

PM - 25

3125 - 325

P. 1/48



909436

681080

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%

EPA Reg No 3125-325

EPA Est 3125-MO-1

U.S. Patent No 3,671,523

SENCOR is a Reg. TM. SPLIT-SHOT and EXTENDED
SPLIT-SHOT are TM's of Bayer AG, Leverkusen

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

CAUTION



Möbay Corporation
Agricultural Chemicals Division
Box 4913, Kansas City, MO 64120

BEST AVAILABLE COPY

P-2/48

TABLE OF CONTENTS

Directions for Use and Conditions of Sale	4
General Information	4
Mixing	4
Application	5
Application of SENCOR in Fluid Fertilizers	6
Commercial Impregnation and Application of SENCOR on Dry Bulk Fertilizer	6
Soybeans	8
Weeds Controlled by SENCOR	
+ SENCOR Tank Mix Combinations	10
SENCOR (Alone)-Preemergence	13
SENCOR on Coarse (Light) Soils	30
(OVERLAY APPLICATIONS)	
SENCOR plus Trellan-Overlay	18
SENCOR and Sonalan-Overlay	18
SENCOR plus Dual-Overlay	20
SENCOR plus Prowl-Overlay	22
(PPI TANK MIXES)	
SPLIT-SHOT Application of SENCOR with	
Dual, Lasso, Prowl, Sonalan or Trellan	14
Extended SPLIT-SHOT Application of SENCOR with	
Dual or Lasso	16
SENCOR plus Trellan-Tank Mix	19
SENCOR plus Sonalan-Tank Mix	18
SENCOR plus Dual-Tank Mix	21
SENCOR plus Prowl-Tank Mix	22
SENCOR plus Lasso-Tank Mix	24
(PREEMERGENCE TANK MIXES)	
SENCOR plus Dual-Tank Mix	21
SENCOR plus Prowl-Tank Mix	23
SENCOR plus Lasso-Tank Mix	25
SENCOR plus Surflan-Tank Mix	26
SENCOR plus Amiben-Tank Mix	27
SENCOR plus linuron plus	
(Lasso or Dual)-Tank Mix	29
SENCOR plus Dyanap-Tank Mix	28
SENCOR plus Lasso and Dyanap-Tank Mix	29
Soybeans (Minimum Till or No-Till)	
SENCOR plus Paraquat-Tank Mix	32
SENCOR plus Lasso and Paraquat-Tank Mix	32
SENCOR plus Surflan and Paraquat-Tank Mix	32
Soybeans (Postemergence Directed Sprays)	33

2

Potatoes	35
SENCOR-Preemergence	35
SENCOR-Postemergence	36
Sprinkler Irrigation Application	38
SENCOR plus Dual-Tank Mix	40
SENCOR plus Prowl-Tank Mix	40
Alfalfa and Sainfoin	41
Alfalfa and Sainfoin (all areas except California)	42
Alfalfa and Sainfoin (Idaho, Oregon and Washington only)	42
Alfalfa and Sainfoin (California only)	43
Alfalfa-Post Dormant Application	45
Alfalfa-Non-Dormant, Non-Winter Hardy Varieties (Arizona only)	45
Asparagus	47
Field Corn (Iowa, Kansas, Missouri, Nebraska and South Dakota only)	49
Sugarcane (Hawaii only)	51
Sugarcane (Louisiana and Texas only)	53
Sugarcane (Florida only)	54
Tomatoes	55
Cereals (Barley and Wheat)	58
Barley (spring and winter)-only East of the Cascade Mountains in Idaho, Oregon, Utah, Montana and Washington	60
Winter Wheat in Idaho, Oregon, Utah, Montana and Washington	61
Dryland (Non-irrigated) Winter Wheat in Kansas, Oklahoma and Texas	64
Dryland (Non-irrigated) Winter Wheat only (Arkansas, Louisiana, Mississippi and Tennessee)	65
Wheat/Fallow/Wheat Rotation (Idaho, Oregon, Utah and Washington only)	67
Barley and Wheat/Fallow/Barley and Wheat Rotation (Colorado, Kansas, Montana, Nebraska and Wyoming only)	68
Cro	70
Rotation Recommendations	
Pre	
cautionary Statements, Statements of Practical Treatment, Environmental Hazards and Re-Entry Statements	71
Storage and Disposal	72

BEST AVAILABLE COPY

3

P. 348

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. Mobay offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual weather, or failure to follow label directions are beyond the control of Mobay and are, therefore, the responsibility of the buyer.

GENERAL INFORMATION.

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

Any tank mix containing SENCOR 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 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 while recirculating and with agitator running.
3. Follow the triple rinse procedure described under "STORAGE AND DISPOSAL" to insure that all product is removed from the container.
4. Mix thoroughly and add clean water to fill spray tank to desired level.
5. Add the other herbicide to tank last and agitate thoroughly.

4

6. Continue agitation during application and until sprayer tank is empty.

Application: 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 in a minimum of 10 to 40 gallons of spray mixture per acre broadcast.

Banded Application: Use proportionally less SENCOR per acre in a band versus a broadcast application. For band application use $\frac{1}{4}$ to 1 gallon of spray mix per inch of band width regardless of row spacing.

EXAMPLES

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

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

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

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

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

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 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.

5

BEST AVAILABLE COPY

APPLICATION OF SENCOR IN FLUID FERTILIZERS.

SENCOR 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 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 with 1/4 cup of water (1:4 ratio) in a quart jar by adding the water first and allow with SENCOR. 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 first.
- 2 Then pour 1 pint of fluid fertilizer into the quart jar and shake well.
- 3 Allow to stand for 5 minutes.

THIS 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 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 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 ON DRY BULK FERTILIZER.

Dry bulk fertilizer may be impregnated or coated with SENCOR for application to established alfalfa and soybeans. All recommendations, cautions, and special precautions on this

6

label must be followed along with State regulations relating to dry bulk fertilizer blending, impregnating and labeling.

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

Apply using a minimum of 200 pounds of dry bulk fertilizer per acre and up to a maximum of 450 pounds per acre. To impregnate or coat the dry bulk fertilizer with SENCOR, the delivery nozzle must be directed to deliver a fine spray toward the fertilizer for thorough coverage while avoiding spray contact with mixing equipment. Uniform impregnation of SENCOR to dry bulk fertilizer will result and if the absorptivity is not adequate, an absorbent powder may be added to produce a dry, free-flowing mixture. Microcel E (C. H. Mans-Manville Product Corporation) is the recommended absorbent powder. SENCOR should be pre-mixed with water to form a sprayable mixture. When another herbicide is used with SENCOR, 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 per acre from the appropriate section of this label and refer to the formula below to determine the amount of SENCOR 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.

Pounds SENCOR DF		2000		Pounds SENCOR DF
Per Acre	X	Lbs. Fertilizer	=	Per Ton of Fertilizer
		Per Acre		

Application: Uniform application is essential for satisfactory weed control. Accurate calibration of fertilizer application equipment is essential for uniform distribution to the soil surface. The recommended method of application is to apply to the recommended rate and overlap 50 percent or to double apply by spraying 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. 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 is to be used in combination with another herbicide, follow directions on this label for combinations, rates, crops, incorporation, and special precautions.

7

BEST-AVAILABLE COPY

SOYBEANS (EXCEPT CALIFORNIA)

SENCOR herbicide tank mix combinations are recommended for preplant incorporated applications, pre-emergence surface applications, SPLIT-SHOT™ application, and EXTENDED SPLIT-SHOT application. SENCOR 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 applications can be applied with ground equipment, and some can be applied with aerial spray equipment. In addition, SENCOR 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 is not recommended for use on sensitive varieties, such as Tracy Semmes, Altona, Vansoy, Coker 102, Coker 156, Peltage, Maple Amber, Govan, NKS-1884, Terra-Vig 505, Terra-Vig 606, Vinton 81, Asgrow 6520, Agri-Pro 55 and Agri-Pro 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.
- 3 When applied in conjunction with soil-applied organic phosphate pesticides.
- 4 Over-application or boom overlapping may result in stand loss and soil residues.
- 5 Uneven application or improper incorporation can decrease the level of weed control and/or increase the level of injury.
- 6 When applied to any soil with less than 1% organic matter.
- 7 Soil incorporation deeper than recommended.
- 8 When sprayers are not calibrated accurately.
- 9 When heavy rains occur soon after application, especially in poorly drained areas where water may stand for several days.
- 10 When soybeans are planted less than 1 1/2" deep, particularly in pre-emergence application.

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

Grazing and Feeding Treated Vines: Treated vines may be grazed or fed to livestock 40 days after application when SENCOR is applied alone or with Trellan®, Dual®, Prowl®, Lasso, Amben®, Paraquat, Lasso plus Paraquat.

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

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

Replanting: If replanting is necessary in fields treated with SENCOR 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.

BEST AVAILABLE COPY

F. 7/48

S = Suppression or Erratic Control
(Control may range from poor to excellent)

• = No Information

eg

12

SENCOR ALONE.

See the "APPLICATION" section under "GENERAL INFORMATION" in the front of this label.

13

P. 8/48

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

† Soil clay loams are transitional soils and may be classified as medium or fine in some regions of the U.S.

‡ Refer to the appropriate section of this label for use of SENCOR on coarse soils with 0.5 to 2.0% organic matter in certain states.

USES OF SENCOR IN COMBINATIONS WITH OTHER HERBICIDES

SPLIT-SHOT™ APPLICATION

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

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

When a SPLIT-SHOT application of SENCOR with Proxol, Trellan or Sonalan is used, the preplant incorporated tank mix may be applied up to 21 days prior to planting soybeans. With Dual or Lasso, the preplant incorporated tank mix may be applied up to 14 days prior to planting.

On medium and fine textured soils with greater than 2% organic matter, a rate range is recommended for the SENCOR 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.

