

NOT REVIEWED
In Accordance with PR Notice 82-2
Based on Draft Labeling Dated 11/77

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

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.

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

909602

888040

Sencor[®]

DF



00 31 3

A43

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

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

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

For complete directions for use, see manufacturer's recommendations accompanying this container.

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

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

Chemigation: Refer to supplemental labeling attached to this container for use directions for chemigation. Do not apply this product through any irrigation system unless the supplemental labeling on chemigation is followed.

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

Precautionary statements.

Hazards to humans and domestic animals.

Caution.

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

Do not contaminate feed or food. Keep out of reach of children. Obtain prompt medical aid if poisoning should occur.

Sencor® DF

75% dry 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 *

75%

INERT INGREDIENTS

25%

100%

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

EPA Reg. No. 3125-325 • EPA Est. 3125-MO-1

SENCOR is a Reg. TM of Bayer AG, Germany

STOP — Read the label before use.

Store in a cool, dry place.

NET CONTENTS 5 POUNDS

Keep out of reach of children.

CAUTION

(See side panel for Precautionary Statements.)

Statements of practical treatment.

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

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

To Physician: Treat the patient symptomatically.

Mobay Corporation

A Division of Bayer AG

Bayer 

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



909436

781011

75% Dry Flowable Herbicide

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

ACTIVE INGREDIENT

4-Amino-2-chlorophenoxy-3-methyl-5-nitrobenzamide
54.00%

INERT INGREDIENTS

Flowable Carrier

45.00%

Other Inert Ingredients

100% Flowable Carrier

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

CAUTION

Mobay Corporation



Ag. and Chem. Division
P.O. Box 118, Kansas City, Mo. 64101

405-7

TABLE OF CONTENTS

Directions for Use and Conditions of Sale	5
General Information	6
Mixing	6
Chemigation	7
Application of SENCOR with Herbicide Spray Equipment	9
Application of SENCOR in Fluid Fertilizers	10
Commercial Impregnation and Application of SENCOR on Dry Bulk Fertilizer	11
Soybeans	12
Weeds Controlled by SENCOR	
+ SENCOR Tank Mix Combinations	14
SENCOR (Alone) Preemergence	18
Sequential application of Sencor following SENCOR	19
SENCOR on Coarse (Light) Soils	41
OVERLAY APPLICATIONS	
SENCOR plus Treflan Overlay	23
SENCOR and Sornan Overlay	24
SENCOR plus Dual Overlay	27
SENCOR plus Prowl Overlay	29
Dual Tank Mixes	
Spot-Spot Application of SENCOR with Dual, Lasso, Prowl, Sornan or Treflan	20
Extended Spot-Spot Application of SENCOR with Dual or Lasso	21
SENCOR plus Treflan Tank Mix	25
SENCOR plus Sornan Tank Mix	24
SENCOR plus Dual Tank Mix	27
SENCOR plus Prowl Tank Mix	29
SENCOR plus Lasso Tank Mix	37
SENCOR plus Command Tank Mix	33
SENCOR plus Command Tank Mix (overlaid) Tank Mix	42
SENCOR plus Sencor plus Dual Tank Mix	35

(PREEMERGENCE TANK MIXES)	
SENCOR plus Dual-Tank Mix	27
SENCOR plus Prowl-Tank Mix	29
SENCOR plus Lasso-Tank Mix	31
SENCOR plus Surflan-Tank Mix	37
SENCOR plus Amben-Tank Mix	39
SENCOR plus Linuron plus (Lasso or Dual)-Tank Mix	40
Soybeans (Minimum Till or No-Till)	
SENCOR plus Gramoxone-Tank Mix	43
SENCOR plus Lasso and Gramoxone-Tank Mix	43
SENCOR plus Surflan and Gramoxone- Tank Mix	44
SENCOR plus 2,4-D Low Volatile Ester- Tank Mix	45
Soybeans (Postemergence Directed Sprays)	45
Potatoes	47
SENCOR Preemergence	48
SENCOR Postemergence	49
Sprinkler Irrigation Application	51
SENCOR plus Dual-Tank Mix	51
SENCOR plus Prowl-Tank Mix	51
Alfalfa and Sanfon	52
Alfalfa and Sanfon (all areas except California)	53
Alfalfa and Sanfon (Idaho, Oregon, and Washington only)	53
Alfalfa and Sanfon (California only)	55
Alfalfa Tank Mix with Gramoxone (Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming)	57
Alfalfa Post Dormant Application	58
Alfalfa Non-Dormant, Non-Winter Hardy Varieties (Arizona only)	59
Asparagus	60
Field Corn (Iowa, Kansas, Missouri, Nebraska, and South Dakota only)	61
Lentils and Dry Field Peas (Idaho, Montana, and East of the Cascades in Oregon and Washington)	64

Sugarcane (Hawaii only)	65
Sugarcane (Louisiana and Texas only)	68
Sugarcane (Florida only)	69
Tomatoes	70
Cereals (Barley and Wheat)	73
Barley (spring and winter) only East of the Cascade Mountains in Idaho, Oregon, Utah, Montana and Washington	74
Winter Wheat in Idaho, Oregon, Utah, Montana and Washington	76
Dryland (Non-irrigated) Winter Wheat in Kansas, Oklahoma and Texas	79
Dryland (Non-irrigated) Winter Wheat only (Arkansas, Louisiana, Mississippi, and Tennessee)	80
Wheat Fallow, Wheat Rotation (Idaho, Oregon, Utah and Washington only)	82
Barley and Wheat; Fallow, Barley and Wheat Rotation (Colorado, Kansas, Montana, Nebraska, and Wyoming only)	83
Crop Rotation Recommendations	85
Precautionary Statements, Statements of Practical Treatment, Environmental Hazards and Re-Entry Statements	85
Storage and Disposal	87

Aviso

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

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

DIRECTIONS FOR USE.

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

IMPORTANT: Read these entire Directions and Conditions of Sale before using SENCOR DF 75% Dry Flowable herbicide.

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

GENERAL INFORMATION.

MIXING: When using SENCOR DF, 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 DF 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 DF 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 DF while recirculating and with agitator running.
3. Follow the triple rinse procedure described under "STORAGE AND DISPOSAL" to insure that all product is removed

6

4. Mix thoroughly and add clean water to the spray tank to desired level.
5. Add the other herbicide to tank last and agitate thoroughly.
6. Continue agitation during application and until sprayer tank is empty.

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

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

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

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

Calibration: Center Pivot and Self Propelled Lateral Move Systems.

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

1. Determine number of minutes required to make one complete revolution while applying $\frac{1}{4}$ to $\frac{1}{2}$ inch of water per acre.
2. With the system at operating pressure determine the exact number of minutes required to inject one gallon of water.
3. Divide the time required for one revolution (step 1) by the time required to inject one gallon (step 2). This gives total gallons of product and water to be injected per acre per tank.
4. Add required amount of water to spray tank and start the irrigation system. Then add the amount of SENCOR DF at the recommended rate (see RECOMMENDED RATES) to the spray tank.

76F47
EXAMPLE: If 20 hours (1200 minutes) were required for one revolution and if 2 minutes were required to inject one gallon, then a total of 600 gallons of product-water mixture are required ($1200 \div 2 = 600$). To treat 135 acres at $\frac{1}{2}$ pound/acre, 90.5 pounds of SENCOR DF are required.

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

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

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

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

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

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

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

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

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

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

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

Apply specified dosage in $\frac{1}{4}$ to $\frac{3}{4}$ inch of water ($\frac{1}{4}$ to $\frac{1}{2}$ inch of water on sandy soils) per acre as a continuous injection.

8

tion in center pivot and lateral move systems or in the last 15 to 30 minutes of a turbulent solid set sprinkler system. Application of more than the quantity of irrigation water recommended on this label may result in decreased product performance by removing the chemical from the zone of effectiveness. Where sprinkler distribution patterns do not overlap sufficiently unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively crop injury may result. Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. To insure that lines are flushed and free of remaining pesticide, an indicator dye may be injected into the lines to mark the end of the application period.

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

APPLICATION OF SENCOR DF WITH HERBICIDE SPRAY EQUIPMENT

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

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

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

EXAMPLES

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

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

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

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

FOR ALL APPLICATIONS OF SENCOR: Sprayer must be accurately calibrated before applying SENCOR DF. Check sprayer operation to be sure it is working properly and delivering a uniform spray pattern. As the volume of spray mixture decreases per acre, the importance of accurate

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

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

APPLICATION OF SENCOR DF IN FLUID FERTILIZERS.

SENCOR DF may be applied in fluid fertilizer solutions to alfalfa and soybeans by following the appropriate mixing procedures and compatibility check. When using tank mix combinations, be sure all components are compatible.

Compatibility checks of SENCOR DF and tank mix combinations which include SENCOR should be made for each batch of fluid fertilizer because of the variability of these fertilizers.

Compatibility Check:

1. Pre mix 2 teaspoonfuls of SENCOR DF with 8 teaspoonfuls of water (1:4 ratio) in a quart jar by adding the water first and follow with SENCOR DF. Mix thoroughly. If a second herbicide is to be used, double the amount of water (1:8 ratio) and add the second herbicide after mixing SENCOR DF first.
2. Then pour 1 pint of fluid fertilizer into the quart jar and shake well.
3. Allow to stand for 5 minutes.

10

THE COMPATIBILITY CHECK SHOULD ONLY BE USED WHEN MIXING WITH FLUID FERTILIZERS.

Interpretation of Results: If the solution in the jar appears to be uniform, without signs of agglomeration, or without a separation of an oily film on top of the fertilizer, the mixture may be used. If not, repeat the compatibility check using twice the amount of water or add a compatibility agent to the water. If separation occurs, but the mixture can be resuspended by shaking, then application is possible with good agitation in the spray tank.

