

314-6611.YLD

Base Pre-Reg (6611)

U.S. LABEL

Date of Draft: 2/3/89 (Pre-Reg) (H)

Reason to Issue: To add claims for early application at low rates, in a tank mix, for broadleaf control in winter wheat.

EPA Reg. No. 3125-314

SENCOR® 4

Flowable Herbicide

ACTIVE INGREDIENT:

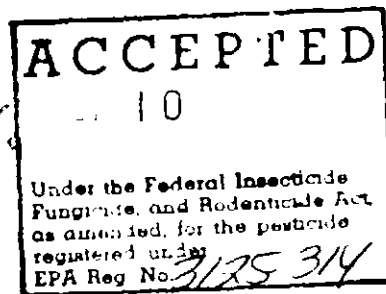
4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one ..... 41%

INERT INGREDIENTS: ..... 59%  
100%

AMENDMENT TO CURRENTLY REGISTERED LABELING

Add the Following:

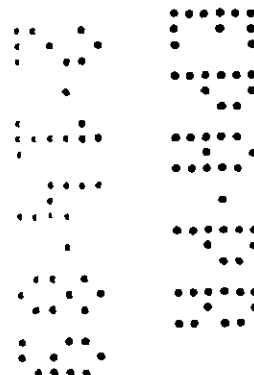
WINTER WHEAT



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

SENCOR 4 flowable herbicide, in a tank mix combination with one of the herbicide products specified below, may be applied to wheat after the crop has reached the 2-leaf stage for control of the following broadleaf weeds:

Common chickweed	( <u>Stellaria media</u> )
Henbit	( <u>Lamium amplexicaule</u> )
Prickly lettuce	( <u>Lactuca serriola</u> )
Blue mustard	( <u>Chorispora tenella</u> )
Field pennycress	( <u>Thlaspi arvense</u> )
Tarweed fiddleneck	( <u>Amsinckia lycopoides</u> )



# SENCOR 4

## RECOMMENDED APPLICATIONS

CROP	SENCOR 4 Fluid Ounces Per Acre	REMARKS
Winter Wheat	3 to 4 1/2	Use only in a tank mix combination for broadleaf weed control.* The specified dosage per acre may be added to other herbicides registered for use on wheat after the crop has reached the 2-leaf stage, but not during winter dormancy. See the appropriate sections of this label and the label for other herbicide products that are tank mixed with SENCOR 4 flowable herbicide for directions, application rates, mixing procedures, special precautions and restrictions before using.

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

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

314-6603.YLD

Base Pre-Reg. (6603)

U.S. LABEL

Reason to Issue: Revise claims for  
control/suppression of cocklebur  
and sicklepod infesting soybeans.

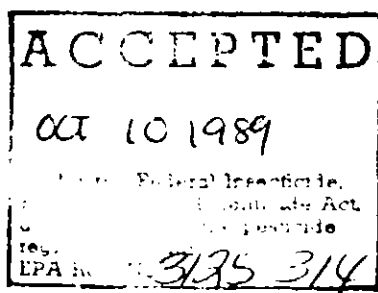
Date of Draft: 1/6/89 (Pre-Reg) (H)

EPA Reg. No. 3125-314

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SENCOR<sup>®</sup> 4

Flowable Herbicide



ACTIVE INGREDIENT:

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

41%

AMENDMENT TO CURRENTLY REGISTERED LABELING

REVISE TO READ AS FOLLOWS:

(SOYBEANS)

# SENCOR 4 Flowable herbicide

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

C = Control

• = No Information

S = Suppression or Erratic Control

(Control may range from poor to excellent)

P = Poor or No Control

1 = SENCOR Alone

2 = SENCOR Split-Shot

3 = SENCOR plus Treflan

4 = SENCOR plus Dual

5 = SENCOR plus Prowl

6 = SENCOR plus Lasso

7 = SENCOR plus Surflan

8 = SENCOR plus Amiben

9 = SENCOR plus Gramoxone

10 = SENCOR plus Lasso & Gramoxone

11 = SENCOR + Surflan & Gramoxone

12 = Extended Split-Shot

13 = SENCOR plus Sonalan

14 = SENCOR plus linuron  
plus (Lasso or Dual)