14

SPLIT-SHOT APPLICATION

SOIL TEXTURE*	Preplant Incorporated Tank Mix Application	Rate of SENCOR OF Preemergence Overlay Application	Rate of SENCOR OF Preemergence Overlay Application
	Rate of SENCOR OF Preemergence Overlay Application	Rate of SENCOR OF Preemergence Overlay Application	Rate of SENCOR OF Preemergence Overlay Application
COARSE†	1 1/2 to 2 lb/acre	1 1/2 to 2 lb/acre	1 1/2 to 2 lb/acre
MEDIUM‡	1 1/2 to 2 lb/acre	1 1/2 to 2 lb/acre	1 1/2 to 2 lb/acre
FINE‡	1 1/2 to 2 lb/acre	1 1/2 to 2 lb/acre	1 1/2 to 2 lb/acre

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

† On coarse textured soils, do not use on sand soils with less than 1% organic matter or on heavy sand or sandy loam soils with less than 0.5% organic matter. However, on coarse textured soils with a calcareous surface area or a pH of 7.5

15

or higher. Do not use on sand soils with less than 2% organic matter or on loamy sand or sandy loam soils with less than 1% organic matter.

⁶ Use this lower rate of SEHCOR 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 pre-emergence overkill rate of SEJCOR by 1/3 pound acre when using SPLIT SHOT application on soils with over 4% organic matter and which have a calcareous surface area or a pH of 7.5 or higher.

EXTENDED SPLIT-SHOT APPLICATION

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

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

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

When an EXTENDED SPLIT-SHOT application of SENCOR 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 2½ qts Lasso in the early preplant tank mix when surface applied and use 2½ to 3 qts Lasso when the tank mix is to be lightly incorporated).

When weeds exceed 1 to 1½ inches in height or diameter at application, use a contact herbicide, such as Round-Up® or Paraquat.

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.

16

EXTENDED SPLIT-SHOT APPLICATION

Soil texture ¹	Early Preplant Tank Mix Application (Surface-applied or Sailin ² Incorporated)		Followed by	Preemergence Overlay Application		
	Rate of Combination Products	Pus	Rate of SEACOR OF pounds/acre	Rate of Combination Products/acre	Pus	Rate of SEACOR OF pounds ORGANIC MATTER 2 to 4%
COARSE Sandy loam, sandy clay	Dual 1 1/2 pt or Lasso 1 1/2 pt	20-5	1 1/2	Dual 1/2 pt or Lasso 1 1/2 pt	20-5	1 1/2
MEDIUM Loam silty loam clay, silty loam clay, sandy clay	Dual 1 1/2 pt or Lasso 2 3/4 pt	20-5	1 1/2	Dual 1/2 pt or Lasso 1 1/2 pt	20-5	1 1/2
FINE Silt loam, silty loam ¹ clay, silty clay	Dual 2 pt or Lasso 2 3/4 pt	20-5	1 1/2	Dual 1/2 pt or Lasso 1 1/2 pt	20-5	1 1/2

¹ On coarse textured soils do not use on sand soils with less than 1% organic matter. However, on coarse textured soils with a calcareous surface area of a pH of 7.5 or higher, do not use on sand soils with less than 2% organic matter.

² Use the lower rate of SEACOR on the early preplant tank mix on soils having a calcareous surface area of a pH of 7.5 or higher, and in those rare situations where soils have a field very extremely in texture or organic matter content.

17

BEST AVAILABLE COPY

P. 19/48

SENCOR PLUS SONALAN

SENCOR PLUS SONALAN OVERLAY APPLICATION

SENCOR may be applied as a preemergence overlay application following a preplant incorporated application of Sonalan 3 EC. Consult the Sonalan label for specific directions on use, recommendations, restrictions and any additional weeds not specified on this label.

SENCOR PLUS SONALAN TANK MIX APPLICATION

Incorporate the tank mixture into the top 1 to 2 inches of soil within 21 days before planting according to label directions for Sonalan.

Apply SENCOR 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 OF lb/Acre	Sonalan 3 EC pt/Acre
COARSE ¹ (Sandy loam, sandy clay, loamy sand)	1	1 1/2
MEDIUM ² (Loam, silt loam, silty clay, clay loam)	2	1 1/2
FINE ³ (Silty clay, silty clay loam, clay, clay loam)	3	1 1/2

¹ Do not use on coarse-textured soils with a high water table.
² Silty clay loam, silty clay, silty clay loam, and silty clay loam are not recommended for use.
³ For use on soils with a high water table, use the following broadcast rates:
Sandy loam, sandy clay, loamy sand, silty loam, silty clay, silty clay loam, and silty clay loam: 1 lb/Acre of SENCOR and 1 1/2 pt/Acre of Sonalan 3 EC.
Loam, silt loam, silty clay, clay loam, and silty clay loam: 2 lb/Acre of SENCOR and 1 1/2 pt/Acre of Sonalan 3 EC.
Silty clay, silty clay loam, clay, and clay loam: 3 lb/Acre of SENCOR and 1 1/2 pt/Acre of Sonalan 3 EC.
Do not use SENCOR on soils with a pH of 7.5 or higher, but note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

Special Precautions (SENCOR plus Sonalan): For additional precautions, restrictions, limitations, incorporation, and sprayer clean-up information, refer to the appropriate

18

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

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

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

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

Application: For specific application information, refer to "APPLICATION" under the "GENERAL INFORMATION" section in the front of this label.

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

BROADCAST RATES

SOIL TEXTURE	SENCOR OF Pounds per Acre	Treflan EC Pints per Acre
COARSE ¹ (Sandy loam, loamy sand)	1	1
MEDIUM ² (Loam, silt loam, silty clay, sandy clay, loam)	2	1 1/2
FINE ³ (Silty clay, silty clay loam, clay, clay loam)	3	2

19

BEST AVAILABLE COPY

P 1/48

- 1 Do not use on coarse soils with less than 1% organic matter
- 2 Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.
- 3 For control of corn rootworms, beet beet, and mustard, and green and yellow loam, use the following rates: 1 lb. per acre in Minnesota, Iowa, South Dakota, and North Dakota only. Apply SENCOR at rates of 1 lb. per acre on medium textured soils and 1 1/2 lb. per acre on fine textured soils regardless of soil organic matter percentage. In sandy soils where soil pH is less than 7.5 and seedling emergence is poor, the 1 lb. per acre rate of SENCOR is tank mix combination with 1 lb. per acre of preemergence of sorghum. For control of other weeds tested on this label, use SENCOR at full rates recommended in the table above. But note that crop injury may occur on soils having a calcareous surface area or a pH of 7.5 or higher.

Incorporation Equipment:

- 1 Set PTO-driven equipment (tillers, cultivators, hoes) to cut 2 to 3 inches deep and space rotors to provide a clean sweep of the soil. PTO equipment should not be operated at a speed greater than 4 miles per hour.
- 2 Set disk to cut 4 to 6 inches deep and operate twice in different directions at 4 to 6 miles per hour.
- 3 Set mulch reader 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 Trellan): Seeding disease, cold weather, excessive moisture, high salt concentration or drought may weaken soybean seedlings and increase possibility of damage from the tank mix. Do not plant soybeans deeper than 2 inches.

In the Central United States, do not plant sorghum or oats for 12 months where the tank mix has been applied unless 20 inches or more of irrigation and/or rainfall (total) was used to produce the crop. If less than 20 inches total water was used to produce the crop during the year, do not plant either crop for 18 months after the tank mix application. Cool wet weather conditions during the 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 SE as directed on that product label for use on soybeans. Follow with a preemergence treatment of SENCOR as directed on this label for use on soybeans.

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

Preemergence Application: Dry weather following preemergence application of SENCOR plus Dual tank mixture may reduce effectiveness. If weeds develop, cultivate uniformly with shallow 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 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.

BROADCAST RATES: SENCOR plus Dual Tank Mix Preemergence Applications

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

* Do not use on sand soils. Do not apply SENCOR plus Dual tank mix as preemergence on loamy sand 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.

BEST AVAILABLE COPY

P. 148

BROADCAST RATES: SENCOR plus Dual Tank Mix
Preplant Incorporated Applications

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

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

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

SPECIAL PRECAUTIONS (SENCOR plus Dual): For additional precautions, restrictions, limitations, and sprayer cleanup information refer to the appropriate sections of this label and the Dual label.

SENCOR PLUS PROWL

SENCOR PLUS PROWL OVERLAY APPLICATION

Apply a preplant incorporated treatment of Prowl as directed on that product label for use on soybeans. Follow with a preemergence treatment of SENCOR 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 "Application" under 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. Soy-

22

beans must be planted no later than 7 days after application of the tank mixture.

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

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

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

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

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

For information on applying SENCOR 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.

SOUTHERN STATES AND EASTERN COASTAL PLAINS

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

¹ SENCOR plus Prowl is not recommended for use on soils with less than 2% organic matter in the coastal plain of New Jersey or the Delmarva Peninsula.

BROADCAST RATES: SENCOR plus Prowl
Tank Mix Applications

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

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

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

Do not use on muck or peat soils.

NORTHEASTERN AND NORTH CENTRAL STATES

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

BROADCAST RATES: SENCOR plus P Tank Mix Applications

SOIL TEXTURE	ORGANIC MATTER	
	1% to 3%	Greater than 3%
COARSE* (Sandy loam, loamy sand)	1/2	1
MEDIUM (loam, silt loam, sand, clay, sandy clay, loam)	1/2	1 to 2
FINE (Silty clay, silty clay loam, ² clay, clay loam)	1/2 to 1	1 to 2

* Do not use on sand soils. Do not use on loamy sand or sand
than 1% organic matter. Where a range of rates is shown to
use the higher rate if heavy weed infestations are expected.

² Silty clay loams are transitional soils and may be classed as
silt in some regions of the U.S.
Do not use on muck or peat soils.

SPECIAL PRECAUTIONS (SENCOR plus P):
incorporation deeper than recommended will
control and can result in crop injury.

For additional precautions, restrictions, and
sprayer cleanup information, refer to the appropriate
of this label and the Prowl label.

SENCOR PLUS LASSO

SENCOR PLUS LASSO TANK MIX APPLICATION

Preemergence: SENCOR may be used in a tank
mix with Lasso as a preemergence band or broad-
cast to soybeans in accordance with the specified
dosages recommended.

For specific information regarding spray equip-
ment, rates, mixing, directions for use, methods of applica-
tion and restrictions refer to the appropriate section.

Refer to the Lasso label for pertinent recommenda-
tions for use, restrictions and any additional weeds
on this label.