Tank Mixing Guidelines:

1. Add the required amount of water and compatibility agent (if required) to the tank. Start agitation system while adding SENCOR DF and follow by adding the fluid fertilizer and agitate.
2. If a second herbicide is to be used, follow as above in 1, but use twice the amount of water. Start agitation and add SENCOR DF and follow by adding the second herbicide and then continue filling the tank with fluid fertilizer.
3. Maintain continuous agitation to assure uniform spray mixture until the tank is emptied.

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

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

Impregnation: To impregnate, use a system consisting of a belt conveyor or closed drum which is used for dry bulk fertilizer blending. Any conveyor used for fertilizer blending impregnated with SENCOR DF must not handle any other fertilizer containing phosphorus, potash, or urea in the same state. Do not use any water in the system.

Apply using a minimum of 200 pounds of dry bulk fertilizer per acre and up to a maximum of 400 pounds per acre. To impregnate or coat the dry bulk fertilizer with SENCOR DF, the fertilizer must be exposed to the spray of SENCOR DF toward the fertilizer for this length of time, at this rate of spray, and with this mixing procedure.

of SENCOR DF to dry bulk fertilizer will vary and if the absorptivity is not adequate, an absorptive powder may be added to produce a dry, free-flowing mixture. Micro-Cal E (Johns-Manville Product Corporation) is the recommended absorbent powder. SENCOR DF should be pre-mixed with water to form a sprayable mixture. When another herbicide is used with SENCOR DF, mix and impregnate immediately.

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

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

$$\text{Pounds SENCOR DF Per Acre} \times \frac{2000}{\text{Lbs Fertilizer Per Acre}} = \text{Pounds SENCOR DF Per Ton of Fertilizer}$$

Application: Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer applicator, equipment is essential for uniform distribution to the soil surface. The recommended method of application is to apply $\frac{1}{2}$ the recommended rate and overlap 50 percent or to double apply by splitting the middles to obtain the best distribution pattern.

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

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

SOYBEANS (EXCEPT CALIFORNIA)

SENCOR herbicide tank mix combinations are recommended for preplant incorporated applications, pre-emergence surface applications, Split-Spot application, and Extended Split-Spot application. SENCOR DF is also recommended as an overlay application following a preplant incorporated application of a recommended grass herbicide and alone as a pre-emergence surface application. All these appli-

12

cations can be applied with ground equipment, and some can be applied with aerial spray equipment. In addition, SENCOR DF can be applied as a post-emergence directed spray to soybeans in certain states.

SPECIAL PRECAUTIONS (Soybeans)

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

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

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

Grazing and Feeding Treated Vines: Treated vines may be grazed or fed to livestock 40 days after application when SENCOR DF is applied alone or with Treflan[®], Dual[®], Prow[®], Lasso[®], Amben[®], Gramoxone, Lasso plus Gramoxone.

Do not use treated vines for feed or forage when SENCOR DF is applied with Sulfan[®], Sulfan plus Gramoxone, Sona-

100F 47

len, Inuron plus Lasso, Inuron plus Dual

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

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

WEEDS CONTROLLED BY SENCOR AND SENCOR TANK-MIX COMBINATIONS

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

ANNUAL BROADLEAF WEEDS	SENCOR Alone	SENCOR plus Sulf	SENCOR plus Trifl	SENCOR plus Dual	SENCOR plus Prow	SENCOR plus Lasso	SENCOR plus Sulfan	SENCOR plus Ambac	SENCOR plus Graminex	SENCOR plus Lasso & Graminex	SENCOR plus Sulfan & Graminex	SENCOR plus Sulfan	SENCOR plus Lasso plus (Lasso or Dual)
Rice Nightshade (Solanum elaeagnifolium)	P	P	P	C	C	C	C	C	C	C	C	C	C
Bristly Starbur (Acanthaceae)	C	C	C	C	C	C	C	C	C	C	C	C	C
Bullbush (Solanum rostratum)	C	C	P	P	P	P	P	P	P	P	P	P	P
Carpetweed (Mollugo verticillata)	C	C	C	C	C	C	C	C	C	C	C	C	C
Cocklebur (Xanthoxylum)	C	C	S	S	S	S	S	S	C	C	C	C	C

Cocklebur Nightshade (Solanum elaeagnifolium)	C	C	C	C	C	C	C	C	C	C	C	C	C
Florida Bayonet (Desmodium illinoense)	C	C	C	C	C	C	C	C	C	C	C	C	C
Florida Bayonet (Desmodium illinoense)	C	C	C	C	C	C	C	C	C	C	C	C	C
Galinsoga (Galinsoga speciosa)	C	C	C	C	C	C	C	C	C	C	C	C	C
Horseweed Marechal (Conyza canadensis)	•	•	•	•	•	•	•	•	C	C	C	C	•
Jimsonweed (Datura stramonium)	C	C	C	C	C	C	C	C	C	C	C	C	C
Knockweed (Polygonum sp.)	C	C	C	C	C	C	C	C	C	C	C	C	C
Kochia (Kochia scopulorum)	C	C	C	C	C	C	C	C	C	C	C	C	C
Lambsquarters (Chenopodium sp.)	C	C	C	C	C	C	C	C	C	C	C	C	C
Morningglory Hybrid (Ipomoea pedunculata)	P	P	S	P	P	P	P	P	P	P	P	P	P
Morningglory Pink (Ipomoea lacunosa)	P	P	S	P	P	P	P	P	P	P	P	P	P
Morningglory Spotted (Ipomoea lacunosa)	P	P	S	P	P	P	P	P	P	P	P	P	P
Morningglory Tall (Ipomoea purpurea)	P	P	S	P	P	P	P	P	P	P	P	P	P
Pigweed (Amaranthus sp.)	C	C	C	C	C	C	C	C	C	C	C	C	C
Prickly Soda Weed (Sida spinosa)	C	C	C	C	C	C	C	C	C	C	C	C	C
Purshia (Purshia serotina)	C	C	C	C	C	C	C	C	C	C	C	C	C
Ragweed (Common) (Ambrosia artemisiifolia)	C	C	C	C	C	C	C	C	C	C	C	C	C
Ragweed (Ambrosia artemisiifolia)	C	C	C	C	C	C	C	C	C	C	C	C	C
Russian Thistle (Salsola arbuscula)	C	C	C	C	C	C	C	C	C	C	C	C	C
Sesbania (Sesbania sp.)	C	C	C	C	C	C	C	C	C	C	C	C	C
Shepherdspurse (Capparis bursa-pastoris)	C	C	C	C	C	C	C	C	C	C	C	C	C

110F7

ANNUAL BROADLEAF WFTS

31NCON Algae
31NCON SPLIT SHOT
31NCON plus Treble
31NCON plus Daid
31NCON plus Presi
31NCON plus Loose
31NCON plus Surface
31NCON plus Ambient
31NCON plus Gravitone
31NCON plus Loose & Gravitone
31NCON plus Surface & Gravitone
Extended SPLIT SHOT
31NCON plus Sensitive
31NCON plus the loose plus
(notes at Test)

16

1. The first step is to identify the problem or question being asked.
 2. Next, we need to gather relevant information and data.
 3. Then, we analyze the information to determine the cause of the problem.
 4. After analysis, we develop a plan to address the issue.
 5. Finally, we implement the plan and monitor the results to ensure effectiveness.

SENCOR plus Above
SENCOR Split Shot
SENCOR plus Tripper
SENCOR plus Osa
SENCOR plus Proud
SENCOR plus Lasso
SENCOR plus Spartan
SENCOR plus Ambush
SENCOR plus Gramophone
SENCOR plus Lasso & Grammont
SENCOR plus Surface & Grammont
Extender Split Shot
SENCOR plus Swallow
SENCOR plus Warrent plus (Lasso & Proud)

WEEDS CONTROLLED BY SENCOR AND SENCOR TANK-MIX COMBINATIONS

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

ANNUAL GRASSES	SENCOR Alone	SENCOR SPLIT-SHOT	SENCOR plus Trifluralin	SENCOR plus Dacthyn	SENCOR plus Pretilachlor	SENCOR plus Lactone	SENCOR plus Sulfonilic	SENCOR plus Anilone	SENCOR plus Gracilone	SENCOR plus Lactone & Gracilone	SENCOR plus Sulfonilic & Gracilone	SENCOR SPLIT-SHOT	SENCOR plus Sulfonilic	SENCOR plus Anilone plus Dacthyn (Lactone or Dacthyn)
Sandbur (<i>Cenchrus spp.</i>)	P	C	C	P	C	S	•	P	P	C	F	S	•	•
Shattercane (<i>Sorghum bicolor</i>)	P	C	C	P	P	P	P	P	P	P	P	P	C	•
Sorghum Volunteer (<i>Sorghum spp.</i>)	P	C	C	P	P	P	P	P	P	P	P	P	•	P
Sprangletop (<i>Leptochloa spp.</i>)	P	C	C	P	P	P	•	P	P	P	P	P	•	F
Sonchgrass (<i>Eragrostis spp.</i>)	P	C	C	P	P	P	•	P	P	P	P	P	•	P
Wheat Volunteer (<i>Triticum spp.</i>)	P	P	P	P	P	P	S	P	P	C	C	P	•	P
Witchgrass (<i>Panicum capillare</i>)	P	C	C	C	C	C	•	F	P	C	C	C	C	•

SENCOR ALONE.

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

SENCOR DF 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

18

soils containing less than 2% organic matter. Do not incorporate into soil or apply more than once per season.