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

# SENCOR 4 Flowable herbicide

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

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

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

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

SENCOR 4 Flowable herbicide

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

C = Control

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(Control may range from poor to excellent)

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9 = SENCOR plus Gramoxone

10 = SENCOR plus Lasso & Gramoxone

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12 = Extended Split-Shot

13 = SENCOR plus Sonalan

14 = SENCOR plus linuron  
plus (Lasso or Dual)

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

# SENCOR 4 Flowable herbicide

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

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

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

# SENCOR 4 Flowable herbicide

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

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10 = SENCOR plus Lasso & Gramoxone

11 = SENCOR + Surflan & Gramoxone

12 = Extended Split-Shot

13 = SENCOR plus Sonalan

14 = SENCOR plus linuron  
plus (Lasso or Dual)

ANNUAL GRASSES	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Barnyardgrass ( <i>Echinochloa crus-galli</i> )	S	C	C	C	C	C	C	C	C	C	C	C	C	C
Bluegrass ( <i>Poa annua</i> )	C	C	C	C	C	C	●	C	C	C	C	C	C	C
Broadleaf Signalgrass ( <i>Brachiaria platyphylla</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	●
Browntop Millet ( <i>Panicum ramosum</i> )	C	C	C	P	C	S	C	P	C	P	C	C	●	●
Crabgrass ( <i>Digitaria</i> spp.)	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Crowfootgrass ( <i>Dactyloctenium aegyptium</i> )	C	C	C	C	C	C	C	C	C	C	C	C	●	●
Cupgrass ( <i>Eriochloa gracilis</i> )	P	C	P	P	P	P	P	P	P	P	P	C	●	●
Foxtails ( <i>Setaria</i> spp.)	S	C	C	C	C	C	C	C	C	C	C	C	C	C
Groosegrass ( <i>Eleusine indica</i> )	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Johnsongrass, Seedling ( <i>Sorghum halepense</i> )	C	C	C	C	C	C	C	P	C	C	C	C	C	●



# SENCOR 4 Flowable herbicide

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

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

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

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

314-6738.YLD

Base Pre-Reg. (6738)

U.S. LABEL

Reason to Issue: Revise post dormant use  
on alfalfa to include New Mexico,  
Oklahoma, Tennessee and Texas.

Date of Draft: 6/19/89 (Pre-Reg)(H)

EPA Reg. No. 3125-314

SENCOR® 4  
Flowable Herbicide

ACTIVE INGREDIENT:

4-Amino-6-(1,1-dimethylethyl)-3-  
(methylthio)-1,2,4-triazin-5(4H)-one .... 41%

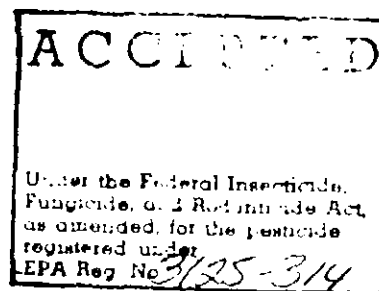
INERT INGREDIENTS: ..... 59%  
100%

AMENDMENT TO CURRENTLY REGISTERED LABELING

Revise to read as follows:

(Alfalfa)

Post Dormant Application of SENCOR Impregnated on Dry Fertilizer Only



SENCOR 4 may be applied after dormancy has broken, but prior to three inches of new alfalfa shoot growth, only when impregnated on dry fertilizer in Connecticut, Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Nebraska, New Mexico, New York, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas and Wisconsin. Apply at rates of 1 1/2 to 2 pints per acre as directed on this label for application during dormancy. Apply only when alfalfa foliage is dry or crop injury may occur. When using this application method, do not harvest or graze treated alfalfa for 60 days after application.