24

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

SOIL TEXTURE	1% to 3% Organic Matter		Greater than 3%
	SENCOR DF Lbs./Ac.	+ Lasso Oz./Ac.	SENCOR DF Lbs./Ac.
COARSE* (Sandy loam)	1/2	+ 1 to 2	1/2
MEDIUM* (loam, silt loam, silt, sandy clay, sandy clay loam)	1/2	+ 1 to 2	1/2
FINE* (Silty clay, silty clay, sandy clay, clay loam)	1/2	+ 2	1 to 1 1/2
Mixed (pH Delta Only) (Silty clay to heavy clay)	SENCOR DF Lbs./Ac. + Lasso Oz./Ac. 1/2 + 2 to 2 1/2		

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

² For control of lambsquarters, redroot pigweed, wild mustard, green
foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South
North Dakota only, use SENCOR DF at rates of 1/2 to 1 pound/acre or
and 1/2 to 1 pound/acre on fine soils regardless of soil organic matter.
Use 1/2 pound only where soil pH is less than 7.5 and weed pressure
is low. The 1/2 pound/acre rate of SENCOR in tank mix in combination with
applied regardless of soil pH. For control of giant weeds use SENCOR
recommended in the table above, but add that crop injury may
occur on calcareous surface soils or a pH of 7.5 or higher.

³ Silty clay loam soils are transitional soils and may be classed as muck
soils in some regions of the U.S.
Do not use on muck soils.

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

Apply SENCOR/Lasso preplant incorporated if
tillage is used or when a period of dry weather after ap-
plication is expected. If soybeans are planted on beds, apply
the tank mixture after bed formation. Apply
prior to planting and shallowly incorporate into the
2 inches of soil.

BEST AVAILABLE COPY

25

p. 14/48

**RECOMMENDED APPLICATIONS: SENCOR plus Lasso
Tank Mix Preplant Incorporated Applications (Broadcast
Rates)**

SOIL TEXTURE	SENCOR DF Pounds/Acre	Lasso Quarts/Acre
COARSE* (loamy sand [over 2% organic matter] sandy loam)	1/2	2 to 2 1/2
MEDIUM (loam, silt loam, silty)	1/2	2 1/2 to 3
FINE (silty clay loam [†] , sandy clay loam, silty clay sandy clay, clay loam, clay)	3/4	2 1/2 to 3
Mississippi Delta Only (silty clay, clay)	3/4 to 1 1/4	2 1/2 to 3

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

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

Do not use on muck soils.

SPECIAL PRECAUTIONS (SENCOR plus Lasso): For additional precautions, restrictions, limitations and sprayer clean-up information refer to the appropriate sections of this label and the Lasso label.

SENCOR PLUS SURFLAN

SENCOR PLUS SURFLAN TANK-MIX APPLICATION

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

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

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

A one-half inch rain or more of its equivalent in overhead irrigation is needed to activate the herbicide combination. If a one-half inch rain does not occur within 7 days after application, incorporate the herbicide combination into the top one inch of the soil with a ground-driven rotary hoe, rolling cultiva-

26

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

BROADCAST RATES:

Soil Texture	SENCOR DF Pounds/Acre	Surflan A.S. Quarts Per Acre
COARSE* (sand, sandy loam, loamy sand)	1/2	1/2 to 1 1/4
MEDIUM (loam, silt loam, silty sandy clay, sandy clay loam)	1/2	1 1/4 to 1
FINE (silty clay, silty clay loam [†] , clay, clay loam)	3/4	1 to 1 1/4
Mississippi Delta Only	3/4 to 1 1/4	1 to 1 1/4

* Not recommended on sand with less than 1% organic matter. Do not use on soils containing more than 5% 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 Surflan): Do not plant root crops for 12 months following application.

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

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

SENCOR PLUS AMIBEN

SENCOR PLUS AMIBEN PREEMERGENCE TANK MIX APPLICATION

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

BEST AVAILABLE COPY

BROADCAST RATES: SENCOR plus Amiben Preemergence Tank Mix Application

SOIL TEXTURE	1% to 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 ¹ (Sandy loam, loamy sand)	1/2	3/4 to 1	1/2	3/4 to 1
MEDIUM (loam, silt loam, silt sandy clay, sandy clay loam)	1/2	1 to 1 1/2	2/3	1 to 1 1/2
FINE (Silt clay, silty clay loam ² , clay, clay loam)	2/3	1 to 1 1/2	2/3 to 3/4	1 to 1 1/2
Mississippi Delta Only (Silty clay to heavy clay)	SENCOR Lbs./Acre + Amiben Gal./Acre 1 1/2 + 1 1/2			

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

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

Do not use on muck soils.

Where a rate range is specified, use the higher rate in fields with a history of extreme weed pressure. See "Rate Ranges" in the front of the "Soybeans" section on this label for additional precautions and information regarding spray equipment, mixing, application limitations and restrictions refer to the appropriate section of this label and the Amiben label.

SENCOR PLUS DYANAP

SENCOR PLUS DYANAP TANK MIX APPLICATION

A tank mix combination of SENCOR plus Dyanap preemergence, band or broadcast, may be applied up to cracking stage of soybeans. Apply SENCOR at the rates recommended on this label for use alone on soybeans. Refer to the Dyanap label for correct rates of that product and for additional information on weed control, mixing, application, restrictions and precautionary statements.

28

SENCOR PLUS LASSO AND DYANAP

SENCOR PLUS LASSO AND DYANAP TANK MIX APPLICATION

SENCOR may be applied in a tank mix combination with Lasso and Dyanap as a preemergence band or broadcast application up to the cracking stage of soybeans. For additional information concerning weeds controlled, mixing, application limitations or restrictions, refer to the Lasso and Dyanap labels under Lasso plus SENCOR and Dyanap plus Lasso tank mixes and appropriate sections of this label.

SENCOR DF (Pounds) plus Lasso 4EC (Quarts) and Dyanap (Quarts)

SOIL TEXTURE	Broadcast Rates Per Acre		
	SENCOR (Lbs.)	Lasso (Qts.)	Dyanap (Qts.)
COARSE ¹ (Sandy loam, loamy sand)	1/2	1 1/2	2 to 4
MEDIUM (loam, silt loam, silt sandy clay, sandy clay loam)	1/2 to 2/3	1 1/2 to 2	3 to 4
FINE (Silt clay, silty clay loam ² , clay, clay loam)	2/3 to 1	2	4

¹ Not recommended on sand soil with less than 1% organic matter.

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

SENCOR PLUS LINURON PLUS (LASSO OR DUAL)

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

29

BEST AVAILABLE COPY

p. 19/48

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

Soil Texture	SENCOR DF Lbs/Acre	Genome 50 WP or 4 L (lb/Acre) or (pts/Acre)	Lasso 4 or Dual 8 EC Oz/Acre or Pt/Acre
COARSE* (Sandy loamy sand loamy sand)	1/4 to 1/2	1 1/2 to 1/2	1/2 to 1 or 1 to 1 1/2
MEDIUM (Lean silt loam silt sandy clay sandy clay loam)	1/2 to 1/2	1/2 to 1/2	1 to 1 1/2 or 1 1/2 to 1 1/2
FINE (Silty clay, silty clay loam, clay clay loam)	1/2 to 1/2	1/2 to 1 1/2	1 1/2 to 2 or 1 1/2 to 2

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

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

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

**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 Amben for use in coarse-textured, low organic matter soils in the states listed above for the control of certain weeds in soybeans. Refer to the appropriate sections of this label and the Trellan, Lasso, Dual, Surflan or Amben 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: For specific application information, refer to "Application" under the "General Information" section in the front of this label.

30

**SENCOR (Alone) Preemergence Application
BROADCAST RATES**

Soil Texture	Organic Matter	SENCOR DF Lbs/Acre
COARSE (LIGHT) SOILS Sandy, Loamy Sand, Sandy Loam	0.5 to 2.0%	1/2 to 1/2

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

* Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.

SENCOR in Combination with Other Herbicides: SENCOR is recommended in a tank-mix combination with Trellan as a preplant incorporated application or as a preemergence overlay application following a preplant incorporated application of Trellan. SENCOR is also recommended for use as a preemergence application in combination with Lasso, Dual, Surflan or Amben.

BROADCAST RATES:

Soil Texture	Organic Matter	Combination Product/Acre	Plus SENCOR DF Lbs/Acre
COARSE (LIGHT) SOILS Sandy, Loamy Sand, Sandy Loam	0.5 to 2.0%	Preplant incorporated Trellan 4EC 1 pt	plus 1/2 to 1/2*
		Preemergence Lasso 4EC 1 1/2 to 2 qt	
		- or - Dual 8EC 1 1/2 to 1 1/2 pt	
		- or - Surflan A S 1/2 to 1 qt	
		- or - Amben 2 1/2 to 1 qt	

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

* Use the higher rate under heavy weed pressures and/or on soils higher in organic matter.

Special Precautions: For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of this label and the Trellan, Lasso, Dual, Surflan or Amben labels.

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

**FOR CONTACT ACTION AND
RESIDUAL CONTROL**

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

BEST AVAILABLE COPY

P. 17/48

SENCOR PLUS PARAQUAT

SENCOR PLUS PARAQUAT TANK MIX APPLICATION

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

SENCOR PLUS LASSO AND PARAQUAT

SENCOR PLUS LASSO AND PARAQUAT TANK MIX APPLICATION

Apply 1 to 2 pints Ortho Paraquat + Plus plus 2 to 2 $\frac{1}{2}$ quarts of Lasso 4 E.C. plus $\frac{1}{2}$ to $1\frac{1}{2}$ pounds SENCOR DF as a preemergence broadcast ground spray. Use the higher rate of Paraquat + Plus 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 Paraquat and Lasso labels for rates which are dependent upon soil textures, directions, limitations and cautions.

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

SENCOR PLUS SURFLAN AND PARAQUAT

SENCOR PLUS SURFLAN AND PARAQUAT TANK MIX APPLICATION

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

32

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

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

SENCOR PLUS SURFLAN AND PARAQUAT PREEMERGENCE TANK MIX APPLICATION

BROADCAST RATES Per Acre

Soil Texture	SENCOR DF	Surflan A S	Paraquat + Plus
Coarse ¹	$\frac{1}{2}$ pound	$\frac{1}{2}$ quart	1 quart
Medium	$\frac{1}{2}$ pound	1 quart	1 quart
Fine	$\frac{1}{2}$ pound	1 $\frac{1}{2}$ quarts	1 quart

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

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

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

Application: For specific application information refer to "Application" under 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 Paraquat): Poor weed control and/or crop injury may result if directions are not followed.