POUNDS OF SENCOR DF PER ACRE	ORGANIC MATTER		
	Less than 2%	2 to 4%	Over 4%
COARSE SOILS (Sandy loam, loamy sand)	DO NOT USE*	1/2	1/2
MEDIUM SOILS* (Loam, silt loam, silt sandy clay, sandy clay loam)	1/2 to 1	1/2 to 1	1 to 1 1/2
FINE SOILS† (Silty clay, silty clay loam, clay, clay loam)	1/2 to 1	1 to 1 1/2	1 to 1 1/2
Microtop Soil Only	1	1 1/2	1 1/2

* For control of lambsquarters, redroot pigweed and wild mustard, and for suppression of green, yellow and giant foxtails on alkaline irrigated soils in Nebraska, Minnesota, South Dakota and North Dakota only, apply SENCOR DF at rates of 1/2 to 1 pound/acre on medium soils and 1/2 to 1 pound/acre on fine soils regardless of soil organic matter percentage (use 1/2 pound/acre where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pound/acre rate of SENCOR DF alone can be applied regardless of soil pH. For control of other weeds listed on the label use SENCOR DF at full rates (as 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.

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

* Refer to the appropriate section of this label for use of SENCOR DF on soybeans in coarse soils with 0.5% and more organic matter in certain states.

USES OF SENCOR IN COMBINATIONS WITH OTHER HERBICIDES

SEQUENTIAL APPLICATION OF SCEPTER FOLLOWING SENCOR:

If needed, application of SENCOR DF alone or in a registered tank mix according to directions on the 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

19

13 of 47

pints of nonionic surfactant approved for use on growing crops and containing at least 60% active ingredient per 100 gallons of mixture. Apply crop oil concentrate (COC) at the rate specified on the COC label.

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

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

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

SPLIT-SHOT APPLICATION

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

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

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

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

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

BEST AVAILABLE COPY

SPLIT-SHOT APPLICATION

SOIL TEXTURE	Rate of Preplant Incorporated Tank Mix Application	Rate of SENCOR DF plus Prowl or Dual or Lasso or Sonalan	Followed by	Rate of SENCOR DF Overlay Application
				Rate of SENCOR DF per acre
FINE	1.0 to 1.5	1.0 to 1.5	Preemergence	2 to 4
MEDIUM	1.0 to 1.5	1.0 to 1.5	Preemergence	2 to 4
COARSE	1.0 to 1.5	1.0 to 1.5	Preemergence	2 to 4

For coarse textured soils with less than 2% organic matter, use the following rates: 1.0 to 1.5 for soils with a calcareous surface area at a pH of 7.5 or higher.

14 of 47

- 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
- Use the lower rate of SENCOR DF in the preplant incorporated tank mix on soils having a calcareous surface area or a pH of 7.5 or higher, and in those situations where soils within a field vary extremely in texture or organic matter content
- Reduce the preemergence overlay rate of SENCOR DF by 1/4 pound/acre when using SPLIT SHOT application on soils with over 4% organic matter and which have a calcareous surface area or a pH of 7.5 or higher

EXTENDED SPLIT-SHOT APPLICATION

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

An early preplant (surface-applied or shallow incorporated) application of SENCOR DF tank mixed with either Dual or Lasso, followed by a preemergence surface application of SENCOR tank mixed with Dual or Lasso after planting but prior to soybean emergence, will control more broadleaf and grass weeds in soybeans than either herbicide used alone. An Extended Split-Shot application will decrease the need for tillage and/or contact herbicides for the control of existing vegetation prior to planting, while providing residual control of weeds after planting.

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

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

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

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

EXTENDED SPLIT-SHOT APPLICATION

Soil Texture	Early Preplant Tank Mix Application (Shallow Incorporated)		Informed	Preemergence Overlay Application	
	Rate of Combination Product/acre	Rate of SENCOR DF/acre	%	Rate of Combination Product/acre	Rate of SENCOR DF/acre
COARSE					
Fines	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2
Medium	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2
Fine	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2
MEDIUM					
Fines	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2
Medium	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2
Fine	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2
FINE					
Fines	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2
Medium	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2
Fine	2 to 2 1/2	1 to 1 1/2	10 to 15	2 to 2 1/2	1 to 1 1/2

Use the lower rate of SENCOR DF in the early preplant tank mix on soils having a calcareous surface area or a pH of 7.5 or higher. Use the lower rate of SENCOR DF in the early preplant tank mix on soils having a calcareous surface area or a pH of 7.5 or higher.

1987

tions 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 DF 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 DF lb./acre	Sonalan 3 EC gal./acre
COARSE ¹ (Sandy loam, loamy sand)	1/2	1 1/2
MEDIUM ² (Loam, silt loam, silty sandy clay, sandy clay loam)	1/2	1 1/2
FINE ³ (Silty clay, silty clay loam, clay, clay loam)	1/2	2 1/2

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

² Silty clay loams are hard to mix. Soils may be classified as medium textured soils in some regions of the U.S.

³ For control of late blight, red root rot, and other diseases on soybeans, apply SENCOR DF at rates of 1/2 pound/acre on medium soils and 1/2 to 1 pound/acre on fine soils, regardless of soil organic matter percentage (use 1/2 pound only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pound rate of SENCOR DF in tank mix combination with Sonalan can be applied regardless of soil pH. For control of other weeds listed on the label, use SENCOR DF 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.

Special Precautions (S): 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 DF 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 DF 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 DF 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 DF plus Treflan to the soil surface and incorporate in the same operation, if possible. Variable weed control may result from delayed incorporation if SENCOR DF 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 DF 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.

150F-7

BROADCAST RATES

SOIL TEXTURE	SENCOR DF Pounds per Acre	Treflan EC Pints per Acre
COARSE* (Sandy loam; loamy sand)	1/2	1
MEDIUM (loam; silty loam; silty sandy clay; sandy clay loam)	3/4	1 1/2
FINE (silty clay; silty clay; loam; clay; clay loam)	1	2

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

† Silty clay loam soils in the Southeast are classified as medium-textured soils in some regions of the U.S.

‡ For control of lambsquarters, velvetleaf, green and yellow foxtails on a same red (calcareous) soils in Minnesota, Nebraska, South Dakota and North Dakota only apply SENCOR DF at rates of 1/2 pound/acre on medium soils and 3/4 to 1 pound/acre on fine soils regardless of soil organic matter percentage. Use 1/2 pound/acre where soil pH is less than 7.5 and weeds are less than 4 inches tall. The broadcast rate of SENCOR DF in tank mix application with Treflan can be applied regardless of soil pH. For control of other weeds refer to the label for SENCOR DF at broadcast 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 (plows, 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 16 months after the tank mix application. Cool wet weather conditions during the early stage of growth may increase the possibility of injury to sorghum.

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

SENCOR PLUS DUAL

SENCOR PLUS DUAL OVERLAY APPLICATION

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

SENCOR PLUS DUAL TANK MIX APPLICATIONS

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

Apply SENCOR DF 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 DF 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 DF in fluid or dry fertilizer refer to the "Application Of SENCOR In Fluid Fertilizers" or "Commercial Impregnation And Application Of SENCOR On Dry Bulk Fertilizer" under the "GENERAL INFORMATION" section in the front of this label.

170F47

BROADCAST RATES: SENCOR plus Dual Tank Mix **Preemergence Applications**

SOIL TEXTURE	ORGANIC MATTER			
	0.5% to 3%		Over 3%	
	SENCOR DF Pounds/Acre	Dual BE Pints/Acre	SENCOR DF Pounds/Acre	Dual BE Pints/Acre
COARSE ¹ (loamy sand, sandy loam)	1 1/2	1 1/2	2	1 1/2
MEDIUM (loam, silt loam, silty)	1 1/2	1	1 1/2	2
FINE (silty clay loam, sandy clay loam, silty clay, sandy clay, clay loam, clay)	1 1/2	2	1 1/2 to 1 3/4	2 to 2 1/2
Mississippi Delta Only (silty clay, clay)	1 1/2	2	1	2 to 2 1/2

¹ Do not use on sand soil. Do not apply SENCOR DF plus Dual tank mix pre-emergence on loamy sand with less than 2% 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.

BROADCAST RATES: SENCOR plus Dual Tank Mix **Preplant Incorporated Applications**

SOIL TEXTURE	ORGANIC MATTER			
	0.5% to less than 3%		3% or greater	
	SENCOR DF Pounds/Acre	Dual BE Pints/Acre	SENCOR DF Pounds/Acre	Dual BE Pints/Acre
COARSE ¹ (loamy sand, sandy loam)	1 1/2	1 1/2	1 1/2	1 1/2
MEDIUM (loam, silt loam, silty)	1 1/2	1	1 1/2	2
FINE (silty clay loam, sandy clay loam, silty clay, sandy clay, clay loam, clay)	1 1/2	2	1 1/2	2 to 2 1/2
Mississippi Delta Only (silty clay, clay)	1 1/2	2	1 1/2 to 1 3/4	2 to 2 1/2

Do not use on sand soil. Do not apply SENCOR DF plus Dual tank mix preplant incorporated on sand soil with less than 2% organic matter or on loamy sand soil.

28

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 DF as directed on this label for use on soybeans.

SENCOR PLUS PROWL TANK MIX APPLICATION

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

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

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

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

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

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 tilled implements such as a rotary hoe that does not damage soybeans.

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

For information on applying SENCOR DF as liquid or dry fertilizer refer to the "Application of SENCOR DF in Liquid Fertilizers" or "Commercial Incorporation and Application of SENCOR DF on Dry Bulk Fertilizer" under the "General Information" section in the front of this label.

SOUTHERN STATES AND EASTERN COASTAL PLAINS

For use only in Alabama, Arkansas, Florida, Georgia, Louisiana,

180547

sems, 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 on soils with less than 2% organic matter in the coastal plain of New Jersey or the Delaware Peninsula.

BROADCAST RATES: SENCOR plus Prowl Tank Mix Application

SOIL TEXTURE	SENCOR DF Pounds/Acre	Prowl Pints/Acre
COARSE* (Sandy loam loamy sand)	1/2	1 1/2
MEDIUM (Loam, silt loam, silt, sandy loam, sandy clay loam)	1/2	1 1/2
FINE (Silty clay, silty clay loam, clay, clay loam)	1/2	1 1/2 to 2

* Do not use on sand soils. Do not use on loamy sand or sandy loam 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.

