed	
Jim Hill mustard	
Green foxtail	

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RECOMMENDED APPLICATIONS

SENCOR 4 ¾ to 1½ pints plus Gramoxone Super 2 to 2½ 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.
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FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Rates of 1 to 1½ pints of SENCOR 4 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.

ALFALFA

Post Dormant Application of SENCOR Impregnated on Dry Fertilizer Only — SENCOR 4 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 York, Ohio, Pennsylvania, South Dakota and Wisconsin. Apply at rates of 1½ to 2 pints per acre as directed on the label for application during dormancy. Apply only when alfalfa forage is dry or crop injury may occur. When using this application method, do not harvest or graze treated alfalfa for 60 days after application.

(Established)

SENCOR 4 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 4, 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 pensylvanicum*)
Sorrel, R-3
(*Rumex acetosella*)
Velvetleaf
(*Abutilon theophrasti*)

Grasses:

Crabgrass
(*Digitaria spp.*)
Foxtails
(*Setaria spp.*)

Sandbur, Field
(*Cenchrus pauciflorus*)

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RECOMMENDED BROADCAST APPLICATIONS:

CROP	SENCOR 4 (lbs/acre)	REMARKS
Asparagus	2 to 4 pints	PREEMERGENCE APPLICATION ONLY. Make a single surface application in early Spring before asparagus spears or ferns emerge. If the field is to be disked, apply SENCOR 4 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.
	1 to 2 pints preemergence plus 2 to 3 pints post harvest	SPLIT APPLICATION PREEMERGENCE AND POST HARVEST Preemergence Application: 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. Post Harvest Application: Apply after a harvest of the season but prior to emergence. The lower combination rates may be used for control of common ragweed, lambsquarters, redroot pigweed, and henbit. Use the higher combination rates for other weeds listed on this label. With severe grass infestations, or for maximum post harvest control of emerging weeds.

IMPORTANT: The total amount of SENCOR 4 applied in one season must not exceed 4 pints 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.

FIELD CORN

(Iowa, Kansas, Missouri, Nebraska, and South Dakota only)

No other herbicides are 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.

Lambsquarters (*Chenopodium album*)
 Pigweed, Redroot (carelessweed) (*Amaranthus retroflexus*)
 Smartweed, Pennsylvanian (*Polygonum pennsylvanicum*)
 Velvetleaf (*Abutilon theophrasti*)

MIXING: Select proper dosages based on soil type as shown below. Fill the spray tank $\frac{1}{4}$ to $\frac{1}{2}$ full with clean water and add SENCOR 4 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 4	Lasso 4 E C	Dual 8 E C	Atrazine 4L or 80 WP	Bladex 4L or 80 WP
MEDIUM (Sandy loam, loam, silty loam, silty clay, clay)	1.5 to 2.0 oz	1.5 to 2.0 oz	1.5 to 2.0 oz	0.75 to 1.5 oz of 4L 0.65 to 1.9 oz of 80 WP	1.25 to 2.5 oz of 4L 1.5 to 3.1 oz of 80 WP
FINE (Silt loam, silty clay, clay, silty clay loam, clay loam)	2.0 to 2.5 oz	2.0 to 2.5 oz	2.0 to 2.5 oz	0.75 to 1.5 oz of 4L 0.65 to 1.9 oz of 80 WP	1.25 to 2.5 oz of 4L 1.5 to 3.1 oz of 80 WP

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

** Preemergence application only.

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 lime or sodium and/or a pH of 7.0 or higher.

Corn seed should be planted $1\frac{1}{2}$ 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.

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 weeds in lentils and dry field peas.

WEEDS SUPPRESSED*

Common Chickweed*	Lambsquarters
Dog Fennel	Shepherdspurse**
Field Pennycress	Wild Mustard
Henbit**	

* 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 $\frac{1}{2}$ to $\frac{3}{4}$ pts. of SENCOR 4 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 $\frac{1}{4}$ to $\frac{3}{8}$ pts. of SENCOR 4 per acre on lentils and spring peas. On winter peas, use $\frac{1}{8}$ to $\frac{1}{2}$ pt. of SENCOR 4 per acre. For suppression of dog fennel, use $\frac{1}{2}$ pt. SENCOR 4 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

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 seedlings less than 2" deep (pre emergence 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, 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 4 should be mixed by filling the spray tank half full of clean water. Then add the recommended amount of SENCOR 4 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.

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Aerial Application: SENCOR 4 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 4 in 7 to 10 gallons of spray mixture per acre.