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

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

SOUTHERN AND SOUTHEASTERN STATES ONLY

POSTEMERGENCE DIRECTED SPRAY APPLICATIONS

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

Weeds Controlled: SENCOR, applied postemergence to soybeans as a directed spray according to directions on this label.

BEST AVAILABLE COPY

33

P. 15/48

✓ will control the following at rates shown (broadcast basis) when grasses and common ragweed are less than 1 inch tall and other broadleaves are less than 3 inches tall:

1/2 pound/acre	
Florida beggarweed (Desmodium illinoense)	Pigweeds (Amaranthus spp.)
Carpetweed (Mollugo verticillata)	Crabgrass (Digitaria spp.)
Cocklebur (Xanthium pensylvanicum)	1/2 to 3/4 pound/acre
Dayflower (Commelina spp.)	Sesbania (Sesbania spp.)
Mexicanweed (Caperonia castanifolia)	Prickly sida/leafweed (Sida spinosa)
Purslane (Portulaca oleracea)	1/2 pound/acre **
Sicklepod (Cassia obtusifolia)	Ragweed, common (Ambrosia artemisiifolia)
Velvetleaf (Abutilon theophrasti)	

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

**Postemergence Directed Spray Applications
RECOMMENDED APPLICATIONS: SENCOR**

CROP	SENCOR OF Pounds Per Acre	REMARKS
Soybeans (Alabama Arkansas Florida Georgia Kentucky Louisiana Mississippi Missouri North Carolina Oklahoma South Carolina Tennessee and Texas)	1/2 to 3/4 (broadcast basis)	Apply proper dosage using 10 to 40 gallons of water per acre as a directed spray in a 6 to 8 inch band on each side of the row after soybeans are 8 inches tall and before broadleaf weeds are 3 inches tall and before grasses and common ragweed are 1 inch tall. For best results the spray must cover weed foliage with minimum soil contact with soybean foliage. Apply non-volatile surfactants such as (Dowfax 200) to the spray mixture to obtain better wetting of weed leaf surfaces. To determine the correct dosage of SENCOR DF for a Band application see "Band Application under Application in the General Information section in the front of this label."

34

	If necessary a second postemergence directed spray application can be made after 7 days. Do not feed or graze green soybean vines. Do not harvest soybeans or use dry soybean vines for feed or forage within 70 days of application.
--	--

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

Do not apply SENCOR postemergence to sensitive soybean varieties. See Soybean Precautions on the front of this label.

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

POTATOES

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

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

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

BEST AVAILABLE COPY

Broadleaves:

Carnelweed
(*Mollugo verticillata*)
Cocklebur
(*Xanthium*
pensylvanicum)

Pigweeds

(*Amaranthus* spp.)
Ragweed, Common
(*Ambrosia artemisiifolia*)
Shepherdspurse
(*Caposella bursa-pastoris*)
Sicklepod
(*Cassia obtusifolia*)
Smartweed, Pennsylvania
(*Polygonum*
pensylvanicum)
Wild Mustards
(*Brassica* spp.)

Jimsonweed

(*Datura stramonium*)
Lambquarters
(*Chenopodium album*)

Grasses:

Broadleaf Signalgrass
(*Bracharia platyphylla*)
Crabgrass
(*Digitaria* spp.)
Foxtails
(*Setaria* spp.)
Johnsongrass, Seeding
(*Sorghum halepense*)
Panicum, Fall
(*Panicum*
dichotomiflorum)

For Control of Wild Mustard (*Brassica* spp.) in Potatoes (Except California)—Apply at the rate of $\frac{1}{2}$ to $\frac{3}{4}$ pound per acre as a preemergence broadcast spray using aerial or ground spray equipment in accordance with directions on this label. Application should be made at or near ground crack and/or before the mustard is one inch tall. For control of mustard larger than 2 inches in diameter or other weeds listed on the label, a minimum of $\frac{3}{4}$ pound per acre must be used. When less than $\frac{3}{4}$ 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 applied preemergence may not provide commercially acceptable control in every instance, it will suppress growth of the following weeds and reduce their competition with potato plants.

Broadleaves:

Common purslane
(*Portulaca oleracea*)

Grasses:

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

POSTEMERGENCE

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

Broadleaves:

Cocklebur
(*Xanthium*
pensylvanicum)

Ragweed, Common

(*Ambrosia artemisiifolia*)

36

Lambquarters
(*Chenopodium album*)
Pigweed, Redroot
(*Amaranthus retroflexus*)

Russian Thistle

(*Salsola kali*)
Smartweed, Pennsylvania
(*Polygonum*
pensylvanicum)

Grasses:

Foxtails
(*Setaria* spp.)

On medium and fine soils in Idaho, Oregon and Washington, two postemergence applications, each at the rate of $\frac{3}{4}$ pound per acre, will control barnyardgrass (*Echinochloa crus-galli*), Kochia (*Kochia scoparia*), sunflower (*Helianthus* spp.), and Jim Hill mustard (*Sisymbrium altissimum*) in addition to weeds listed above.

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

Broadleaves:

Kochia
(*Kochia scoparia*)
Sunflower
(*Helianthus* spp.)

Grasses:

Barnyardgrass
(*Echinochloa crus-galli*)

BEST AVAILABLE COPY

P. 2948 RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR DF Pounds Per Acre	REMARKS
Potatoes	$\frac{1}{2}$ to $1\frac{1}{2}$	PREEMERGENCE: Apply specified dosage per acre as a broadcast spray to the soil surface after planting and before crop emergence or after drag or tillage operations per tillage or cultural practice. Distribute the chemical evenly over the area to be treated. Do not incorporate into soil. Use the lower rate on sandy soils.
Potatoes (white skinned varieties that are not early maturing)	$\frac{1}{2}$ to $\frac{3}{4}$	POSTEMERGENCE: Apply specified dosage per acre as a broadcast spray over the tops of potato plants. Use rates of $\frac{1}{2}$ to $\frac{3}{4}$ lb for control of redtop pigweed and lambquarters only. Apply the $\frac{1}{2}$ lb rate for control of other weeds. See on this label. Do not apply within 60 days of harvest. SPLIT APPLICATIONS: This product may be applied once preemergence and once postemergence, with a 60-day interval. IDAHO, OREGON AND WASHINGTON ONLY: Two postemergence applications can be made as broadcast sprays over the tops of potato plants if SENCOR is not applied preemergence. Use $\frac{1}{2}$ to $\frac{3}{4}$ lb per acre for control of redtop pigweed and lambquarters only. On coarse (sandy) soils with low organic matter do not exceed $\frac{1}{2}$ lb per acre per application. Do not apply after harvest. Do not apply after June 30 if used for control of other weeds. Make the first application early in the season while weeds are small. Allow at least 14 days before the second application for optimum control. Apply before weeds are 1 inch tall. Do not apply after June 30 if treated land is to be planted to crops other than potatoes. Do not apply within 60 days of harvest.

*Refer to Special Precautions - Potatoes below.

SPRINKLER IRRIGATION APPLICATION TO POTATOES:

SENCOR may be applied early postemergence to potatoes through center pivot, permanent solid set or self-propelled wheel move irrigation systems equipped with automatic shut-off devices and valves to prevent backflow into the water source. Interlocking controls should be installed between the water pump and pesticide pump so that both pumps stop if either one should fail. Maintain continuous agitation in injection nurse tanks during application. Inject the product with a positive displacement pump into the main line ahead of a right angle turn to main line.

38

sure adequate mixing. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of more dilute mixture of product and water per hour. Application of more than the quantity of irrigation water recommended on this label may result in decreased product 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.

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

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

Example: If 20 hours (1200 minutes) were required for one revolution and if 2 minutes were required to inject one gallon then a total of 600 gallons of product-water mixture are required ($1200 \div 2 = 600$), to treat 135 acres at $\frac{1}{2}$ lb/acre, 905 pounds of SENCOR DF are required.

RECOMMENDED BROADCAST APPLICATIONS

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

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

BEST AVAILABLE COPY

P. 2/48

SENCOR PLUS DUAL TANK MIX APPLICATION (Except California)

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

SENCOR PLUS PROWL TANK MIX APPLICATION (Except California)

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

SPECIAL PRECAUTIONS (Potatoes)

Do Not Use SENCOR OF on Potatoes in Kern County, California

Do not apply more than 1 $\frac{1}{2}$ pounds total SENCOR OF per acre in a single crop season regardless of the method of application. Do not apply within 24 hours of application of other pesticides. Do not apply postemergence within 3 days after periods of cool, wet or cloudy weather or crop injury may occur. Postemergence applications may cause some chlorosis or minor necrosis.

In addition to early maturing smooth-skinned white or red-skinned varieties of potatoes, postemergence applications of SENCOR are not recommended on Atlantic, Shepody, Chip Bell, Belchipp, 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.

40

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 only—Post Dormant Application of SENCOR Impregnated or Dry Fertilizer only (Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New York, Ohio, Pennsylvania, South Dakota, and Wisconsin only)
4. Alfalfa only—Non Dormant Non-Water Hard Varieties (Arizona only)

See the appropriate section of the alfalfa and sainfoin portion for information on the directions for use.

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

Application: Refer to the specific "Application" section under "General Information" in the front of this label for detailed information on the application of SENCOR. For information on applying SENCOR 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.

SPECIAL PRECAUTIONS: Do not apply SENCOR after growth begins in the spring or before growth ceases in the fall.

Treat only dormant established alfalfa.

Do not graze or harvest within 28 days after application.

For best weed control, apply SENCOR 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.

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 is applied, or
2. when SENCOR is applied during the first growing season after seeding or if applied earlier than 12 months after seeding.

BEST AVAILABLE COPY

41

P. 22/48

ALFALFA AND SAINFOIN (All Areas except California)

RECOMMENDED BROADCAST APPLICATIONS

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

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Rates of 1/2 to 1 pound 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.

SENCOR should not be used on sand soils. In areas West of the Rocky Mountains avoid using SENCOR on soils with calcareous surface area, high levels of lime or sodium, or a pH greater than 7.5.