Do not use on muck or peat soils.

NORTHEASTERN AND NORTH CENTRAL STATES

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

BROADCAST RATES: SENCOR plus Prowl Tank Mix Applications

SOIL TEXTURE	ORGANIC MATTER			
	1/2 to 2%		Over 2%	
	SENCOR DF Pounds/Acre	Prowl Pints/Acre	SENCOR DF Pounds/Acre	Prowl Pints/Acre
COARSE* (Sandy loam loamy sand)	1/2	1	1/2	1 1/2
MEDIUM (Loam, silt loam, sandy clay, sandy clay loam)	1/2	1 1/2 to 2	1/2 to 1	1 1/2 to 2
FINE (Silty clay, silty clay loam, clay, clay loam)	1/2 to 1	1 1/2 to 2	1/2 to 1	2 to 2 1/2

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

† Do not use on sand soils. Do not use on loamy sand or sandy loam containing less than 1% organic matter. Do not use on muck or peat soils.

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

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

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

RECOMMENDED APPLICATIONS: SENCOR plus Lasso Tank Mix Preemergence Applications (Broadcast rates)

SOIL TEXTURE	1/2 to 2% Organic Matter		Greater than 2% Organic Matter	
	SENCOR DF Lbs./Acre	Lasso Oz./Acre	SENCOR DF Lbs./Acre	Lasso Oz./Acre
COARSE* (Sandy loam)	1/2	1 to 2	1/2	1 to 2
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	1 to 2	1/2	1 to 2
FINE (Silty clay, silty clay loam, clay, clay loam)	1/2 to 1	1 to 2	1/2 to 1	2 to 2 1/2
Mississippi Delta Only (Heavy clay)	SENCOR DF Lbs./Acre + Lasso Oz./Acre 1/2 + 2 to 2 1/2			

* Do not use SENCOR DF on sand soils or sandy loam soils with less than 2% organic matter.

195F47

*For control of lambsquarters, nightshade, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Arkansas, Nebraska, South Dakota, and North Dakota only, apply SENCOR DF at rates of 1½ pounds/acre on medium soils and 1½ to 2 pounds/acre on fine soils regardless of soil organic matter percentage (use 1½ pounds/acre only where soil pH is less than 7.5 and weed pressure is heavy). The 1½ pounds/acre rate of SENCOR DF in tank mix combination with Lasso can be applied regardless of soil pH. For control of other weeds use SENCOR DF at full rates recommended in the table above, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

*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 maximum soil.

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

Apply SENCOR/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 DF Pounds/Acre	Lasso Quarts/Acre
COARSE* (Coarse sand (river or organic material) sandy loam)	1	2 to 2.5
MEDIUM (Silty clay loam)	1.5	2 to 3
FINE (Silty clay loam, silty clay, silty clay loam, silty clay, silty clay loam)	2	2 to 3
Mississippi Delta Only (Silty clay loam)	1.5 to 2	2 to 3

*Do not use SENCOR DF on coarse sand or heavy sand soils with less than 2% organic matter.

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

Do not use on maximum soil.

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.

SENCOR PLUS COMMAND TANK MIX APPLICATION

SENCOR DF 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 DF plus Command 4EC may only be applied with ground equipment as a preplant or shallow incorporated application. SENCOR DF 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, Jimson weed, Knotweed, Lambsquarters, Pigweeds, Prickly Sida, Teaweed, Purslane, Common Ragweed, Redweed, Sesbania, Smartweeds, Spurred Anoda, Velvetleaf, Venice Mallow, Wild Mustards, Barnyardgrass*, Bluegrass, Broadleaf Signalgrass, Crabgrass*, Foxtails (Green, Giant Yellow*, Robust Purple), Goosegrass, Johnsongrass (seedling), Fall Pankum*, Texas Pankum, and witchgrass.

28 of 41

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

BROADCAST RATES:

SOIL TEXTURE ¹	0.5 to 2% Organic Matter		Over 2% Organic Matter	
	SENCOR DF Lbs./Acre	Command 4 EC Pts./Acre	SENCOR DF Lbs./Acre	Command 4 EC Pts./Acre
COARSE (Sandy loam, loamy sand)	1/2	1 1/2 to 2	1/2	1 1/2 to 2
MEDIUM (Loam, pH from 5.5 to 7.5; sandy clay, sandy clay loam)	1/2 to 1	1 1/2 to 2	1/2 to 1	1 1/2 to 2
FINE (Silty clay, silty clay loam ² , clay, clay loam)	1/2 to 1	1 1/2 to 2	1/2 to 1	1 1/2 to 2

¹ Crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

² Do not use on coarse soils with less than 1% organic matter.

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

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

Mixing: Refer to "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
Gainsoga	Sicklepod
Jimsonweed	Smartweeds
Knotweed	Spotted spurge
Kochia	Spurred Anoda
Lambsquarters	Velvetleaf
Pigweeds	Vernice mallow
Prickly Sida; Teaweed	Wild mustards
Purslane	

SENCOR DF and Command plus Treflan, Lasso, Dual, Prowl or Sonalan will suppress (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 Texture	A	B	C	D	E	SENCOR DF (lbs. acre)	Command 4 EC (pts. Acre)
COARSE							
MEDIUM							
FINE							

¹ Do not use on soils with a calcareous surface area or a pH of 7.5 or higher.

² Do not use on soils with a calcareous surface area or a pH of 7.5 or higher.

³ Do not use on soils with a calcareous surface area or a pH of 7.5 or higher.

⁴ Do not use on soils with a calcareous surface area or a pH of 7.5 or higher.

260F47

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

Weeds Controlled: SENCOR DF plus Scepter plus Trellan, Lasso, Dual, Prowl or Sonalan will control the following broadleaf weeds and grasses:

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

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

RECOMMENDED APPLICATION
(broadcast rates)

Soil Texture	A	B	C	D	E	SENSOR DF (lbs acre)	Scanner 15 AS (gbs Acre)
COARSE	1.1	1.1	1.1	1.2	1.2	1.1	1.1 to 1.2
MEDIUM	1.1	1.2	1.2	1.3	1.3	1.2 to 1.3	1.2 to 1.3
FINE	1.1	1.2	1.2	1.3	1.3	1.2 to 1.3	1.2 to 1.3

SENCOR PLUS SURFLAN

SENCORPLUS SURFLAN TANK-MIX APPLICATION

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

38

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 DF Pounds/Acre	Surflan A-5 Ounces Per Acre
COARSE* (Sandy loam, loam, silty loam, silty clay loam)	1.0	1.0
MEDIUM (Loam, silty loam, silty clay loam, sandy clay, sandy clay loam)	1.0	1.0
FINE (Silty clay, silty clay loam, clay, clay loam)	1.0	1.0
Mississippi Delta Only	1.0	1.0

*Not recommended on soils with less than 1% organic matter. Do not use on soils containing more than 5% organic matter.

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-5.

SENCOR PLUS AMIBEN

SENCOR PLUS AMIBEN PREEMERGENCE TANK MIX APPLICATION

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

BROADCAST RATES: SENCOR plus Amiben Preemergence Tank Mix Application

SOIL TEXTURE	Less Than 2% Organic Matter		Greater Than 2% Organic Matter	
	SENCOR DF Lbs/Acre	Amiben 2 Gal/Acre	SENCOR DF Lbs/Acre	Amiben 2 Gal/Acre
COARSE* (Sandy loam, loam, silty loam, silty clay loam)	1.0	1.0	1.0	1.0
MEDIUM (Loam, silty loam, silty clay loam, sandy clay, sandy clay loam)	1.0	1.0	1.0	1.0
FINE (Silty clay, silty clay loam, clay, clay loam)	1.0	1.0	1.0	1.0
Mississippi Delta Only	1.0	1.0	1.0	1.0

*Not recommended on soils with less than 1% organic matter. Do not use on soils containing more than 5% organic matter.

BEST AVAILABLE COPY

SENCOR PLUS LINURON PLUS (LASSO OR DUAL)

SENCOR plus linuron plus (Lasso or Dual) Tank Mix Application: SENCOR DF 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 linuron, Lasso, or Dual 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: Applications can be made only with ground spray equipment in accordance with specified soil types and dosage rates. For specific application information, refer to the "General Information" section in the front of this label.

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

Soil Texture	SENCOR DF lbs/Acre	linuron 50 WP or 4 L (% Acre) or (gals/Acre)	Lasso 4 or Dual 8 EC O/Acre PL/Acre
COARSE* (Sandy loamy sand loamy sand)	1.5 to 2.0	1.0 to 1.5	1/4 to 1 or 1 to 1 1/4
MEDIUM (Loam, silty loam, silt sandy clay sandy clay loam)	1.5 to 2.0	1.0 to 1.5	1 to 1 1/2 or 1 1/2 to 1 3/4
FINE (Silty clay, silty clay clay, clay loam)	1.5 to 2.0	1.0 to 1.5	1 1/2 to 2 or 2 to 2 1/2

* Do not use SENCOR DF or linuron plus (Lasso or Dual) on sand soils with less than 1% organic matter.

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

Special Precautions (SENCOR plus linuron plus (Lasso or Dual)): For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the linuron label and the Lasso or Dual labels.