SENCOR 4 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*)

Grasses

Crabgrass
(*Digitaria* spp.)

Guineagrass
(*Panicum maximum*)

Plushgrass
(*Chloris radiata*)

Floras paintbrush
(*Emilia sonchifolia*)

Spurge, Garden
(*Euphorbia hirta*)

Spurge, Graceful
(*Euphorbia gomeritara*)

Ricegrass
(*Oryzopsis hymenoides*)

Wiregrass
(*Eleusine indica*)

Weeds Controlled in Irrigated Sugarcane Only:

Broadleaves

Amaranth, Spine
(*Amaranthus dubius*)

Haole Koa
(*Leucaena leucocephala*)

Haloa
(*Waltheria americana*)

Hibiscus
(*Mimosa pudica*)

Purslane, Common
(*Portulaca oleracea*)

Rattlepod
(*Lotania spectabilis*)

Grasses

Alexandergrass
(*Bracharia pinnatifida*)

Bristly foxtail
(*Setaria verticillata*)

Weeds Controlled in Non-irrigated Sugarcane Only:

Broadleaves

Ageratum (*Ageratum conyzoides*)

Richardia (*Richardia brasiliensis*)

Tarweed (*Cuphea carthagenensis*)

Sugarcane (Hawaii Only)	8 to 12 (1 to 1½ gal) (irrigated)	OR 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.
	4 to 6 (½ to 1 gal)	OR 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.
	5 to 10 (1½ to 1½ gal)	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.

Note: Do not apply more than 16 pints (2 gal) of SENCOR 4 (8½% 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.

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SUGARCANE

(Louisiana and Texas Only)

Preemergence and postemergence applications of SENCOR 4 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
(*Bracharia platyphylla*)
Crabgrass
(*Digitaria spp.*)
Foxtails
(*Setaria spp.*)

Johnsongrass, Seeding
(*Sorghum halepense*)
Oats, Winter
(*Avena spp.*)

RECOMMENDED BROADCAST APPLICATIONS:

CROP	SENCOR 4 (pints/acre)	REMARKS
Sugarcane (Louisiana and Texas Only)	3 to 6	BROADCAST: Apply 3 to 6 pints of SENCOR 4 (8½% active ingredient) 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.
	1½ to 3	BAND: Apply 1½ to 3 pints of SENCOR 4 (8½% active ingredient) per acre as a band 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.

SUGARCANE

(Florida Only)

Postemergence over-the-top or directed spray applications of SENCOR 4 are recommended for the control of the following weeds in sugarcane in Florida.

Broadleaves	Grasses
Amaranth, Spiny (seedling) (<i>Amaranthus spinosus</i>)	*Crabgrass, large (<i>Digitaria sanguinalis</i>)
Butterweed (Cressleaf groundsel) (<i>Senecio glabellus</i>)	Foxtail, bristlegass (<i>Setaria magna</i>)
Cudweed (<i>Gnaphalium spp</i>)	Goosegrass (<i>Elyusine indica</i>)
Purslane (<i>Portulaca oleracea</i>)	Panicum, broadleaf (<i>Panicum adspersum</i>)
	Signalgrass, Broadleaf (<i>Bracharia platyphylla</i>)

RECOMMENDED BROADCAST APPLICATIONS:

CROP	SENCOR 4 (pts/acre)	REMARKS
Sugarcane	2 to 4	GROUND APPLICATION: SENCOR 4 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. Do not use more than 4 pints per acre in a single grow to harvest. POSTEMERGENCE BROADCAST OR BAND: Apply over the top of stubble or plant cane while sugarcane is less than 14 inches tall. POSTEMERGENCE DIRECTED SPRAY: Apply to sugarcane that is a minimum of 14 inches tall and before row closing.
	2 to 3	AERIAL APPLICATION: 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.

SENCOR PLUS Atrazine TANK MIX: SENCOR 4 may be used with atrazine as a preemergence or postemergence (before row closing) application to sugarcane. Rates for SENCOR 4 are 1½ to 4 pints/acre and atrazine 80% WP (4L) are 2½ 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 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 post emergence applications, apply SENCOR 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. 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 the "General Information" section in the front of this label.