Weeds Controlled:

1/2 to 1/2 pound SENCOR DF/acre (Idaho, Oregon, and Washington Only)

Chickweed, Common (*Cerastium vulgatum*)

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

Cheat (*Bromus secalinus*)

Downy brome (*Bromus tectorum*)

Japanese brome (*Bromus japonicus*)

Rescuegrass (*Bromus catharticus*)

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

Broodleaves:

Fleabane, Rough (*Erigeron strigosus*)

Marestail (Horseweed) (*Hippuris vulgaris*)

Flaxweed (*Descurainia sophia*)

Meadow Salsify (*Tragopogon pratensis*)

Henbit (*Lamium amplexicaule*)

Mustard, Blue (*Chorispora tenella*)

Kochia (*Kochia scoparia*)

Mustard, Jim Hill (tumble) (*Sisymbrium alissimum*)

Lambsquarters, Common (*Chenopodium album*)

Mustard, Tansy (*Descurainia pinnata*)

42

Pepperweed (<i>Lepidium virginicum</i>)	Shepherdspurse (<i>Capsella bursa-pastoris</i>)
Pennycress, Field (<i>Thlaspra arvense</i>)	White Cockle (<i>Melandrum album</i>)
Pigweed, Redroot (<i>Amaranthus retrofractus</i>)	Wild Buckwheat (<i>Polygonum convolvulus</i>)
Picky Lettuce (<i>Lactuca serriola</i>)	Yellow Rocket (<i>Barbarea vulgaris</i>)
Russian Knapweed (<i>Centaurea repens</i>)	
Grasses:	
Foxtail, Green (<i>Setaria viridis</i>)	Smooth Brome (<i>Bromus inermis</i>)
Little Barley (<i>Hordeum pusillum</i>)	Wild Oats (<i>Avena fatua</i>)

1 1/2 pounds SENCOR DF/Acre

Broodleaves:

Chickweed, Mouseear (*Cerastium vulgatum*)

Grasses:

Barleygrass (*Echinochloa crus-galli*)

Dandelion (*Taraxacum officinale*)

Bluegrass (*Poa annua*)

Ragweed, Common (*Ambrosia artemisiifolia*)

Foxtail Barley (*Hordeum jubatum*)

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 used to reduce the competition of German moss or Knawel (*Scieanthus annuus*).

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 in fluid fertilizer solutions to alfalfa, refer to the appropriate section of this label.

For information on commercial impregnation and application

P. 23/18

of SENCOR on dry bulk fertilizer, refer to the appropriate section of this label

Weeds Controlled:

$\frac{1}{2}$ to $\frac{1}{3}$ pounds SENCOR DF/acre

Cheatgrass (downy brome)

$\frac{1}{2}$ to $1\frac{1}{2}$ pounds SENCOR DF/acre

Broadleaves:

Chickweed Common

(*Cerastium vulgatum*)

Flaxweed

(*Descurainia sophia*)

Henbit

(*Lamium amplexicaule*)

Kochia

(*Kochia scoparia*)

Meadow Salsify

(*Tragopogon pratensis*)

Mustard, Blue

(*Chlorispora tenella*)

Mustard, Tansy

(*Descurainia pinnata*)

Pepperweed, Virginia

(*Lepidium virginicum*)

Shepherdspurse

(*Capsella bursa pastoris*)

White Cockle

(*Melandrium album*)

Wild Buckwheat

(*Polygonum convolvulus*)

Yellow Rocket

(*Barbarea vulgaris*)

$1\frac{1}{2}$ pounds SENCOR DF/Acre

Broadleaves:

Dandelion

(*Taraxacum officinale*)

Grasses:

Barnyardgrass

(*Echinochloa crus-galli*)

Bluegrass

(*Poa annua*)

Footed Barley

(*Hordeum jubatum*)

RECOMMENDED BROADCAST APPLICATION

CROP	SENCOR DF Pounds/Acre	REMARKS
Alfalfa and Sainfoin (California only)	1 to 1.5	SENCOR DF is recommended for alfalfa and sainfoin to suppress weeds and control grasses. Apply SENCOR DF at 1 to 1.5 pounds per acre in 20 to 40 gallons of water per acre with ground spray equipment or 3 to 10 gallons of water per acre with aerial spray equipment. For best results, apply SENCOR DF in the fall or early spring. Do not apply after spring growth begins or before growth ceases in the fall. Do not graze or harvest within 28 days after application. At the 1.5 pound/acre rate, SENCOR DF may be used for suppression of curly cock.

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Rates of $\frac{1}{2}$ to $1\frac{1}{2}$ pounds of SENCOR DF per acre will provide partial reduction of large grass stands. These rates may be used to reduce large grass stands to prevent crowding out of alfalfa. Higher rates will severely reduce large grass stands.

Do not apply with aerial spray equipment when wind speed is greater than 10 mph. Do not apply when weather conditions favor spray drift or when excessive cool season crops, such as clover, alfalfa, or soybeans, are present in adjacent fields. Applications should not be made when weather conditions favor spray drift, especially in areas where alfalfa is growing on sterile or infertile soils in adjacent fields or nearby.

ALFALFA

Post Dormant Application of SENCOR DF 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 1.5 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 is recommended as a broadcast surface application to established crops of non-dormant alfalfa varieties for pre-emergence and post-emergence control of certain winter annual weeds following either a fall or winter sheep grazing green-chop harvest.

BEST AVAILABLE COPY

Weeds Controlled

Moss, sedge,
(*Hordeum murinum*)
Nettle, real goose-foot
(*Chenopodium murale*)
Picky lettuce
(*Lactuca serriola*)
Field pepperweed
(*Leonurus japonicus*)
Silver, health knotweed
(*Polygonum aviculare*)

London rocket
(*Sisymbrium* spp.)
Shepherdspurse
(*Capsella bursa-pastoris*)
Liliseed canarygrass
(*Phalaris minor*)
Lambquarters common
(*Chenopodium album*)
Little milkwort (cheeseweed)
(*Melissa sylvestris*)
Spiry southwile
(*Sonchus asper*)

RECOMMENDED APPLICATION

[illegible]

SPECIAL PRECAUTIONS

[illegible]

46

ASPARAGUS (Established)

SENCOR is recommended for use in aerial or ground spray equipment as a single preemergence broadcast application or as a split application consisting of a preemergence broadcast application followed by a post harvest broadcast application.

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

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

Brozo:aves:

Chickweed, Common
(*Stellaria media*)
Jimsonweed
(*Datura stramonium*)
Lambquarters
(*Chenopodium album*)
Pigweed, Redroot
(*Amaranthus retroflexus*)

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

Grasses:

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

Sandbur. Field
(*Cenchrus pauciflorus*)

BEST AVAILABLE COPY

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR DF Pounds Acre	REMARKS
Asparagus	1 1/2 to 2 1/2 pounds	PREEMERGENCE APPLICATION ONLY Make a single surface application in early Spring before asparagus spears or ferns emerge. If the field is to be disked apply SENCOR 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.
		SPLIT APPLICATION PREEMERGENCE AND POST HARVEST Preemergence Application: Apply before asparagus spears or ferns emerge. The field will be disked apply after disking but prior to crop emergence. Do not apply within 14 days of harvest.
	1 1/2 to 1 3/4 pounds preemergence plus 1 1/2 to 2 pounds post 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, late sowthistle, redroot pigweed, and red sorrel. Use the higher combination rates for other weeds listed on this label. In severe grass infestations or for maximum post harvest control of emerged weeds.

IMPORTANT: The total amount of SENCOR DF applied in one crop season must 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 APPLICATIONS UNTIL AFTER THE LAST HARVEST OF SPEARS.

48

FIELD CORN

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

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

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

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

Mixing: Select proper dosages based on soil type as shown below. Fill the spray tank 1/4 to 1/2 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 under the "General Information" section "Application" of SENCOR in the front of this label.

BEST AVAILABLE COPY

49

RECOMMENDED BROADCAST APPLICATIONS

Rates Per Acre:

SOIL TEXTURE	SENCOR DF	Label 4 E C or Dual 8 E C	Label 4 E C or Dual 8 E C
MECHUM (Loam, silty loam or sandy clay loam, clay loam)	1 lb	1.5 to 2.0 gals	1.5 to 2.0 gals
FINE (Silty clay clay, clay loam)	1 lb	2.0 to 2.5 gals	2.0 to 2.5 gals
		0.75 to 1.5 gals of 4L or 1.5 to 3.0 gals of 80 WP	0.75 to 1.5 gals of 4L or 1.5 to 3.0 gals of 80 WP

1. Silty clay loam soils are functional soils and may be classified as medium textured soils in some regions of the U.S.
2. Before the label Dual Blade or Aerial Blade, use rates on specific soil textures and organic matter content. Full recommended for
use on moist soils as reduced weed control may result.

50

SPECIAL PRECAUTIONS (Field Corn): Not for use on coarse textured soils or soils containing less than 2% organic matter content.

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

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

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

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

SUGARCANE

(Hawaii Only)

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

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

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

SENCOR 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.)	Guineagrass (<i>Panicum maximum</i>)
Fireweed (<i>Erechtites hieracifolius</i>)	Plushgrass (<i>Chloris radiata</i>)
Floras paintbrush (<i>Emilia sonchifolia</i>)	Ricegrass (<i>Oryzopsis hymenoides</i>)
Spurge, Garden (<i>Euphorbia hirta</i>)	Wiregrass (<i>Elysius indica</i>)
Spurge, Graceful (<i>Euphorbia glomerata</i>)	

51

BEST AVAILABLE COPY

P. 27/18

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR DF Pounds/Acre	REMARKS
Sugarcane (Hawaii only)	2 1/2 to 5 1/2 (non irrigated)	PRE-EMERGENCE: (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 (sprout stage).
	5 1/2 to 8 (irrigated)	OR EARLY POST-EMERGENCE: (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.
	2 1/2 to 5 1/2	OR POST-EMERGENCE: Apply specified dosage per acre as a broadcast spray to control weeds prior to "close in" time when cane shades out the weed growth.
	3 1/2 to 6 1/2	SPOT TREATMENT: Apply specified dosage in 30 to 50 gallons of finishing spray per acre. Spot treatments may be used to control weeds in missed areas, corners of fields or areas of hard to control weeds.

Note: Do not apply more than 10 1/2 pounds of SENCOR DF (1 lb. active ingredient) per acre per crop cycle regardless of the method of application. The last application may be made up to 12 months of harvest.