40

FOR USE IN COARSE (LIGHT) SOILS

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

SENCOR herbicide is recommended alone or in combination with Trellan, Lasso, Dual, Surflan or Amiben for use in coarse-textured, low organic matter soils in the states listed above for the control of certain weeds in soybeans. Refer to the appropriate sections of this label and the Trellan, Lasso, Dual, Surflan or Amiben 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 DF lbs/Acre
COARSE (LIGHT) SOILS	0.5 to 3%	1.5 to 2.0

* Do not use SENCOR DF on sand soils with less than 1% organic matter.
† Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

BEST AVAILABLE COPY

LASSO (LIGHT)		LIFE RATE	
SOILS (Sandy, loamy, silty, sandy loam)	1.5 to 4.0 2.0 to 4.0	Preplant Incorporated Treflan 4EC 1.0*	1.0 to 1.5
		Preemergence Lasso 4EC 1.0 to 2.0*	1.0 to 1.5
		Dual/BEU 1.0 to 1.5*	1.0 to 1.5
		Surflan 2.5 to 4.0*	1.0 to 1.5
		Amiben 2.0 to 4.0*	1.0 to 1.5

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

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

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

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

FOR CONTACT ACTION AND RESIDUAL CONTROL

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

42

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

SENCOR PLUS LASSO AND GRAMOXONE

SENCOR PLUS LASSO AND GRAMOXONE TANK MIX APPLICATION

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

Apply in 20 to 60 gallons spray mix per acre. Use the higher volume in fields with heavy weed infestations or with large amounts of previous crop residues. Add Ortho X-77 Spreader or similar non-solvent spreader at 1 quart per 100 gallons of diluted spray. Add SENCOR DF 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 shatter cane which emerges after treatment or other weeds later than 6 inches.

BEST AVAILABLE COPY

top kill of perennials

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

**SENCOR PLUS SURFLAN AND GRAMOXONE
PREEMERGENCE TANK MIX APPLICATION**

BROADCAST RATES Per Acre

Soil Texture	SENCOR DF	Surflan AS	Gramoxone Super
Coarse	1 1/2 pounds	4 quarts	1 1/2 quarts
Medium	1 1/2 pounds	1 quart	1 1/2 quarts
Fine	1 1/2 pounds	1 1/2 quarts	1 1/2 quarts

*Not to be used on soils with less than 1% organic matter.
Do not use on soils with more than 1% 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 this label and the Surflan and Gramoxone labels.

44

**SENCOR PLUS 2,4-D LOW
VOLATILE ESTER-TANK MIX
APPLICATION**

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

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

**SOUTHERN AND SOUTHEASTERN
STATES ONLY**

POSTEMERGENCE DIRECTED SPRAY APPLICATIONS:

SENCOR DF 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 DF can be applied to soybeans in addition to a preemergence or preplant application of SENCOR DF according to label directions.

45

260447

Prickly sida/leaves
(Sida spinosa)

(*Ambrosia artemisiifolia*)

46

RECOMMENDED APPLICATIONS: SENCOR

Since OR herbicide is not available for use underground, a drill spray equipment as a pump sprayer, which is provided with a pump, is used for the application of herbicide. A herbicide is both used in the application of herbicide and the application of herbicide. The application of herbicide is that people are using herbicide in the application of herbicide. The application of herbicide is that people are using herbicide in the application of herbicide.

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

PREEMERGENCE

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

Broadleaves:

Carpetweed (<i>Mollugo verticillata</i>)	Shepherdspurse (<i>Capssella bursa-pastoris</i>)
Cocklebur (<i>Xanthium pennsylvanicum</i> ;	Sicklepod (<i>Cassia obtusifolia</i>)
Jimsonweed (<i>Datura stramonium</i>)	Smartweed, Pennsylvania (<i>Polygonum pennsylvanicum</i>)
Lambsquarters (<i>Chenopodium album</i>)	Wild Mustards (<i>Brassica spp.</i>)
Pigweeds (<i>Amaranthus spp.</i>)	
Ragweed, Common (<i>Ambrosia artemisiifolia</i>)	

Grasses:

Broadleaf Signalgrass (<i>Brachiaria platyphylla</i>)	Johnsongrass, Seeding (<i>Sorghum halepense</i>)
Crabgrass (<i>Digitaria spp.</i>)	Panicum Fall (<i>Panicum cicutomiflorum</i>)
Foxtails (<i>Setaria spp.</i>)	

48

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

Hard To Control Weeds: Although SENCOR DF 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 (<i>Portulaca oleracea</i>)	Grasses:
	Barnyardgrass (<i>Echinochloa crus-galli</i>)
	Nutsedge (<i>Cyperus spp.</i>)

POSTEMERGENCE

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

Broadleaves

Cocklebur (<i>Xanthium pennsylvanicum</i>)	Ragweed, Common (<i>Ambrosia artemisiifolia</i>)
Lambsquarters (<i>Chenopodium album</i>)	Russian thistle (<i>Salsola kali</i>)
Pigweed, Redroot (<i>Amaranthus retrofractus</i>)	Smartweed, Pennsylvania (<i>Polygonum pennsylvanicum</i>)

Grasses:

Foxtails
(*Setaria spp.*)

On medium and fine soils in Idaho, Oregon and Washington, two postemergence applications, each at the rate of 1/2 pound per acre, will control barnyardgrass (*Echinochloa crus-galli*), Kochia (*Kochia scoparia*), sunflower (*Helianthus spp.*) and John the mustard (*Sisymbrium irio*) in addition to weeds listed above.

49

Barnyardgrass
(*Echinochloa crus-galli*)

[illegible]

*Revised: September 1, 1964

50

SENCOR DF may be applied early postemergence to potatoes through center pivot, permanent solid set, or self-propelled 12x2' move irrigation systems as directed on this label. Refer to "Chemigation" section of this label for directions.

[illegible]

On 11/22/93, the author was informed that the system (computer) had been
checked on 11/22/93 and was found to be in good working order. The following items
were determined to be correct:

SENCOR DF may be applied in a tank mix combination with **Dual BE** as a preemergence broadcast application to potatoes. Apply **SENCOR DF** at 2 to 11 pounds and **Dual BE** at 1.5 to 3 pints per acre according to the respective labels for use of each product alone on potatoes. Refer to appropriate sections of this label and the **Dual** label for precautionary statements, restrictions, application information and weeds controlled.

SENCOR DF may be applied in a tank mix combination with **ProWash** as a preemergence broadcast application to potatoes. Apply **SENCOR DF** at 2 to 11 pounds and **ProWash** 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 the label and the **ProWash** label for precautionary statements, restrictions, applicable information and weeds controlled.

other pesticides. Do not apply postemergence with herbicides 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 DF are not recommended on Atlantic Shepody, Chip Bell, Belchip, and Centennial varieties. Preemergence applications to these varieties may cause crop injury, especially under adverse 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 with grasses) (all areas except California)
2. Alfalfa and sainfoin (including mixed stands with grasses) (California only)
3. Alfalfa — Tank Mix Combination with Gramoxone (Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington, and Wyoming)
4. Alfalfa only — Post Dormant Application of SENCOR DF Impregnated on Dry Fertilizer only (Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, Ohio, Pennsylvania, South Dakota, and Wisconsin only)
5. Alfalfa only — Non-Dormant, Non-Winter Hardy Varieties (Arizona only)

SENCOR DF 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.

52

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

SPECIAL PRECAUTIONS: Do not apply SENCOR DF 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 DF when weeds are less than 2 inches tall or before weed foliage is 2 inches in diameter.

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

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 DF is applied; or
2. when SENCOR DF 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 DF Pounds/Acre	REMARKS
Alfalfa Sainfoin	1.0	ALL AREAS (including Washington, Oregon, and Idaho) — One application of SENCOR DF will be present in the soil for the winter rate of SENCOR DF. Do not apply SENCOR DF during the winter months.
Idaho, Oregon and Washington only	1.0	Idaho, Oregon and Washington only — One application of SENCOR DF will be present in the soil for the winter rate of SENCOR DF. Do not apply SENCOR DF during the winter months.

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Refer to the "Application Of SENCOR DF In Fluid Fertilizer or Commercial Impregnation and Application Of SENCOR DF On Dry Bulk Fertilizer" section in the "General Information" section in the front of this label.

53

Japanese brome (*Bromus japonicus*)
Rescuegrass (*Bromus catharticus*)

1/2 to 1 1/2 pounds SENCOR DF/acre

Broadleaves:

Fleabane, Rough
(*Erigeron strigosus*)
Flaxweed
(*Descurainia sophia*)
Henbit
(*Lamium amplexicaule*)
Kochia
(*Kochia scoparia*)
Lambquarters, Common
(*Chenopodium album*)
Marestail (Horseweed)
(*Hippuris vulgaris*)
Meadow Salsify
(*Tragopogon pratensis*)
Mustard, Blue
(*Chorispora teneta*)
Mustard, Jim Hill (Turnip)
(*Sisymbrium irio*)

Mustard, Tansy
(*Descurainia pinnata*)
Pepperweed
(*Lepidium virginicum*)
Pennycress, Field
(*Thlaspi arvense*)
Pigweed, Redroot
(*Amaranthus retrofractus*)
Prickly Lettuce
(*Lactuca serriola*)
Shepherdspurse
(*Capsella bursa-pastoris*)
White Cockle
(*Melandrium album*)
Wild Buckwheat
(*Polygonum convolvulus*)
Yellow Rocket
(*Barbarea vulgaris*)

Grasses:

Foxtail, Green
(*Setaria viridis*)
Little Barley
(*Hordeum pusillum*)

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

1 1/2 pounds SENCOR DF/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*)

54

Weeds Partially Controlled: At the rate of 1 1/2 pounds/acre SENCOR DF may be used to reduce the competition from curly dock (*Rumex crispus*). At 1/2 to 1 1/2 pounds/acre SENCOR DF may be useful to reduce the competition of German moss or knotweed (*Ajuga reptans*).