3125-314

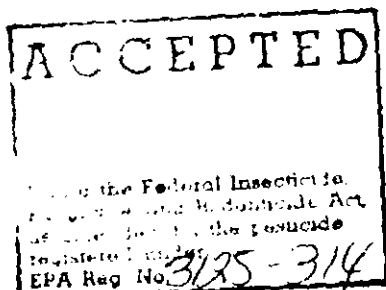
U.S. LABEL

Date of Draft: 4/4/89 (Pre-Reg)(H)

Reason to Issue: To add claims for tank mix with Canopy® 75 DF and a registered grass herbicide for use on soybeans.

EPA Reg. No. 3125-314

SENCOR® 4  
Flowable Herbicide



## ACTIVE INGREDIENT:

4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4)-one ..... 41%

INERT INGREDIENTS: ..... 59%  
100%

## AMENDMENT TO CURRENTLY REGISTERED LABELING

ADD THE FOLLOWING FOR SOYBEANS:

SENCOR 4 plus Canopy® 75 DF plus a Grass Herbicide: Tank Mix Application

A tank mix combination of SENCOR 4 plus Canopy 75 DF plus a registered and recommended grass herbicide (Dual, Lasso, Prowl, Sonalan or Treflan) is recommended for control of the following weeds in soybeans:

## Weeds Controlled

Annual Grasses

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

Annual Broadleaves

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

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

## SENCOR 4 Flowable Herbicide

### SENCOR 4 plus Canopy 75 DF plus a Grass Herbicide (Broadcast Rates)

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

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

Soil <sup>1/</sup> Texture	A	B	C	D	E	SENCOR 4 (pts/acre)	Canopy DF (oz/Acre)
Coarse <sup>2/</sup>	1	1½-1¾	1½	2-2½	1½-2	1/2	3
Medium	1½	1½-2	1½-2	2½-3	1½-2½	1/2 to 3/4 <sup>3/</sup>	3
Fine	2	2-2½	1½-2½	2½-3	2½-3	3/4 to 1 <sup>3/</sup>	3 to 4

<sup>1/</sup> Do not use on soils with a pH greater than 7.0.

<sup>2/</sup> Refer to "Soil Texture" paragraph on the SENCOR 4 label for specific soil classification.

<sup>3/</sup> Use the lower rate of SENCOR 4 in preplant incorporated tank-mix in those situations where soils within a field vary extremely in texture or organic matter content.

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

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

#### Special Precautions:

For additional precautions, restrictions, limitations and sprayer clean-up information, refer to the appropriate sections of the labels for SENCOR 4 and Canopy 75 DF.

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

Do not use treated vines or feed or forage.

**BEST AVAILABLE COPY**

## U.S. LABEL

Reason to Issue: To add claims for use  
of tank mix with Gramoxone on alfalfa  
in specified counties in California.

Date of Draft: 2/2/89 (Pre-Reg) (H)

EPA Reg. No. 3125-3i4

## SENCOR® 4

## Flowable Herbicide

## ACTIVE INGREDIENT:

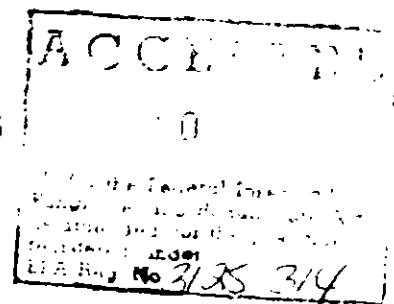
4-Amino-6-(1,1-dimethylethyl)-3-  
(methylthio)-1,2,4-triazin-5(4H)-one ..... 41%

INERT INGREDIENTS: ..... 59%  
100%

## AMENDMENT TO CURRENTLY REGISTERED LABELING

Revise to Read as Follows:

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



**APPLICATION:** SENCOR 4 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 4 (3/4 to 1-1/2 pints/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

1/2 to 3/4 pint of SENCOR 4 per acre may be used for common chickweed only on sandy soils.