Weeds Controlled in Irrigated Sugarcane Only:

Broadleaves:	
Amaranth, Spiney (<i>Amaranthus dubius</i>)	Hilahila (<i>Mimosa pudica</i>)
Haole Koa (<i>Leucaena leucocephala</i>)	Puristane, Common (<i>Portulaca oleracea</i>)
Hialoa (<i>Waltheria americana</i>)	Rattilepod (<i>Crotalaria spectabilis</i>)

Grasses:	
Alexandergrass (<i>Brachiaria plantaginea</i>)	Bristly foxtail (<i>Setaria verticillata</i>)

Weeds Controlled in Non-Irrigated Sugarcane Only:

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

52

SUGARCANE

(Louisiana and Texas Only)

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

Broadleaves:		Marestail (<i>Coryza canadensis</i>)
Amaranth, Spiny (<i>Amaranthus spinosus</i>)	Mustard, Wild (<i>Brassica kaber</i>)	
Bindweed, Field (<i>Convolvulus arvensis</i>)	Oats, Winter (<i>Avena spp</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>)	

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 aerial spray equipment. Apply as a broadcast spray during the fall after planting or to the stubble after harvest. Make a second application early in the Spring.
	1 to 2	BAND: Apply specified dosage in 10 to 20 gallons of water per acre in a 30 to 36 inch band over the row during the fall after planting or to the stubble after harvest. Make a second application early in the Spring.

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

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

53

BEST AVAILABLE COPY

P. 2848

SUGARCANE

(Florida Only)

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

Broadleaves:

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

Grasses:

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

*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 1/2 to 2 1/2	GROUND APPLICATION. SENCOR 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 2 1/2 pounds per acre in a single growing season.
	1 1/2 to 2	POSTEMERGENCE BROADCAST OR BAND. Apply over the top of stubble or planted cane while sugarcane is less than 14 inches tall. POSTEMERGENCE DIRECTED SPRAY. Apply to sugarcane that is a minimum of 14 inches tall and before row closing. 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 planted cane while the sugarcane is less than 14 inches tall.

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

Special Precautions: (Florida only)

Do not use on sand soils.
Spray contact with sugarcane foliage may result in minor

54

leaf margin chlorosis and/or necrosis.
Do not apply within 60 days of harvest.
Do not use treated crop for feed or forage.
Avoid spray overlaps or variations in application speed that may result in insufficient or excessive rates of application.

TOMATOES

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

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

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

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

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

Weeds Controlled:

PREPLANT INCORPORATED APPLICATIONS TRANSPLANT TOMATOES ONLY

Broadleaves:	Grasses
Galinsoga (<i>Galinsoga spp.</i>)	*Goosegrass (<i>Eleusine indica</i>)
Lambsquarters (<i>Chenopodium album</i>)	
*Pigweed, Redroot (<i>Amaranthus retrofractus</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 as directed on this label will control the weeds listed above plus those weeds listed on the Trellan label.

POSTEMERGENCE APPLICATIONS ESTABLISHED TOMATOES

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

55

BEST AVAILABLE COPY

29/48

Broadcast Sprays

**1/2 to 1 1/2 lbs. of
SENCOR DF/acre**

Broadleaves:

Carpetweed
(*Mollugo verticillata*)
Fumitory
(*Fumaria officinalis*)
Galinsoga
(*Galinsoga* spp.)
*Jimsonweed
(*Datura stramonium*)
*Ladysthumb
(*Polygonum persicaria*)
Lambsquarters
(*Chenopodium album*)
Mustard, Wild
(*Brassica kaber*)

Pigweeds
(*Amaranthus* spp.)
Purslane
(*Portulaca oleracea*)
*Ragweed/ Common
(*Ambrosia artemisiifolia*)
*Smartweed, Pennsylvania
(*Polygonum
pensylvanicum*)
Toadflax
(*Lunaria* spp.)
*Velvetleaf
(*Abutilon theophrasti*)

Directed Sprays

**1/2 to 1 1/2 lbs. of
SENCOR DF/acre**

Grasses:

*Foxtail, Yellow
(*Setaria glauca*)
Goosegrass
(*Elysiine indica*)

(Plus Weeds Listed Under
"Broadcast Sprays")

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

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

56

RECOMMENDED BROADCAST APPLICATIONS

CROP	SENCOR DF Pounds/Acre	REMARKS
Tomatoes	1 to 1 1/2	PREPLANT INCORPORATED -- TRANS-PLANT TOMATOES ONLY (EXCEPT CALIFOR- NIA): Apply specified dosage in 10 to 40 gallons of water per acre as a broadcast spray to the non-surface mulched dry before transplanting. Incorporate to a depth of 2 to 4 inches with equipment capable of uniformly mixing the chemical into the soil. This application may be made alone or in tank mix combination with Preplant. C. Refer to the label for specific rate of application and for additional precautions and restrictions for tomatoes.
	1 to 1 1/2	POSTEMERGENCE BROADCAST SPRAY-- ESTABLISHED TOMATOES: Apply specified dosage in 20 to 75 gallons of water per acre as a broadcast spray 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 to 1 1/2	POSTEMERGENCE DIRECTED SPRAY-- ESTABLISHED TOMATOES: Apply specified dosage in 20 to 75 gallons of water per acre as a directed spray in single or multiple applications with a minimum of 14 days between treatments. Avoid contacting tomato foliage with spray. This method of treatment is recommended for use in fields with a history of severe weed pressure or in fields where it is hard to control weeds. For transplanted tomatoes, do not apply within 14 days of transplanting. Transplants must have recovered from transplant shock and new growth 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.

57

P. 39/48

SPECIAL PRECAUTIONS (Tomatoes): Do not apply more than a total of 1½ lbs. SENCOR DF per crop season. Do not apply the total amount of 1½ 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 coppl. 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.

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 can be used without injury to the crop.

DO NOT USE SENCOR 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 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 wheat in Idaho, Winter wheat in Kansas, Oklahoma, & Texas.

4 Dryland wheat in Idaho, 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 with pesticides other than those specified below. When tank mixing, carefully follow the instructions on this label. Refer to the other product label registered for the specific use intended for directions, rates, and weeds controlled.

58

Application: Refer to the specific "Application" section under General Information in the front of this label for detailed information on the application of SENCOR.

Apply SENCOR when wheat stand is uniform in height. For best results apply SENCOR when weeds are small (less than 1 to 1½ inches in diameter or height). **In the Fall**, apply after wheat has a minimum of 3 tillers and 4 secondary roots at least 2 inches in length, but before winter dormancy and wheat jointing occurs. **In the Spring**, apply after wheat has recovered from winter dormancy and after wheat has fully tillered and has developed secondary roots at least 2 inches in length but before jointing.

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

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

SPECIAL PRECAUTIONS (Cereals): Crop injury may occur on barley or wheat when SENCOR 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 1½ inches) is needed within 2 to 3 weeks after application to move SENCOR into the weed root zone. Lack of adequate moisture after application may result in poor control.

Do not exceed the rates specified on this label.

BEST AVAILABLE COPY

P. 3/18

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, PIROLINE AND STEPTOE

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

RECOMMENDED BROADCAST APPLICATIONS

SOIL TEXTURE	SENCOR OF POUNDS PER ACRE		REMARKS
	By Organic Matter ¹		
	1 to 2	Over 2	
COARSE (Sandy loam, loamy sand)		1 to 2	Barley should be seeded to obtain uniform crop stand at application time. Apply after barley has fully rooted and developed second true root before putting and before weeds are 2 inches or have 2 inch diameter leaves. Do not graze or harvest before barley is 4 feet before emergence.
MEDIUM (Loam, silty loam, silty clay, sandy clay, clay)	1 to 2		
FINE (Silty clay, silty clay loam, clay, clay loam)	1 to 2	2 to 3	

¹ Do not use on soils containing less than 1% organic matter.
² Silty clay loams are the most common soil type in the Pacific Northwest and may be classified as medium texture soils in some regions of the U.S.

Weeds Controlled in Barley:

Broadleaves:	
Chickweed, Common (<i>Stellaria media</i>)	*Mustard, Blue or Purple (<i>Chorispora tenella</i>)
Fiddleneck, Tarweed (<i>Amsinckia lycopsodes</i>)	*Mustard, Jim Hill (<i>Sisymbrium altissimum</i>)
Henbit (<i>Lamium amplexicaule</i>)	*Mustard, Wild (<i>Brassica kaber</i>)
*Kochia (<i>Kochia scoparia</i>)	Pigweeds (<i>Amaranthus spp</i>)
Lambsquarters (<i>Chenopodium album</i>)	
Grasses:	
*Cheatgrass (<i>Bromus secalinus</i>)	*Foxtails (<i>Setaria spp</i>)
*Downy Brome (<i>Bromus tectorum</i>)	*Ryegrass, Annual (<i>Lolium multiflorum</i>)

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

60

Hard to Control Weed: Wild oats (*Avena fatua*)

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

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

WINTER WHEAT

FOR USE ON WINTER WHEAT IN IDAHO, OREGON, UTAH AND WASHINGTON ON THE VARIETIES DAVIS, 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 is recommended for control of certain grass and broadleaf weeds in Winter wheat

RECOMMENDED BROADCAST APPLICATIONS¹

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

¹ Do not use on grain crops in which the registered substance is a major component.

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

³ Silty clay loams are the most common soil type in the Pacific Northwest and may be classified as medium texture soils in some regions of the U.S.