ALFALFA AND SAINFOIN

(California Only)

(Including Mixed Stands With Grasses)

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

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

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

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

Weeds Controlled

1/2 to 3/4 pounds SENCOR DF/acre

Cheatgrass (Downy brome)

3/4 to 1 1/2 pounds SENCOR DF/acre

Broadleaves:

Chickweed, Common
(*Cerastium vulgatum*)
Flaxweed
(*Descurainia sophia*)
Henbit
(*Lamium amplexicaule*)
Kochia
(*Kochia scoparia*)
Meadow Salsify
(*Tragopogon pratensis*)
Mustard, Blue
(*Chorispora teneta*)

Mustard, Tansy
(*Descurainia pinnata*)
Pepperweed, Virginia
(*Lepidium virginicum*)
Shepherdspurse
(*Capsella bursa-pastoris*)
White Cockle
(*Melandrium album*)
Wild Buckwheat
(*Polygonum convolvulus*)
Yellow Rocket
(*Barbarea vulgaris*)

Bluegrass
(Perennial)
Foxtail Barley
(Hordeum jubatum)

RECOMMENDED BROADCAST APPLICATION

CROP	SENCOR DF Pounds/Acre	REMARKS
Alfalfa and Sudangra (Crotalaria) only	2 to 3	Select the proper dosage according to weeds which are to be present in the field to be treated. Apply specified dosage in 20 to 40 pounds of water per acre with ground spray equipment or 3 to 10 gallons of water per acre with aerial spray equipment fitted with nozzles suitable for broadcast application of herbicides. Treat only dormant established crops of alfalfa and sudangra. Treatments may occur to alfalfa if SENCOR is applied earlier than 12 months after seeding. Do not apply after Spring growth begins or before growth ceases in the fall. Do not graze or harvest within 20 days after application. At the 3 1/2 pound acre rate, SENCOR DF may be used for suppression of curly top.

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Rates of 1 to 1 1/2 pounds of SENCOR DF per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce forage grass stands.
Do not apply with aerial spray equipment when wind speeds are greater than 10 mph. Do not apply when weather conditions favor curly top, or when severe cold seasons exist, such as cold crops, frosts, or straws. Do not apply in wet areas. Applications should not be made after weather conditions favor spray drift. Apply in areas where there is growing or mature forage grass. Do not apply in areas where there is growing or mature forage grass. Do not apply in areas where there is growing or mature forage grass.

56

ALFALFA SENCOR PLUS GRAMOXONE TANK MIX

(Colorado, Idaho, Kansas, Nevada, Oregon, Utah,
Washington and Wyoming)

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

Weeds Controlled.

SENCOR DF (1/2 to 1 pound/acre) plus Gramoxone Super (2 to 2 1/2 pints/acre) tank mix application will control established weeds. Gramoxone controls weeds by contact activity.

Bluegrass	Chickweed
Henbit	Downy brome
Cheat	Japanese brome
Rescuegrass	Shepherdspurse

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

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

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

57

For treatment of the following weeds, the use of SENCOR on soils with calcareous surface soils with high level of iron is sodium and with a pH greater than 8.2. Do not apply when the soil is too dry or too wet. Do not apply when the soil is too dry or too wet. Do not use on corn. Refer to the label for more information. Do not use on corn. Refer to the label for more information.

ALFALFA

Post Dormant Application of SENCOR Impregnated on Dry Fertilizer only — SENCOR DF 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 1 to 3 1/2 pounds per acre as directed on the label for application during dormancy. Apply only when alfalfa foliage is dry or crop injury may occur. When using this application method do not harvest or graze treated alfalfa for 60 days after application.

ALFALFA

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

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

Weeds Controlled

Mouse barley
Hordeum murinum
Wild radish
Raphanus raphanistrum
Pucky lettuce
Lactuca serriola
Field pepperweed
Lepidium ramosissimum
Silverchambrass
Polygonum argyroleaves
London rocket
Sisymbrium irio
Shepherdspurse
Capsella bursa-pastoris
Lutescent canarygrass
Phalaris minor
Lambsquarters, common
Chenopodium album
Little mallow (cheeseweed)
Malva parviflora
Spiny sowthistle
Sonchus asper

RECOMMENDED APPLICATION

CROP	Pounds SENCOR DF	REMARKS
Alfalfa	1 to 3 1/2	Apply to established crops of alfalfa after dormancy has broken, but prior to three inches of new shoot growth, only when impregnated on dry fertilizer. Apply at rates of 1 to 3 1/2 pounds per acre as directed on the label for application during dormancy. Apply only when alfalfa foliage is dry or crop injury may occur. When using this application method do not harvest or graze treated alfalfa for 60 days after application.

SPECIAL PRECAUTIONS

Do not apply to crops of alfalfa which are not winter hardy. Do not apply to crops of alfalfa which are not winter hardy. Do not apply to crops of alfalfa which are not winter hardy. Do not apply to crops of alfalfa which are not winter hardy.

Directions

Weeds Controlled: SENCOR DF, 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*)

Grasses:

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

Ragweed, Common
(*Ambrosia artemisiifolia*)
Smartweed, Pennsylvania
(*Polygonum pennsylvanicum*)
Sorrel, Red
(*Rumex acetosella*)
Velvetleaf
(*Abutilon theophrasti*)

Sandbur, Field
(*Cenchrus pauciflorus*)

60

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR DF Pounds/Acre	REMARKS
Asparagus	1 1/2 to 2 1/2 pounds	PRE-EMERGENCE 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 DF 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 1/2 to 1 1/2 pounds pre-emergence plus 1 1/2 to 2 pounds post harvest	SPLIT APPLICATION: PRE-EMERGENCE AND POST HARVEST Pre-emergence 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 last harvest of the season but prior to emergence. The lower combination rates may be used for control of common ragweed, lambsquarters, redroot pigweed, and red sorrel. Use the higher combination rates for other weeds listed or in fields with severe grass infestations or for maximum post-harvest control of emerged weeds.

IMPORTANT: The total amount of SENCOR DF applied in one crop season may not exceed 2 1/2 pounds per acre.

SPECIAL PRECAUTIONS (Asparagus): Do not use on newly seeded asparagus nor on young plants during the first growing season after setting crowns.

DO NOT APPLY POST-HARVEST APPLICATION UNTIL AFTER THE LAST HARVEST OF SPEARS.

FIELD CORN

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

SENCOR herbicide is recommended for the added effect on the control of certain broadleaf weeds in corn when applied pre-emergence 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 label for weeds controlled by these combinations.

61

Smartweed, Pennsylvania
(*Amaranthus retroflexus*)
Smartweed, Pennsylvania
(*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 DF 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.

62

RECOMMENDED BROADCAST APPLICATIONS

SOIL TEXTURE	SENCOR DF	Lasso E.C. or Dual E.C.	Atrazine E.C. or 80 WP or Bladex E.C. or 80 WP
Medium Clean, silty loam Silty loam Sandy clay loam	5 D	15 to 20 Gs	1.5 to 2.0 Gs or 0.75 to 1.0 Gs
Fine Silty clay Clay loam Clay	7 D	20 to 25 Gs	2.0 to 2.5 Gs or 1.0 to 1.5 Gs

1. If soil conditions are not medium, fine, or clay, use the dosage for medium, fine, or clay soil. For example, if the soil is medium, fine, or clay, use the dosage for medium, fine, or clay soil. For example, if the soil is medium, fine, or clay, use the dosage for medium, fine, or clay soil.

63

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

Corn seed should be planted 1½ 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 broadleaf weeds in lentils and dry field peas.

WEEDS SUPPRESSED*

Common Chickweed**

Dog Fennel

Field Pennycress

Henbit**

Lambsquarters

Shepherdspurse**

Wild Mustard

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

**Preemergence application only.

PREEMERGENCE APPLICATION: A single preemergence application at ½ to ½ lbs. of SENCOR DF 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 ½ to ½ lb. of SENCOR DF per acre on lentils and spring peas. On winter peas, use ¼ to ½ lb. of SENCOR DF per acre. For suppression of dog fennel, use ½ lb. SENCOR DF per acre. Apply specified

64

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

One postemergence application may be made per season.

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

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

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

SPECIAL PRECAUTIONS (all applications): Crop injury may result if crop is under stress conditions caused by cold weather, low fertility, disease or insect damage.

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

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

Do not apply to "Estin" lentils.

Do not use on clay knobs or poorly covered subsoils.

Do not apply on shallow seedings less than 2" deep (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 DF, 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

Aerial Application: SENCOR DF is recommended for preemergence or postemergence application to irrigated sugarcane. Aerial spray equipment should be calibrated to apply the proper amount of SENCOR DF in 7 to 10 gallons of spray mixture per acre. SENCOR DF applied preemergence or postemergence to the sugarcane as a broadcast spray or spot treatment will effectively control the following when weeds are less than 3 inches in height.

Weeds Controlled in Irrigated and Non-irrigated Sugarcane:

Broadleaves:	Grasses:
Amaranth, Spiny (<i>Amaranthus spinosus</i>)	Crabgrass (<i>Digitaria</i> spp.)
Euphorbia, Wild (<i>Euphorbia</i> spp.)	Gumgrass (<i>Panicum maximum</i>)
Fireweed (<i>Erechtites hieracifolius</i>)	Plushgrass (<i>Chloris radata</i>)
Flora paintbrush (<i>Erhha sonchifolia</i>)	Ricegrass (<i>Oryzopsis hymenoides</i>)
Spurge, Garden (<i>Euphorbia hirta</i>)	Wiregrass (<i>Elysiue indica</i>)
Spurge, Graceful (<i>Euphorbia glomerata</i>)	

Weeds Controlled in Irrigated Sugarcane Only:

Broadleaves:	Grasses:
Amaranth, Spleen (<i>Amaranthus dubius</i>)	Hibiscus (<i>Mimosa pudica</i>)
Haloa Koa (<i>Leucaena leucocaphala</i>)	Purslane, Common (<i>Portulaca oleracea</i>)
Haloa (<i>Waltheria americana</i>)	Rattlepod (<i>Crotalaria spectabilis</i>)
Alexandergrass (<i>Brachiaria plantaginea</i>)	Bristly foxtail (<i>Setaria verticillata</i>)

Weeds Controlled in Non-Irrigated Sugarcane Only:

Broadleaves:	Tarweed
Ageratum (<i>Ageratum conyzoides</i>)	(<i>Cuphea carthagenesis</i>)
Richardia (<i>Richardia brasiliensis</i>)	

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR DF (Pounds/Acre)	REMARKS
Sugarcane (Hawaii)	2½ to 5½ (non irrigated)	PREEMERGENCE (Irrigated and non-irrigated sugarcane) Apply specified dosage per acre as a broadcast spray to the soil surface. Applications should be made within two weeks after planting prior to cane emergence or shortly after emergence (spike stage).
	5½ to 8 (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.
	2½ to 5½	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.
	3½ to 6½	SPOT TREATMENT Apply specified dosage in 10 to 50 gallons of finishing spray per acre. Spot treatments may be used to control weeds in matted areas, corners of fields, or areas of hard to control weeds.