## SENCOR 4

Use SENCOR 4 at 1 to 1-1/2 pints/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 (Pints/Acre)	REMARKS
<p style="text-align: center;">SENCOR 4 1/2 to 1-1/2 pints</p> <p style="text-align: center;">plus</p> <p style="text-align: center;">Gramoxone Super 2 to 2-2/3 pints</p>	<p>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.</p>

FOR USE ON MIXED STANDS OF ALFALFA AND GRASSES: Rates of 1 to 1-1/2 pints of SENCOR 4 per acre will provide partial reduction of forage grass stands. These rates may be used to reduce forage grass stands to prevent crowding out of alfalfa.

Do not graze or harvest within 42 days after application.

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

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

Do not use on sand soil.

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

314-6627.YLD

Base Pre-Reg (6627)

U.S. LABEL

Reason to Issue: To add use on  
lentils in North Dakota.

Date of Draft: 2/1/89 (Pre-Reg) (H)

EPA Reg. No. 3125-314

SENCOR<sup>®</sup> 4

Flowable Herbicide

ACTIVE INGREDIENT:

4-Amino-6-(1,1-dimethylethyl)-3-  
(methylthio)-1,2,4-triazin-5(4H)-one ..... 41%

INERT INGREDIENTS: ..... 59%  
100%

AMENDMENT TO CURRENTLY REGISTERED LABELING

Add the Following:

LENTILS  
(North Dakota Only)

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

WEEDS SUPPRESSED\*

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

Lambsquarters  
Shepherdspurse\*\*  
Wild Mustard

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

\*\*Preemergence application only.

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PREEMERGENCE APPLICATION:

A single preemergence application at 1/2 to 3/4 pts. of SENCOR 4 per acre in 20 to 40 gallons of water per acre with ground spray equipment may be made per crop year. Apply SENCOR 4 before or after planting, BUT BEFORE CROP GERMINATES. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate SENCOR 4 into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows, before weed emergence, a broadcast application should provide adequate weed suppression.

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

## SENCOR 4

### POSTEMERGENCE APPLICATION:

Apply 1/4 to 3/8 pt. of SENCOR 4 in 20 to 40 gallons of water per acre and not over 40 psi with ground spray equipment as a broadcast spray when weeds are small (less than 2 inches in height or diameter) and before crop is 6 inches tall.

One postemergence application may be made per season.

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

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

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

### SPECIAL PRECAUTIONS (all applications):

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

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

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

Do not apply to "Estin" lentils.

Do not use on clay knobs or poorly covered subsoils.

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

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

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

NOTE: This treatment may cause some chlorosis or minor necrosis. Because lentil varieties may vary in their susceptibility to SENCOR 4, determining crop tolerance prior to adoption as a field scale practice is suggested to prevent possible injury.

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

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314-6714.YLD

Base Pre-Reg. (6714)

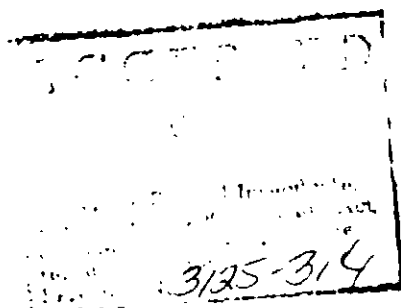
U.S. LABEL

Reason to Issue: To add claims for  
use on garbanzo beans (Idaho, Oregon  
and Washington).