Weeds Controlled:

PREPLANT INCORPORATED APPLICATIONS — TRANSPLANT TOMATOES ONLY

Broadleaves	Grasses
Galinsoga (<i>Galinsoga spp</i>)	*Pigweed, Redroot (<i>Amaranthus retroflexus</i>)
Lambsquarters (<i>Chenopodium album</i>)	*Purslane, Common (<i>Portulaca oleracea</i>)
Grasses	
*Goosegrass (<i>Elyusine indica</i>)	

POSTEMERGENCE APPLICATIONS — ESTABLISHED TOMATOES: For effective control of weeds with postemergence applications, apply SENCOR before weeds are 1-inch tall.

Broadcast Sprays
½ to ¾ pt. of
SENCOR 4/acre

Broadleaves
Carnelweed
(*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 pensyl.anicum*)
Toadflax
(*Linaria spp.*)
*Velvetleaf
(*Abutilon theophrasti*)

Directed Sprays
1 to 2 pts. of
SENCOR 4/acre

Grasses
*Foxtail, Yellow
(*Setaria glauca*)
Goosegrass
(*Elyusine indica*)
(Plus Weeds Listed Under
"Broadcast Sprays")

*For optimum control of these weeds, use the highest rate recommended on this 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.

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RECOMMENDED BROADCAST APPLICATIONS:

CROP	SENCOR 4 (pts./acre)*	REMARKS
Tomatoes	½ to 1	PREPLANT INCORPORATED — TRANSPLANT TOMATOES ONLY (EXCEPT CALIFORNIA): 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 EC. Refer to the Treflan label for specific rate of application and for additional precautions and restrictions for tomatoes.
	¾ to 1 ½	POSTEMERGENCE BROADCAST SPRAY — ESTABLISHED TOMATOES: Apply specified dosage in 20 to 75 gallons of water per acre as a broadcast spray or apply in ½ to 1 inch of water (use ½ to 1 inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems on the last 15 to 30 minutes of set or permanent solid set sprinkler systems over the plants in single or multiple applications with a minimum of 14 days between treatments. For transplantations do not apply within 14 days of transplanting. Transplants must have recovered from transplant shock and grown well before broadcast application to established tomatoes. Do not mix with other pesticides (See "Special Precautions" below.)
	1 to 2	POSTEMERGENCE DIRECTED SPRAY — ESTABLISHED TOMATOES: 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. Transplants must have recovered from transplant shock and grown well before directed application to established tomatoes. Do not mix with other pesticides (See "Special Precautions" below.)

*Use the higher rate for severe weed pressure. For severe weed pressure, apply SENCOR 4 at 2 to 4 times the recommended rate.

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 4.
 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 4 can be used without injury to the crop.
DO NOT USE SENCOR 4 ON TOMATOES IN KERN COUNTY, CALIFORNIA

CEREALS

(Barley and Wheat)

For the control of certain grass and broad leaf 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 4 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, & Washington.
2. Winter wheat in Idaho, Oregon, Utah, & Washington.
3. Dryland (Non-irrigated) Winter wheat in Kansas, Oklahoma, & Texas.
4. Dryland (Non-irrigated) Winter wheat only (Arkansas, Louisiana, Mississippi, & Tennessee).

Mixing: See the Mixing section under General Information in the front of this label for specific mixing procedures. Do not tank mix SENCOR 4 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 4.

Apply SENCOR 4 when wheat stand is uniform in height. For best results apply SENCOR 4 when weeds are smaller 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 4 only once per crop season for wheat or barley.

Grazing Treated Wheat: Wheat fields treated with SENCOR 4 may be grazed 14 days following application.

SPECIAL PRECAUTIONS (Cereals): Crop injury may occur on barley or wheat when SENCOR 4 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 4 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, IDAHO, OREGON, UTAH, MONTANA AND WASHINGTON ON THE VARIETIES COMPAGNA, HAINBACH, BECK'S HYBRID 20, LUTHER, KARMAN, KLEGG, OLYMPIA, PHOENIX AND STELLER.

SOIL TEXTURE	SENCOR 4 (pts/acre)		REMARKS
	% Organic Matter ¹		
	1 to 2	Over 2	
COARSE (Sandy loam, loamy sand)	1/2 to 1 1/2	1 to 2 1/2	Barley should be seeded to obtain a uniform crop stand at application time. Apply after barley has fully rooted and developed secondary roots out before planting and before weeds are 2 inches tall or have 2 inch diameter rosettes. Burn or grate or harrow treated barley for feed before crop maturity.
MEDIUM (loam, silt loam, silty sand, clay, sandy clay loam)	1 to 2 1/2	1 1/2 to 3	
FINE (Silty clay, silty clay loam, clay, clay loam)	1/2 to 1	1 to 2 1/2	

¹ Do not use on any soils containing less than 1% organic matter.