Note: Do not apply more than 10½ pounds of SENCOR DF (8 to active ingredient) a-ire per crop cycle regardless of the method of application. The last application may be made up to 12 months of harvest.

Special Precaution: Do not use treated forage for feed or forage.

Amaranth, Spiny (<i>Amaranthus spinosus</i>)	Marestail (<i>Conyza canadensis</i>)
Bindweed, Field (<i>Convolvulus arvensis</i>)	Mustard, Wild (<i>Brassica kaber</i>)
Chickweed (<i>Cerastium vulgatum</i>)	Pigweeds (<i>Amaranthus spp</i>)
Henbit (<i>Lamium amplexicaule</i>)	Purslane (<i>Portulaca oleracea</i>)
Lambsquarters (<i>Chenopodium album</i>)	Sowthistle (<i>Sonchus spp</i>)
London rocket (<i>Sisymbrium irio</i>)	
Grasses:	
Broadleaf Signalgrass (<i>Brachiaria platyphylla</i>)	Foxtails (<i>Setaria spp.</i>)
Crabgrass (<i>Digitaria spp</i>)	Johnsongrass, Seedling (<i>Sorghum halepense</i>)
	Oats, Winter (<i>Avena spp</i>)

RECOMMENDED APPLICATIONS

CROP	SENCOR DF Pounds/Acre	REMARKS
Sugarcane (Louisiana and Texas only)	2 to 4	BROADCAST Apply specified dosage per acre using 20 to 30 gallons of water with ground equipment or 5 gallons of water with spray equipment. Apply as a broadcast spray during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.
	1 to 2	BAND Apply specified dosage in 10 to 20 gallons of water per acre in a 30 to 35 inch band over the row during the Fall after planting or to the stubble after harvest. Make a second application early in the Spring.

SPECIAL PRECAUTIONS (Louisiana and Texas only): Do not use treated foliage for feed or forage.

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

68

SUGARCANE

(Florida Only)

Postemergence over-the-top or directed spray applications of SENCOR DF 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 (<i>Cressleaf groundsel</i>) (<i>Senecio glabellus</i>)	Foxtail, bristleglass (<i>Setaria magna</i>)
Cudweed (<i>Gnaphalium spp</i>)	Goosegrass (<i>Eleusine indica</i>)
Purslane (<i>Portulaca oleracea</i>)	Panicum, broadleaf (<i>Panicum adspersum</i>)
	Signalgrass, Broadleaf (<i>Brachiaria platyphylla</i>)

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

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR DF Pounds/Acre	REMARKS
Sugarcane (Florida only)	1 to 2½	GROUND APPLICATION SENCOR DF 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 2½ pounds per acre in a single growing season. POSTEMERGENCE BROADCAST OR BAND Apply over the top of stubble or plant cane when 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.
	1 to 2	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 when the sugarcane is less than 14 inches tall.

SENCOR PLUS Atrazine TANK MIX: SENCOR DF may be used with atrazine as a preemergence or postemergence (before row closing) application to sugarcane. Rates for SENCOR DF are 1 to 2½ pounds/acre and atrazine 80% WP (4L) are 2½ to 5 pounds/acre (2 to 4 quarts/acre). For additional information on precautions, instructions, limitations, application, and weeds controlled, refer to this label and the atrazine label.

69

TOMATOES

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

For effective control of grasses and broadleaf weeds with postemergence applications, apply SENCOR DF 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 DF. 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	*Goosegrass
(<i>Galinsoga spp.</i>)	(<i>Eleusine indica</i>)
Lambsquarters	
(<i>Chenopodium album</i>)	
*Pigweed, Redroot	
(<i>Amaranthus retroflexus</i>)	
*Purslane, Common	
(<i>Portulaca oleracea</i>)	

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

SENCOR plus TREFLAN Tank Mix

This tank mix combination applied preplant incorporated

70

as directed on this label will control the weeds listed above plus those weeds listed on the Treflan label.

POSTEMERGENCE APPLICATIONS ESTABLISHED TOMATOES

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

Broadcast Sprays 1/2 to 1 1/2 lb. of SENCOR DF/acre

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

Directed Sprays 1/2 to 1 1/2 lbs. of SENCOR DF/acre

Grasses:	(Plus Weeds Listed Under "Broadcast Sprays")
*Foxtail, Yellow	
(<i>Setaria glauca</i>)	
*Goosegrass	
(<i>Eleusine indica</i>)	

*In regions important to these weeds, use the highest rate of herbicide and apply to the type of application made. Repeat postemergence applications may be necessary.

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

71

Tomatoes		This application may be made alone or in a tank mix combination with Trifluralin E.C. Refer to the Trifluralin label for specific rate of application and for additional precautions and restrictions for tomatoes.
	1/2 to 1	POST-EMERGENCE BROADCAST SPRAY — ESTABLISHED TOMATOES: Apply specified dosage in 20 to 75 gallons of water per acre as a broadcast spray or apply in 1/4 to 1/2 inch of water (use 1/4 to 1/2 inch of water on sandy soils) per acre as a continuous injection in center pivot and lateral move systems or in the last 15 to 30 minutes of set in permanent solid set sprinkler systems. Over the plants in single or multiple applications with a minimum of 14 days between treatments. For transplanted tomatoes do not apply within 14 days of transplanting. Transplants must have recovered from transplant shock and new growth evident. Do not apply to established tomatoes within 24 hours of application of other pesticides. Do not tank mix with other pesticides. (See "Special Precautions" below.)
	1 1/2 to 1 1/2	POST-EMERGENCE 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. This method of treatment is recommended for use in fields with a history of severe weed pressure or for transplanted tomatoes do not apply within 14 days of transplanting. Transplants must have recovered from transplant shock and new growth evident. Do not apply to established tomatoes within 24 hours of application of other pesticides. (See "Special Precautions" below.) When banding, see the appropriate section in the front of this label.

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

72

SPECIAL PRECAUTIONS (Tomatoes): Do not apply more than a total of 1 1/2 lbs. SENCOR DF per crop season.

Do not apply the total amount of 1 1/2 lbs. SENCOR DF within a time span of less than 35 days, except in the case of directed sprays.

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

Do not apply within 7 days of harvest.

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

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

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 DF can be used without injury to the crop.

DO NOT USE SENCOR DF ON TOMATOES IN KERN COUNTY, CALIFORNIA

CEREALS

(Barley and Wheat)

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

SENCOR DF 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, and 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 DF with pesticides other than those specified below. When tank mixing, carefully follow the instructions on this label. Refer to the other product label registered

73

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 DF only once per crop season to wheat or barley.

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

SPECIAL PRECAUTIONS (Cereals): Crop injury may occur on barley or wheat when SENCOR DF 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 DF into the weed root zone. Lack of adequate moisture after application may result in poor control.

Do not exceed the rates specified on this label.

BARLEY

(Spring and Winter)

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

74

PIROLINE AND STEPTOE

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

RECOMMENDED BROADCAST APPLICATIONS

SOIL TEXTURE	SENCOR DF Pounds Per Acre		REMARKS
	% Organic Matter 1 to 2	Over 2	
COARSE (Sandy loam, loamy sand)	10	10 to 15	Barley should be seeded thicker and later than other cereals. Apply after barley has fully tillered and secondary roots developed. Apply before weeds are 2 to 3 inches tall or have 2 to 3 leaves. Do not graze or feed treated barley to livestock before crop maturity.
MEDIUM (Loam, silt loam, silty clay, clay sandy clay loam)	10 to 15	5	
FINE (Silty clay, silty clay loam, clay, clay loam)		10 to 15	

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

† Silty clay loam soils and silty clay soils may be classed as medium 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 Hill

(*Sisymbrium altissimum*)

* Mustard, Wild

(*Brassica kaber*)

Pigweeds

(*Amaranthus* spp.)

Grasses:

* Cheatgrass

(*Bromus setarius*)

* Downy Brome

(*Bromus tectorum*)

* Foxtails

(*Setaria* spp.)

* Ryegrass, Annual

(*Lolium multiflorum*)

* The following weeds are not controlled by SENCOR DF: Wild oats, (Avena sativa), and other weeds.

Hard to Control Weed: Wild oats (Avena sativa)

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

75

UTAH AND WASHINGTON ON THE VARIETIES DAWNS, GAINES, HATTON, HILL 81, HYSLOP, LUKE, McDERMID, MORO, NUGAINES, PAHA, PECK, SPRAGUE, STEPHENS, WANSER, FARO, TYEE, AND WESTON AND IN MONTANA ON THE VARIETIES CENTURK, CHEYENNE AND WINALTA.