BEST AVAILABLE COPY

P. 37/48

Weeds Controlled in Wheat:

Broadleaves:

Annual Polemonium
(Jacob's Ladder)
(*Polemonium
micranthum*)
Chickweed, Common
(*Stellaria media*)
Conical Catchfly
(*Silene conica*)
Corncockle
(*Agrostemma githago*)
Fiddleneck, Tarweed
(*Amsinckia lycopsoides*)
Gromwell
(*Lithospermum officinale*)
Henbit
(*Lamium amplexicaule*)
Ivyleaf Speedwell
(*Veronica hederifolia*)
Knotweed, Prostrate
(*Polygonum aviculare*)
*Kochia
(*Kochia scoparia*)
Lambsquarters
(*Chenopodium album*)
Madwort (catchweed)
(*Asperugo procumbens*)

Mayweed (dog fennel)
(*Eupatorium capillifolium*)
Miners Lettuce
(*Claytonia perfoliata*)
*Mustard, blue or purple
(*Chorispora tenella*)
*Mustard, Jim Hill (tumble)
(*Sisymbrium altissimum*)
*Mustard, Wild
(*Brassica kaber*)
Penny-cress Field
(*Thlaspi arvense*)
Pineappleweed
(*Matricaria
matricarioides*)
Picky Lettuce
(*Lactuca serotola*)
Pigweeds
(*Amaranthus spp.*)
Redstem filaree
(*Erodium cicutarium*)
*Russian Thistle
(*Salsola kali*)
Shepherdspurse
(*Capsella bursa pastoris*)

Grasses:

*Blackgrass
(Black twitchgrass)
(*Alopecurus
myosuroides*)
*Bluegrass, bulbous
(*Poa bulbosa*)
*Cheatgrass
(*Bromus secalinus*)
*Downy Brome
(*Bromus tectorum*)

*Foxtails
(*Setaria spp.*)
*Rescuegrass
(*Bromus catharticus*)
*Ryegrass, Italian
(*Lolium multiflorum*)
*Wild Barley
(*Hordeum leporinum*)
*Windgrass
(*Apera spica-venti*)

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

62

Hard-To-Control Weeds:

Broadleaves
Cowcockle
(*Vaccaria pyramidalis*)
Mustard, Tansy
(*Descurainia pinnata*)
Wild Buckwheat
(*Polygonum convolvulus*)

Grasses
Rabbit Brome
(*Bromus diandrus*)
Wild Oats
(*Avena fatua*)

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

SENCOR in Combination With Other Herbicides: SENCOR may be applied as a tank mix with Glean*, 2,4-D, MCPA, Igran*, Banvel*, Bronate*, Brominal*, ME4 Brominal, 3+3 Brominal, Brominal Plus or Butrin*. 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. WLEY

Follow timing directions for dryland wheat/barley found at the beginning of this cereals section. After application of SENCOR 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 at 1/2 to 1 1/2 pound per acre and Igran 80WP at 1/2 to 3/4 pound per acre according to label directions. The rate of each product depends on soil type. Do not use Igran on sand or loamy sand soils. Use lower rate of Igran on sandy loam soils.

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

RECOMMENDED BROADCAST APPLICATIONS

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

BEST AVAILABLE COPY

days following application may

DRYLAND (NON-IRRIGATED) WINTER WHEAT

FOR USE ONLY ON DRYLANDS, OKLAHOMA AND TEXAS, TAM-105, AND NEW Texas on Hawk variety)

Weeds Controlled in Wheat:

Broadleaves:

Annual Polemonium
(Jacob's Ladder)

(Polemonium
micranthum)

Chickweed, Common

(Stellaria media)

Fiddleneck, Tarweed

(Amsinckia hycopsoides)

Henbit

(Lamium amplexicaule)

*Kochia

(Kochia scoparia)

Grasses:

*Cheatgrass

(Bromus setchuanus)

*Downy Brome

(Bromus tectorum)

*For control of these weeds, see the highest concentration rate.

Hard to Control Weeds: Italian wildoats (Avena fatua) and *Ailanthus

Note: Control of these weeds may be excellent depending on timing, rate of application, temperature following treatment.

RECOMMENDED BROADCAST

SOIL TEXTURE	SENCOR Pounds Per Ac Organic N	
	1 to 2	Over 2
COARSE		
MEDIUM		
FINE		

SENCOR in Combination with 2,4-D, Banvel, Bonate, Brominate, product labels registered for additional weed species controlled.

DRYLAND (NON-IRRIGATED) WINTER WHEAT ONLY

(Arkansas, Louisiana, Mississippi)

Weeds Controlled:

Broadleaves:

Buttercress

(Cardamine spp.)

*Buttercup

(Ranunculus spp.)

Carolina Geranium

(Geranium carolinianum)

Chickweed, Common

(Stellaria media)

Chickweed, Mouseear

(Cerastium vulgatum)

Cutleaf Evening Primrose

(Oenothera lamarckiana)

Henbit

(Lamium amplexicaule)

*Kochia

(Kochia scoparia)

BEST AVAILABLE COPY

Grasses:

Bluegrass, Annual
(*Poa annua*)
*Cheatgrass
(*Bromus secalinus*)
*Downy Brome
(*Bromus tectorum*)
Little Barley
(*Hordeum pusillum*)
*Rescuegrass
(*Bromus catharticus*)
*Ryegrass, Italian
(*Lolium multiflorum*)
Vernal Withgrass
(*Drababerna spp.*)

*For control of these weeds on the soil, use SENCOR at 1 1/2 pounds/acre

Note: Control of wild duckweed (*Polygum 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 916, Coker 68-15, Doublecrop, Hunter McNair 1003, McNair 1813, Nelson Pike, Southern Belle, & Tyler

RECOMMENDED BROADCAST APPLICATIONS

SOIL TEXTURE	SENCOR DF* Pounds/Acre	REMARKS
COARSE (Sandy loam, loamy sand)	1 1/2	Apply specified dosage per acre as a broadcast postemergence spray for wheat plants that are coming out of winter dormancy. Allow at least two weeks for plants to recover before application. Wheat has been known to die during the winter at least two weeks for recovery before application. Refer to the beginning of this section for information on timing and growth stages for application.
MEDIUM (loam, silt loam, silt sandy clay, sandy clay loam)	1 1/2	
FINE (silt clay, silty clay, heavy clay, clay loam)	1 1/2 to 2	

* 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.

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

‡ Use 2 1/2 pounds/acre for control of weeds known to be controlled with an asterisk under Weeds Controlled.

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

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

66

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

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

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

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

Where weed growth is present at application time, SENCOR should be applied with Ortho Paraquat 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: Since control of these weeds may be variable depending on moisture following application, the higher labeled rate is recommended.

BEST AVAILABLE COPY

67

After Harvest Application (Fall Fallow): SENCOR may be applied to wheat stubble after harvest in the Fall. Apply $\frac{1}{2}$ to $\frac{3}{4}$ pound per acre broadcast before weeds emerge. Use higher rate for longer weed control or for weeds designated as requiring the higher rate for control. Rainfall ($\frac{1}{2}$ inch or more) is necessary for herbicide activation.

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

SENCOR may be applied at $\frac{1}{2}$ to $\frac{3}{4}$ pound per acre as directed above for a fall application and tank mixed with 2 $\frac{1}{2}$ to 5 $\frac{1}{2}$ quarts Chem-Hoe[®] 135 FL3 per acre. Apply 4 to 5 $\frac{1}{2}$ quarts Chem-Hoe 135 per acre if volunteer grain or grass weeds have 4 or more leaves. If other vegetation is present at the time of application use a contact herbicide. Refer to the Chem-Hoe 135 FL3 label for additional directions, rates, weed species controlled and precautions.

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

SENCOR may be applied at $\frac{1}{2}$ to $\frac{3}{4}$ pound after January 1 and before March 1 as a tank mix with 2 $\frac{1}{2}$ to 5 $\frac{1}{2}$ quarts Chem-Hoe 135 FL3 per acre. Apply 4 to 5 $\frac{1}{2}$ quarts Chem-Hoe 135 per acre if volunteer grain or grass weeds have 4 or more leaves. A contact herbicide is recommended if other vegetation is present at the time of application. Refer to the Chem-Hoe 135 FL3 label for additional directions, rates, weed species controlled and precautions.

PRECAUTIONS AND RESTRICTIONS:

Do not graze treated fields.

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

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

FOR WEED CONTROL IN A FALLOW ROTATION WITH BARLEY AND WHEAT

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

SENCOR 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 the label for General Information, Restrictions, and Precautions.

68

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

Where weed growth is present at application time, SENCOR should be applied with a fan spray nozzle. Do not apply SENCOR to crops or other vegetation. Do not apply SENCOR to crops or other vegetation. Do not apply SENCOR to crops or other vegetation. Do not apply SENCOR to crops or other vegetation.

Weeds Controlled:

Broadleaves:

Chickweed, Common
(*Stellaria media*)
Concockle
(*Vaccaria pyramidalis*)
Henbit
(*Lamium amplexicaule*)
Kochia
(*Kochia scoparia*)
Lambsquarters
(*Chenopodium album*)
Mustard, Blue or Purple
(*Chorispora tenella*)
Mustard, Jim Hill
(*Sisymbrium albus*)

Mustard, Tansy
(*Descurainia pinnatifida*)
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*)
Foxtail, Green
(*Setaria viridis*)

Wheat Volunteer
(*Triticum* spp.)
Wild Oats
(*Avena fatua*)

*Note: Since control of these weeds may vary depending on soil conditions, use the higher rate recommended for each.

After Harvest Application (Fall Fallow): SENCOR may be applied to the stubble after harvest in the Fall. Apply $\frac{1}{2}$ to $\frac{3}{4}$ 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 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 for 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.

69

PRECAUTIONS AND RESTRICTIONS: Do not graze treated fields.
Do not plant Spring seeded cereals following Fall applications for fallow.
Where SENCC was applied in the Fall, do not apply SENCOR in the Spring.

CROP ROTATION RECOMMENDATIONS

Waiting Period After SENCOR herbicide Application¹

4 Months	6 Months	12 Months	18 Months
Alfalfa Barley Clover Corn Forage Grasses Rye Soybeans Sorghum Sunflower Wheat	Barley Clover Lentils Peas Rye Vetch	Other Cereals Soybeans Sorghum Other crops	Sugar Beets Onions Any other root crops

¹Over crops for safe burning or use as mulch may be planted anytime, but do not graze or feed until feed of feed. Stand should not be grazed in some areas. The waiting period is for safety.

70

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

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

Do not contaminate feed or food. Keep out of reach of children. Obtain prompt medical aid if poisoning should occur. To Physician: Treat the patient symptomatically.

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

STATEMENTS OF PRACTICAL TREATMENT.

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

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

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

ENVIRONMENTAL HAZARDS.

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

Do not allow sprays to drift on to adjacent desirable plants. Observe all cautions and limitations on labeling of all products used in mixtures.

GROUND WATER ADVISORY. Metribuzin is a chemical which can travel (seep or leach) through soil and can contaminate ground water which may be used as drinking water. Metribuzin has been found in ground water as a result of agricultural use. Users are advised not to apply metribuzin where the water table (ground water) is close to the surface, and where the soils are very permeable, i.e., well drained.

soils such as loamy sands. Your local agricultural agencies can provide further information on the type of soil in your area and the location of ground water.

RE-ENTRY STATEMENTS.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written 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 the label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings cannot 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 OF 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 or 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: If not reusable (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 b, 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.

the University of California, Berkeley, California, U.S.A.