² Silty clay loam soils are transitional soils and may be treated on medium textured soils in some regions of the U.S.

Weeds Controlled in Barley:

Broadleaves

Chickweed, Common

(*Stellaria media*)

Fiddleneck, Tarweed

(*Amsinckia lycopsoides*)

Henbit

(*Lamium amplexicaule*)

*Kochia

(*Kochia scoparia*)

Lambsquarters

(*Chenopodium album*)

*Mustard, Blue or Purple

(*Chorispora tenella*)

*Mustard, Jim Hin

(*Sisymbrium altissimum*)

*Mustard, Wild

(*Brassica kaber*)

Pigweeds

(*Amaranthus spp.*)

Grasses

*Cheatgrass

(*Bromus secalinus*)

*Downy Brome

(*Bromus tectorum*)

*Foxtails

(*Setaria spp.*)

*Ryegrass, Annual

(*Lolium multiflorum*)

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

Hard to Control Weeds:

Wild oats (*Avena fatua*)

NOTE: Control of wild oats may be variable depending on the timing of application, stage of growth of wild oats at time of application, temperature, and soil moisture conditions following treatment.

SENCOR in Combination with Other Herbicides: SENCOR 4 may be applied as directed above or may be tank mixed with 2,4-D, Banvel[®], Bromate[®], Brominal[®], Brominal Plus[®], or Buctril[®]. Refer to the other product label registered for this use for additional directions, rates, and weed species controlled.

WINTER WHEAT

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

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

RECOMMENDED BROADCAST APPLICATIONS:

SOIL TEXTURE	SENCOR 4 (pts/acre)		
	0.75% to 1% Organic Matter ¹	1% to 2% Organic Matter	More than 2% Organic Matter
COARSE (loamy sand, sandy loam)	0.5 to 0.6	0.5 to 0.6	0.5 to 0.6
MEDIUM (loam, silt loam, silty sand, clay, sandy clay loam)	0.5 to 0.6	0.6 to 0.7	0.6 to 0.9
FINE (silty clay, silty clay loam, clay, clay loam)	0.5 to 0.7	0.7 to 1.0	0.7 to 1.0

¹ Do not use on any soils containing less than 0.75% organic matter.

² Do not use on any soils containing less than 1% organic matter.

³ Silty clay loam soils are transitional soils and may be treated on medium textured soils in some regions of the U.S.

Conical Catchfly
(*Silene conica*)
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*)
Grasses
Blackgrass
(Black twitchgrass)
(*Alopecurus myosuroides*)
Bluegrass, bulbous
(*Poa bulbosa*)
Cheatgrass
(*Bromus secalinus*)
Downy Brome
(*Bromus tectorum*)
Foxtails
(*Setaria spp.*)
(*Chorizanthe rigida*)
Mustard, Jim Hill (tumble)
(*Sisymbrium altissimum*)
Mustard, Wild
(*Brassica kaber*)
Pennycress, Field
(*Thlaspi arvense*)
Pineappleweed
(*Matricaria matricanodes*)
Pocky Lettuce
(*Lactuca serriola*)
Pigweeds
(*Amaranthus spp.*)
Redstem filaree
(*Erodium cicutarium*)
Russian Thistle
(*Salsola iberica*)
Shepherdspurse
(*Capsella bursa-pastoris*)
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.

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Hard-To-Control Weeds:

Broadleaves
Cowcockle
(*Vaccaria pyramidalis*)
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 4 may be applied as a tank mix with Glean[®], 2,4-D, MCPA, Igran[®], Banvel, Bromate, Brominal, ME4 Brominal, 3+3 Brominal, Brominal Plus or Butril. 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 4, 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 4 at 1/2 to 3/4 pint 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 sandy or loamy sand soils. Use lower rate of Igran on sandy loam soils.

Broadleaf Weed Control Only: Where only broadleaf control is needed, SENCOR 4 applied at the rates listed below in a tank mix combination with Brominal, Brominal Plus, ME4 Brominal, 3+3 Brominal, Bromate or Butril can be used to control wild buckwheat in addition to the weeds listed on these labels.