Date of Draft: 6/9/89 (Pre-Reg)(H)

EPA Reg. No. 3125-314

SENCOR® 4  
Flowable Herbicide



ACTIVE INGREDIENT:

4-Amino-6-(1,1-dimethylethyl)-3-  
(methylthio)-1,2,4-triazin-5(4)-one ..... 41%

INERT INGREDIENTS: ..... 59%  
100%

AMENDMENT TO CURRENTLY REGISTERED LABELING

ADD THE FOLLOWING:

Garbanzo Beans (Chickpeas)  
Idaho, Oregon and Washington Only

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

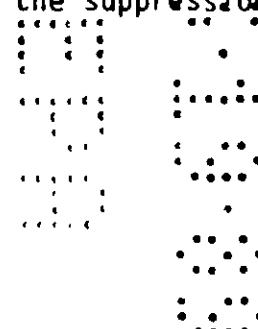
The following directions for use were developed under the direction of IR-4 (government minor crops use program). As such the testing was done independently from the testing program of Mobay Corporation. Buyer is advised that Mobay makes no assurances regarding satisfaction with the product and that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

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

WEEDS SUPPRESSED:\*

Common Chickweed  
Dog Fennel (Mayweed)  
Field Pennycress  
Henbit

Common Lambsquarters  
Shepherdspurse  
Wild Mustard  
Pigweed



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

# SENCOR 4 Flowable Herbicide

CROP	SENCOR 4 PINTS PER ACRE	REMARKS
Garbanzo beans	1/2 to 3/4	<p>Apply specified dosage in a single preemergence application using 10 to 40 gallons of water per acre with ground spray equipment. Apply before or after planting but before crop emergence. Thorough incorporation, either by rainfall or by mechanical means, is essential for weed suppression. Under dry conditions, incorporate SENCOR into the top 1 to 2 inches of soil with spike harrows, or similar shallow incorporation equipment, then cross harrow to insure uniform soil incorporation. Where soil surface is moist at the time of application and rain follows before weed emergence, a broadcast application should provide adequate weed suppression.</p> <p>Use the higher rate on fine textured soils (high in clay or organic matter) and in fields with a history of high weed populations.</p>

## SPECIAL PRECAUTIONS:

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

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

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

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

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

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

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

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## U.S. LABEL

Reason to Issue: To add tank mix  
with Harmony herbicide on wheat.

Date of Draft: 4/3/89 (Pre-Reg) (H)

EPA Reg. No. 3125-314

ACCEPTED

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Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, and the pesticide  
registration procedures  
EPA Reg. No. 3125-314

SENCOR® 4  
Flowable Herbicide

## ACTIVE INGREDIENT:

4-Amino-6-(1,1-dimethylethyl)-3-  
(methylthio)-1,2,4-triazin-5(4H)-one ..... 41%

INERT INGREDIENTS: ..... 59%  
100%

## AMENDMENT TO PREVIOUSLY REGISTERED LABELING

## REVISE TO READ AS FOLLOWS:

## WINTER WHEAT

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

A single postemergence application of SENCOR 4 is recommended for control of certain grass and broadleaf weeds in Winter wheat.

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

SOIL TEXTURE	SENCOR 4 PINTS PER ACRE		
	0.75% to 1% Organic Matter <sup>2/</sup>	1% to 2% Organic Matter	More than 2% Organic Matter
<u>Coarse</u> loamy sand, sandy loam	0.5 to 0.6	0.5 to 0.6	0.5 to 0.6
<u>Medium</u> loam, silt loam, silt, sandy clay, sandy clay loam	0.5 to 0.6	0.6 to 0.75	0.6 to 0.9
<u>Fine</u> silty clay, silty clay loam <sup>3/</sup> , clay, clay loam	0.5 to 0.75	0.75 to 1.0	0.75 to 1.0

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

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

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

Weeds Controlled in Wheat:

Broadleaves

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

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## SENCOR 4 Flowable herbicide

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

### Hard-To-Control Weeds:

#### Broadleaves

Cowcockle

(Vaccaria pyramidata)

Mustard, Tansy

(Descurainia pinnata)

Wild Buckwheat

(Polygonum convolvulus)

#### Grasses

Ripgut Brome

(Bromus diandrus)

Wild Oats

(Avena fatua)

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

### SENCOR In Combination With Other Herbicides

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

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