72

with the hand on the smaller. Do not walk through soft
material. Dispose of waste as directed above. In spe-
cialty items, especially the reds, be ready. You must
follow the Moba Emergency Response team for decontami-
nation procedures or any other assistance that may be
necessary. The Moba, Kansas City Emergency Response
Team phone is: 816-242-2582 or contact Chemtrec at 800-
424-9300.

1. $\text{H}_2\text{SO}_4 + \text{H}_2\text{O} \rightarrow \text{H}_3\text{O}^+ + \text{HSO}_4^-$ $\text{H}_2\text{SO}_4 + \text{H}_2\text{O} \rightarrow \text{H}_3\text{O}^+ + \text{HSO}_4^-$

[illegible]

BEST AVAILABLE COPY

ACCEPTED

APR 27 1987

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 325-325

YLD5

P. 38/48
Base Pre-Reg (6146)

U.S. LABEL

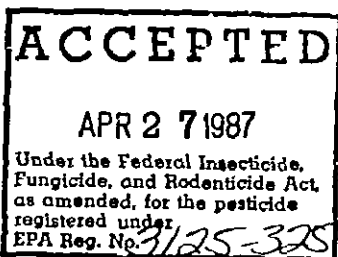
Reason to Issue: Revise pH restriction
for alfalfa in areas West of the Rockies.

Date of Draft: 4/7/87 (Pre-Reg) (H)

EPA Reg. No. 3125-325

® SENCOR DF

75% Dry Flowable Herbicide



ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 25%
100%

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

REVISE AS FOLLOWS:

(ALFALFA)

CURRENT: "In areas West of the Rocky Mountains, avoid using SENCOR on soils with calcareous surface area, high levels of lime or sodium, or a pH greater than 7.5.

PROPOSED: "In areas West of the Rocky Mountains, avoid using SENCOR on soils with calcareous surface area, high levels of lime or sodium, or a pH greater than 8.2.

BEST AVAILABLE COPY

YLD5

P- 39/48
Base Pre-Reg (6137)

U.S. LABEL

Date of Draft: 4/6/87 (Pre-Reg) (H)

- Reason to Issue: To add claims for sequential application of Scepter following preemergence/postplant application of SENCOR and registered tank mixes to soybeans.

EPA Reg. No. 3125-325

® SENCOR DF

75% Dry Flowable Herbicide

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 25%
100%

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

Add The Following:

(SOYBEANS)

SEQUENTIAL APPLICATION OF SCEPTER FOLLOWING SENCOR:

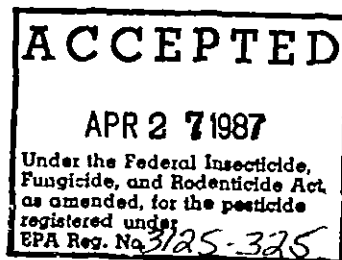
If needed, application of SENCOR alone or in a registered tank mix according to directions on the label, may be followed by an early postemergence application of Scepter 1.5 AS for control of cocklebur. Apply 1/3 pint of Scepter in a minimum of 20 gallons of water per acre when cocklebur are less than 6 inches tall and are actively growing. Do not use Scepter when soybeans or cocklebur have been subjected to stress conditions such as temperature or moisture extremes. Do not exceed a total of 2/3 pint of Scepter 1.5 AS per acre in one season. Wait at least 10 days after application of Scepter before cultivating.

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

Use Scepter 1.5 AS only in the states where it is registered as listed on the product label.

Apply Scepter 1.5 AS at least 90 days before harvest of soybeans. Do not graze or feed soybean forage, hay, or straw to livestock.

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

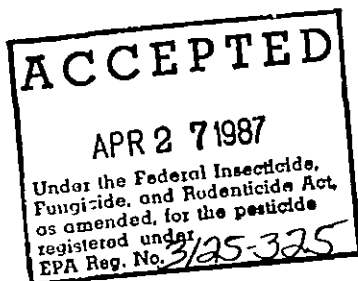


p. 40/48

U.S. LABELDate of Draft: 4/3/87 (Pre-Reg) (H)

Reason to Issue: Revise rates for postemergence application on coarse, low organic matter soils planted to potatoes in Oregon and Washington.

EPA Reg. No. 3125-325



® SENCOR DF

75% Dry Flowable Herbicide

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 25%
100%

AMENDMENT TO PREVIOUSLY REGISTERED LABELINGREVISE TO READ AS FOLLOWS:

(POTATOES)

RECOMMENDED BROADCAST APPLICATIONS

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

P. 4/48

YLD23

Base Pre-Reg (6042)

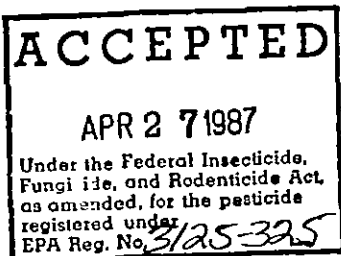
U. S. LABEL

Reason to Issue: To add tank mix
with Command on Soybeans.

Date of Draft. 11/21/86 Pre-Reg (H)

EPA Reg. No. 3125-325

[®]SENCOR DF
75% Dry Flowable Herbicide



ACTIVE INGREDIENT:

4-Amino-6-(1,1-dimethylethyl)-3-
(methylthio)-1,2,4-triazin-
5(4H)-one

75%

INERT INGREDIENTS: 25%
100%

AMENDMENT TO
Previously Registered Labeling

Soybeans (Except California)

Revise as Follows:

SENCOR plus Command[®] Tank Mix Application

SENCOR may be applied in combination with Command 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 the SENCOR DF label.

Mixing

Refer to "Mixing" under the "General Information" section in the front of the SENCOR DF label.

Application

BEST AVAILABLE COPY

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

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

A minimum of 15 gallons per acre spray volume 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 "Application" under the "General Information" section in the front of the SENCOR DF label and the Command label.

7. 4/48

SENCOR DF plus Command

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

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

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

^{1/} Crop injury may occur on soils having a calcareous surface area or a pH of 7.1 or higher.

^{2/} Do not use on coarse soils with less than 1% organic matter.

^{3/} Silty clay loam soils are transitional soils and may be 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 feed 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.

P. 42/48

325-6176.YLD

Base Pre-Reg (6176)

U.S. LABEL

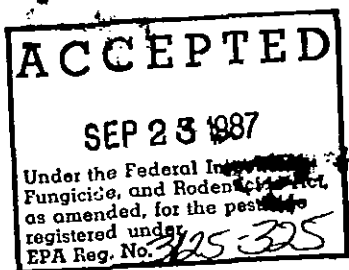
Reason to Issue: To add claims for tank mix combination with Gramoxone for use on Alfalfa; 6/8/87 Draft: Registration Section revisions.

Date of Draft: 6/8/87 (Pre-Reg) (H)
Supersedes Pre-Reg Draft Dated: 4/7/87

EPA Reg. No. 3125-325

SENCOR® DF

75% Dry Flowable Herbicide



ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 25%
100%

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

Add The Following:

ALFALFA

(Colorado, Idaho, Montana, 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 aerial spray equipment and a minimum of 20 gallons of water per acre with ground spray equipment. Add Ortho X-77® Spreader (non-ionic) at 1 to 2 pints per 100 gallons of spray solution.

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

Bluegrass
Henbit
Cheat
Rescuegrass

Chickweed
Downy brome
Japanese brome
Shepherdspurse

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

P. 14.
18

SENCOR DF

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

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

RECOMMENDED APPLICATIONS

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

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Rates of 2/3 to 1 pound of SENCOR 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.

Do not graze or harvest within 42 days after application.

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

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

Do not use on sand soil.

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

YLD5

Base Pre-Reg (6143)

7.45/48

U.S. LABEL

Reason to Issue: Revise rates for postemergence application on coarse, low organic matter soils planted to potatoes in Oregon and Washington.

Date of Draft: 4/3/87 (Pre-Reg) (H)

EPA Reg. No. 3125-325

® SENCOR DF

ACCEPTED

SEP 23 1987

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 3125-325

75% Dry Flowable Herbicide

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 25%
100%

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

REVISE TO READ AS FOLLOWS:

(POTATOES)

RECOMMENDED BROADCAST APPLICATIONS

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

SENPR

Base Pre-Reg (6135)

U.S. LABEL

Reason to Issue: To clarify that post-emergence applications are permitted on russetted varieties of potatoes that are not early maturing.

Date of Draft: 4/3/87 (Pre-Reg) (H)

EPA Reg. No. 3125-325

® SENCOR DF

75% Dry Flowable Herbicide

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 25%
100%

ACCEPTED

SEP 23 1987

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 3125-325

AMENDMENT TO

Previously Registered Labeling

REVISE TO READ AS FOLLOWS:

POTATOES

SENCOR herbicide is recommended for use in ground or aircraft spray equipment as a preemergence and/or postemergence application to potatoes. Postemergence applications may be made only on russetted or white-skinned potato varieties that are not early maturing.

EXCEPT FOR THAT WHICH IS UNDERLINED, THE LABEL TEXT ABOVE IS CURRENTLY REGISTERED BY EPA.

P 42/48

325-6178.YLD

Base Pre-Reg (6178)

U.S. LABEL

Date of Draft: 6/9/87 (Pre-Reg) (H)

Reason to Issue: To show additional wheat cultivars that may be treated with SENCOR in Kansas, Oklahoma and Texas.

EPA Reg. No. 3125-325

SENCOR[®] DF
75% Dry Flowable Herbicide

ACTIVE INGREDIENT:

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

INERT INGREDIENTS: 25%
100%

AMENDMENT TO PREVIOUSLY REGISTERED LABELING

REVISE TO READ AS FOLLOWS:

DRYLAND (NON-IRRIGATED) WINTER WHEAT

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

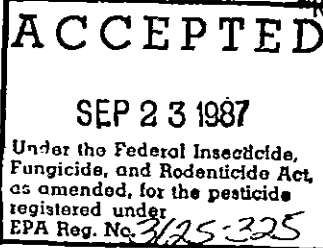
Weeds Controlled in Wheat:

Broadleaves

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

Grasses

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



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

P. 46/48

SENCOR DF

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

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

RECOMMENDED BROADCAST APPLICATIONS

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

^{1/} Do not use on any soils containing less than 1% organic matter.

^{2/} Silty clay loam soils are transitional soils and may be classified as medium textured soils in some regions of the U.S.

SENCOR DF in Combination with Other Herbicides

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