RECOMMENDED BROADCAST APPLICATIONS:

SENCOR 4 (pts. acre)	REMARKS
1/2	For control of weeds in irrigated wheat and barley.
3/4	For control of weeds in irrigated wheat and barley.
1	For control of weeds in irrigated wheat and barley.
1 1/4	For control of weeds in irrigated wheat and barley.
1 3/4	For control of weeds in irrigated wheat and barley.
2	For control of weeds in irrigated wheat and barley.
2 1/4	For control of weeds in irrigated wheat and barley.
2 3/4	For control of weeds in irrigated wheat and barley.
3	For control of weeds in irrigated wheat and barley.
3 1/4	For control of weeds in irrigated wheat and barley.
3 3/4	For control of weeds in irrigated wheat and barley.
4	For control of weeds in irrigated wheat and barley.
4 1/4	For control of weeds in irrigated wheat and barley.
4 3/4	For control of weeds in irrigated wheat and barley.
5	For control of weeds in irrigated wheat and barley.
5 1/4	For control of weeds in irrigated wheat and barley.
5 3/4	For control of weeds in irrigated wheat and barley.
6	For control of weeds in irrigated wheat and barley.
6 1/4	For control of weeds in irrigated wheat and barley.
6 3/4	For control of weeds in irrigated wheat and barley.
7	For control of weeds in irrigated wheat and barley.
7 1/4	For control of weeds in irrigated wheat and barley.
7 3/4	For control of weeds in irrigated wheat and barley.
8	For control of weeds in irrigated wheat and barley.
8 1/4	For control of weeds in irrigated wheat and barley.
8 3/4	For control of weeds in irrigated wheat and barley.
9	For control of weeds in irrigated wheat and barley.
9 1/4	For control of weeds in irrigated wheat and barley.
9 3/4	For control of weeds in irrigated wheat and barley.
10	For control of weeds in irrigated wheat and barley.

BEST AVAILABLE COPY

DRYLAND WINTER WHEAT (NON-IRRIGATED) 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 WF-NGLER.

Weeds Controlled in Wheat:

Broadleaves

Annual Polemonium
(Jacob's Ladder)
(*Polemonium micranthum*)
Chickweed, Common
(*Stellaria media*)
Fiddleneck, Tarweed
(*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
(*Eriogonum canaliculatum*)

*For control of these weeds, a soil test is 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 time of application, stage of growth of the weeds, soil temperature, and soil moisture levels at the time of treatment.

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RECOMMENDED BROADCAST APPLICATIONS:

SOIL TEXTURE	SENCOR 4 (lbs. acre)		REMARKS
	*% Organic Matter Fall	Spring	
COARSE (Sandy loam, loamy sand)	1.5 to 2.0	1.5 to 2.0	Apply SENCOR 4 at 1.5 to 2.0 lbs. per acre with aerial or ground spray equipment as a broadcast, postemergence spray for Fall or Spring application. Refer to "Application" in the beginning of this cereal section for information on timing and growth restrictions.
MEDIUM (Loam, silt loam, silt, sandy clay, loam)	1.5 to 2.0	1.5 to 2.0	
FINE (Silt, clay, silt, clay loam, clay, clay, loam)	1.5 to 2.0	1.5 to 2.0	

* Do not use on any soils containing 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.

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

Bittercress
(*Cardamine spp.*)
*Buttercup
(*Ranunculus spp.*)
Carolina Geranium
(*Geranium carolinianum*)
Chickweed, Common
(*Stellaria media*)
Chickweed, Mouseear
(*Cerastium vulgatum*)
Cutleaf Evening Primrose
(*Oenothera laciniata*)
Henbit
(*Plantago amplexicaule*)
*Kochia
(*Kochia scoparia*)

Grasses
Bluegrass, Annual
(*Poa annua*)
*Cheatgrass
(*Bromus secalinus*)
*Downy Brome
(*Bromus tectorum*)

(*Chenopodium album*)
Mayweed (dog fennel)
(*Eupatorium capillifolium*)
Mustard, Wild
(*Brassica kaber*)
Pepperweed, Virginia
(*Lepidium virginicum*)
Pigweeds
(*Amaranthus spp.*)
Shepherdspurse
(*Capsella bursa-pastoris*)
Wild Turnip
(*Brassica rapa*)

Little Barley
(*Hordeum pusillum*)
*Rescuegrass
(*Bromus catharticus*)
*Ryegrass, Italian
(*Lolium multiflorum*)
Vernal Withlograss
(*Drababerna spp.*)

*For control of these weeds on the soil use SENCOR 4 at 1 pt. per acre

NOTE: Control of wild buckwheat (*Polygonum convolvulus*) and winter vetch (*Vicia spp.*) may be variable with SENCOR 4, 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, Hunter, McNair 1003, McNair 1813, Nelson, Pike, Southern Belle, & Tyler.