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

RECOMMENDED BROADCAST APPLICATIONS¹

SOIL TEXTURE	SENCOR DF POUNDS PER ACRE		
	0.75% to 1% Organic Matter ²	1% to 2% Organic Matter	More than 2% Organic Matter
COARSE (Loamy sand, sandy loam)	1/2 to 3/4	3/4 to 1 1/2	1 1/2 to 2 1/2
MEDIUM (Loam, silty loam, silty sandy clay loam)	3/4 to 1 1/2	1 1/2 to 2 1/2	2 1/2 to 3 1/2
FINE (Silty clay, silty clay loam, clay clay loam)	1 1/2 to 2 1/2	2 1/2 to 3 1/2	3 1/2 to 4 1/2

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

² Do not use on any soils containing less than 0.75% organic matter.

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

76

Weeds Controlled in Wheat:

Broadleaves:

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

Grasses:

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

*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 in a non-treated area in the same field.

Note: Control of weeds may be 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 DF may be applied as a tank mix with Glean[®], 2,4-D, MCPA, Igran[®], Banvel[®], Bronate[®], Bromine[®], ME4 Brominal, 3+3 Brominal, Brominal Plus, or Butrl[®]. 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 DF, 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 DF at 1/2 to 1/4 pound per acre and Igran 80WP at 1/2 to 1/4 pound per acre according to label directions. The rate of each product depends on soil type. Do not use Igran on sand or loamy sand soils. Use lower rate of Igran on sandy loam soils.

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

RECOMMENDED BROADCAST APPLICATIONS

SENCOR DF lb./Acre	REMARKS
1/2 to 1	Apply SENCOR DF in a tank mix combination with Brominal, Brominal Plus, ME4 Brominal, 3+3 Brominal, Butrl or Bronate. Use higher rate of SENCOR for control of large broad leaf weeds that are 2 inches in diameter or height. Apply before weeds are greater than 3 inches in diameter or height. Not for use on sand soils.

78

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

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

DRYLAND (NON-IRRIGATED) WINTER WHEAT

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

Weeds Controlled in Wheat:

Broadleaves:

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

Grasses:

*Cheatgrass (<i>Bromus secalinus</i>)	*Foxtails (<i>Setaria spp</i>)
*Downy Brome (<i>Bromus tectorum</i>)	*Rescuegrass (<i>Bromus catharticus</i>)

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

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

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

79

COARSE (Sandy loam silt sandy clay loam)	15 to 20	15 to 20	15 to 20
FINE (Silt clay silt clay loam) (clay loam)	15 to 20	15 to 20	15 to 20

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

† Silt, 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 DF 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 labels registered for additional directions, rates, and weed species controlled.

DRYLAND (NON-IRRIGATED) WINTER WHEAT ONLY

(Arkansas, Louisiana, Mississippi and Tennessee)

Weeds Controlled

Broadleaves:

Bittercress

(*Cardamine* spp.)

*Buttercup

(*Ranunculus* spp.)

Carolina Geranium

(*Geranium carolinianum*)

Chickweed, Common

(*Stellaria media*)

Chickweed, Mouseear

(*Cerastium vulgatum*)

Cutleaf Evening Primrose

(*Oenothera lacinata*)

Henbit

(*Lamium amplexicaule*)

*Kochia

(*Kochia scoparia*)

Lambsquarters, Common

(*Chenopodium album*)

Mayweed (dog fennel)

(*Eupatorium capillifolium*)

Mustard, Wild

(*Brassica kaber*)

Pepperweed, Virginia

(*Lepidium virginicum*)

Pigweeds

(*Amaranthus* spp.)

Shepherdspurse

(*Capsella bursa-pastoris*)

Wild Turnip

(*Brassica rapa*)

80

Grasses:

Bluegrass, Annual

(*Poa annua*)

*Cheatgrass

(*Bromus secalinus*)

*Downy Brome

(*Bromus tectorum*)

Little Barley

(*Hordeum pusillum*)

*Rescuegrass

(*Bromus catharticus*)

*Ryegrass, Italian

(*Lolium multiflorum*)

Vernal Withergrass

(*Drababerna* spp.)

*For control of these weeds on the soils use SENCOR DF at 1.5 lb/acre.

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

Recommended for use only on the following wheat varieties: Abe, Arthur 71, Caldwell, Coker 747, Coker 762, Coker 68-15, Doublecrop, Hunter, McNair 1003, McNair 1813, Nelson, Pike, Southern Belle, & Tyler.

SOIL TEXTURE	SENCOR DF ¹ Pounds/Acre	REMARKS
COARSE (Sandy loam clay loam)	1.5	Apply specific dosage per acre as a broadcast postemergence spray for wheat plants that are coming out of winter dormancy, about 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 section for information on timing and growth stages for application.
MEDIUM (Loam silt loam silt sandy clay sandy clay loam)	1.5	
FINE (Silt clay silt clay loam) (clay loam)	1.5 to 2.0	

* 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.

† Silt, clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

‡ This is pound/acre for control of weed species designated in the list of weeds controlled.

SENCOR in Combination with other Herbicides: SENCOR DF 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 applications of SENCOR DF to wheat, especially if frost occurs.

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 in the front of this label.

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

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

Weeds Controlled:

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*)

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

Grasses:

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

*Wheat, Volunteer
(*Triticum* spp.)

*Note: Once control of these weeds is established, depending on soil moisture, application of the higher labeled rate is recommended.

After Harvest Application (Fall Fallow): SENCOR DF may be applied to wheat stubble after harvest in the Fall. Apply 2 1/2 to

3/4 pound per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

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

SENCOR DF may be applied at 2 1/2 to 3/4 pound per acre as directed above for a Fall application. If other vegetation is present at the time of application use a contact herbicide.

Spring Application (Summer Fallow): SENCOR DF may be applied to wheat stubble in the Spring. Apply 1/2 to 3/4 pound per acre broadcast before weeds emerge in the Spring. Use higher rate for longer weed control or weeds designated as requiring higher rate for control. Rainfall (1/2 inch or more) is necessary for herbicide activation.

PRECAUTIONS AND RESTRICTIONS:

Do not graze treated fields.

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

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

FOR WEED CONTROL IN A FALLOW ROTATION WITH BARLEY AND WHEAT

(Colorado, Kansas, Montana, Nebraska, and Wyoming Only)

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

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

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

Where weed growth is present at application time, SENCOR DF should be applied with Gramoxone, Bucto, 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 application.

(<i>Vaccaria pyramidata</i>)	(<i>Erysimum repandum</i>)
Henbit	Mustard, Wild
(<i>Lamium amplexicaule</i>)	(<i>Brassica kaber</i>)
*Kochia	Pennycress, Field (fanweed)
(<i>Kochia scoparia</i>)	(<i>Thlaspi arvense</i>)
Lambsquarters	Pigweeds
(<i>Chenopodium album</i>)	(<i>Amaranthus</i> spp.)
Mustard, Blue or Purple	Russian thistle
(<i>Chorispora tenella</i>)	(<i>Salsola kali</i>)
Mustard, Jim Hill	Wild Sunflower
(<i>Sisymbrium altissimum</i>)	(<i>Helianthus</i> spp.)
Grasses:	
Cheatgrass	*Wheat, Volunteer
(<i>Bromus secalinus</i>)	(<i>Triticum</i> spp.)
Downy Brome	*Wild Oats
(<i>Bromus tectorum</i>)	(<i>Avena fatua</i>)
*Foxtail, Green	
(<i>Setaria viridis</i>)	

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

After Harvest Application: (Fall Fallow) — SENCOR DF may be applied to the stubble after harvest in the Fall. Apply $\frac{1}{2}$ to 1 pound per acre broadcast before weeds emerge. Use the higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall ($\frac{1}{2}$ inch or more) is necessary for herbicide activation.

Spring Application: (Summer Fallow) — SENCOR DF may be applied to the stubble in the Spring. Apply $\frac{1}{2}$ to $\frac{3}{4}$ pound per acre broadcast before weeds emerge in the Spring. Use the higher rate for longer weed control or weeds designated as requiring the higher rate for control. Rainfall ($\frac{1}{2}$ inch or more) is necessary for herbicide activation. Wheat or barley can be seeded 120 days after Spring application.

PRECAUTIONS AND RESTRICTIONS: Do not graze treated fields.

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

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

84

CROP ROTATION RECOMMENDATIONS

Waiting Period After SENCOR herbicide Application¹

4 Months	8 Months	12 Months	18 Months
Alfalfa Barley Aspen Clover Forage Grasses Potatoes Soybeans Soybeans Tomatoes Wheat	Barley Clover Corn Forage Rye Alfalfa	Other Crops not listed except for corn and potatoes	Sugar Beets Onions And other root crops

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

² Follow up peas, lentils or soybeans.

PRECAUTIONARY STATEMENTS. HAZARDS TO HUMANS AND DOMESTIC ANIMALS. CAUTION.

May be harmful if swallowed or inhaled. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist. Wash thoroughly with soap and warm water after handling. Wash contaminated clothing with soap and hot water before reuse. Do not contaminate feed or food. Keep out of reach of children.

Obtain prompt medical treatment 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 lethargy.

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.

85

to an unconscious person. Professional medical assistance should be secured immediately.

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

ENVIRONMENTAL HAZARDS.

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

Do not allow sprays to drift onto adjacent desirable plants.

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

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

RE-ENTRY STATEMENTS.

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

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings should include those statements found under the 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 warn-

86

ings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING:** Area treated with SENCOR DF 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 (or equivalent). Then offer for recycling or reconditioning, or purchase 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 the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled materials. Dispose of spill and created dross in storm 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 is 816 242 2582 or contact the nearest 800 424 6700.

Dual and Igran are Reg. TMs of Dow Corp.
Gear is a Reg. TM of E. I. du Pont de Nemours and Co.
Gramoxone is a Reg. TM of ICI Americas, Inc.
Lasso and Roundup are Reg. TMs of Monsanto Co.
Power and Scepter are Reg. TMs of American Cyanamid Co.
Sonoran, Surflan and Trelar are Reg. TMs of Elanco Products Co.
X-77 is a Reg. TM of Chevron Chemical Co.