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RECOMMENDED BROADCAST APPLICATIONS:

SOIL TEXTURE	SENCOR 4 (pts. acre)	REMARKS
COARSE (Sandy loam, loam, sand)	1/2	Apply specified dosage per acre as a broadcast preemergence 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 cereal's section for information on timing and growth stages for application.
MEDIUM (Loam, silt loam, silty sandy clay, sandy clay, loam)	1/2	
FINE (Silty clay, silty clay, loam, clay, clay, loam)	1 to 1 1/2	

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, common in the South, and may be classified as medium texture soils in some regions of the U.S.

³ Use 1 pt. per acre for control of weeds on soils designated with an asterisk (*) for "Weed Controlled".

SENCOR in Combination with other Herbicides: SENCOR may be applied as directed above and may be tank mixed with 2,4-D, Banvel, Bronate, Brominal, or Buctril. 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 to wheat, especially if frost occurs.

FOR WEED CONTROL IN A¹ WHEAT/FALLOW/WHEAT ROTATION

(Idaho, Oregon, Utah and Washington Only)

SENCOR 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.

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

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 pinnata*)

Grasses

Cheatgrass
(*Bromus secalinus*)
Downy Brome
(*Bromus tectorum*)

Mustard, Treacle
(*Erysimum repandum*)
Mustard, Wild
(*Brassica kaber*)
Pennycress, Field (Fanweed)
(*Thlaspi arvense*)
Pigweeds
(*Amaranthus spp.*)
*Russian thistle
(*Salsola iberea*)
*Wild Sunflower
(*Helianthus spp.*)

*Wheat, Volunteer
(*Triticum spp.*)

*NOTE: See label for application directions and restrictions.

After Harvest Application (Fall Fallow): SENCOR may be applied to wheat stubble after harvest in the Fall. Apply 1 to 1½ pints 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 (½ inch or more) is necessary for herbicide activation.

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

SENCOR may be applied at 1 to 1½ pints 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 may be applied to wheat stubble in the Spring. Apply ½ to 1 pint per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or weeds designated as requiring higher rate for

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control. Rainfall (½ 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 4.

Where SENCOR 4 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 4 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 under the "General Information" section "Application" of SENCOR in the front of this label.

Where weed growth is present at application time SENCOR 4 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*)
Conyckie
(*Vaccaria pyramidalis*)
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
(*Erysimum repandum*)
Mustard, Wild
(*Brassica kaber*)
Pennycress, Field (Fanweed)
(*Thlaspi arvense*)
Pigweeds
(*Amaranthus spp.*)
Russian thistle
(*Salsola iberea*)
Wild Sunflower
(*Helianthus spp.*)

Spring Application: (Summer Fallow) --- GENCOR 4 may be applied to the stubble in the Spring. Apply 3 to 1 pint 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. Ramifal (1/2 inch or more) is necessary for herbicide activation. Wheat or barley can be seeded 120 days after Spring application.

Do not plant Spring seeded cereals following Fall applications for fallow

Where SENCOR 4 was applied in the Fall do not apply SENCOR in the Spring

4 Months	8 Months	12 Months	18 Months
Azalea	Bamboo	Citrus trees	Sage Brush
Berberis	Lemon	Elm trees	Ferns
Asparagus	Maple	Leafy veg.	Flowering plants
Corn	Pear		
Forage grasses	Rice		
Peppers	Wheat		
Sunflower			
Sweet peas			
Tomatoes			
Vines?			

1. Explain the importance of the following factors in the development of a country:

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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.

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

If swallowed, vomiting should be induced. Administer water freely and induce vomiting by giving one dose (12 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 back of 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 water.

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

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.

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

GROUND WATER ADVISORY: Metolazone is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. Metolazone has been found in ground water as a result of agricultural use. Users are

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 SEPTOR 4 flowable herbicide 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: Triple rinse for equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or 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 container is leaking invert to prevent leakage. If the container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides 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 Chem-Trec at 800-424-9300.

Amben and Brominate are Reg. TMs of Union Carbide Agricultural Products Co., Inc.

Danve is a Reg. TM of Valon Chemical Corp.

Badox is a Reg. TM of Dow Chemical Co.

Bronate and Bacti-are Reg. TMs of FMC Corp.

Emulsam is a Reg. TM of FMC Corp.

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