

314-6595.YLD

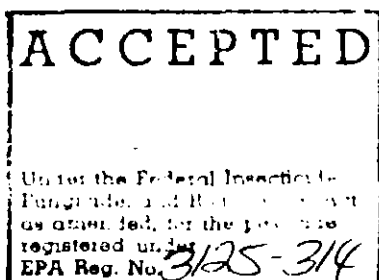
Base Pre-Reg. (6595)

U.S. LABEL

REASON TO ISSUE: Add claims for use
in tank-mix combination with Freedom
herbicide on soybeans.

Date of Draft: 1/3/89 (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%

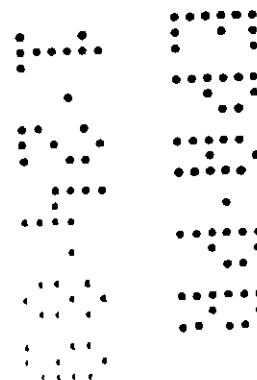
INERT INGREDIENTS: 59%
100%

AMENDMENT TO CURRENTLY REGISTERED LABELING

ADD THE FOLLOWING UNDER SOYBEANS:

SENCOR 4 plus Freedom® 3 EC - Tank-mix

SENCOR 4 may be tank mixed with Freedom 3 EC for preplant incorporated application to control weeds in soybeans. Refer to the "General Information" section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by SENCOR 4. See appropriate sections of the Freedom 3 EC herbicide label for additional precautionary statements, directions for use, recommendations and additional weeds controlled.



SENCOR 4

RECOMMENDED APPLICATIONS

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

SOIL TEXTURE	1/2 to 3% Organic Matter	Greater than 3% Organic Matter
	SENCOR 4 Pts./ Acre + Freedom 3 EC Qts./Acre	SENCOR 4 Pts./ Acre + Freedom 3 EC Qts./Acre
COARSE ^{1/} (Sandy loam)	1/2 + 2-3/4 to 3-1/2	3/4 + 3 to 3-1/2
MEDIUM ^{2/} (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/4 + 2-3/4 to 3-1/2	1 + 3-1/2 to 4
FINE ^{2/} (Silty clay, silty clay loam, ^{3/} clay, clay loam)	1 + 3-1/2 to 4	1- to 1-1/4 + 3-1/2 to 4-1/2
Mississippi Delta Only (Silty clay to heavy clay)	SENCOR 4 Pts./Acre + Freedom 3 EC Qts./Acre 2 + 3 1/2 to 4 1/2	

^{1/} Do not use SENCOR plus Freedom on sand or loamy sand soils with less than 2% organic matter.

^{2/} For control of lambsquarters, redroot pigweed, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR 4 at rates of 1/2 pint/acre on medium soils and 1/2 to 3/4 pint/acre on fine soils regardless of soil organic matter percentage (use 3/4 pint only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pint/acre rate of SENCOR 4 in tank mix combination with Freedom can be applied regardless of soil pH. For control of other weeds use SENCOR 4 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.

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

DO NOT USE ON MUCK SOILS.

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

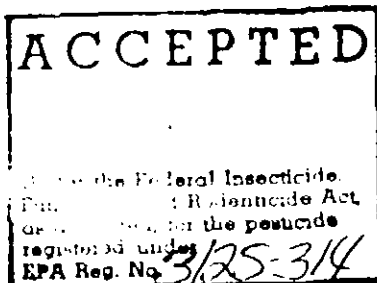
Observe all cautions and limitations on the labeling of all products used in mixtures.

U.S. LABEL

Reason to Issue: To revise claims for barley to: (1) add use on Boyer and Hesk varieties, (2) add claims for tank mixes with Igran or Finesse, (3) add windgrass (Apera sp.) to weeds controlled.

Date of Draft: 6/13/88 (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 PREVIOUSLY REGISTERED LABELING

REVISE TO READ AS FOLLOWS:

BARLEY (Spring and Winter)

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

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

RECOMMENDED BROADCAST APPLICATIONS

	SENCOR 4 Pints Per Acre	REMARKS
SOIL TEXTURE	%Organic Matter ^{1/} 1 to 2 Over 2	Barley should be seeded to obtain a uniform crop stand at application time. Apply after barley has fully tillered and developed secondary roots but before jointing and before weeds are 2 inches tall or have 2 inch diameter rosettes. Do not graze or harvest treated barley for feed before crop maturity.
COARSE (Sandy loam, loamy sand)	1/2 1/2 to 3/4	
MEDIUM (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2 to 3/4 3/4	
FINE (Silty clay, silty clay loam, ^{2/} clay, clay loam)	3/4 3/4 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 4 Flowable herbicide

Weeds Controlled in Barley:

Broadleaves

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

Grasses

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

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

Hard to Control Weed: Wild oats (Avena fatua)

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

SENCOR in Combination with Other Herbicides

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

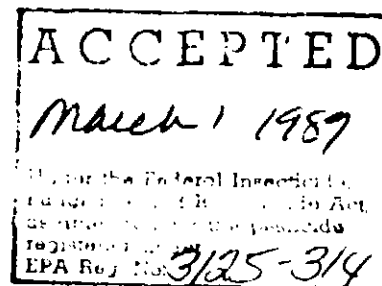
U.S. LABEL

REASON TO ISSUE: Add claims for use
in tank-mix combination with Commence
herbicide on soybeans.

Date of Draft: 1/5/89 (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%

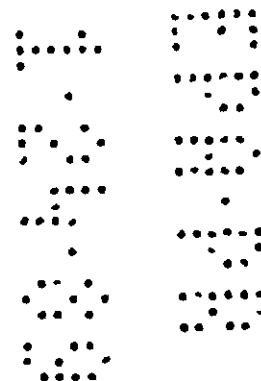
INERT INGREDIENTS: 59%
100%

AMENDMENT TO CURRENTLY REGISTERED LABELING

ADD THE FOLLOWING UNDER SOYBEANS:

SENCOR 4 plus Commence® 5.25 EC - Tank-mix

SENCOR 4 may be tank mixed with Commence 5.25 EC for preplant incorporated application to control certain weeds in soybeans. Refer to the "General Information" section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by SENCOR 4. See appropriate sections of the Commence 5.25 EC herbicide label for additional precautionary statements, directions for use, recommendations and additional weeds controlled.



RECOMMENDED APPLICATIONS

SENCOR Plus Commence - Tank Mix Preplant Incorporated Application

ORGANIC MATTER

Broadcast Rates Soil Texture ^{1/}	1/2 to 3%		Over 3%	
	SENCOR 4 (pts/acre)	Commence 5.25 EC (pts/acre)	SENCOR 4 (pts/acre)	Commence 5.25 EC (pts/acre)
Coarse ^{2/} (Sandy loam, loamy sand)	1/2	1 1/3 to 2	1/2	1 1/3 to 2
Medium (Loam, silt loam, silt, sandy clay, sandy clay loam)	1/2 - 3/4	2 to 2-1/4	1/2 - 3/4	2 to 2-1/4
Fine (Silty clay, silty clay loam ^{3/} , clay, clay loam)	1/2 - 3/4	2-2/3	3/4 - 1	2-2/3

- ^{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 plus Commence)

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

Do not apply when weather conditions favor drift.

Do not use treated vines for feed or forage.

Do not apply aerially or through irrigation equipment.

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

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

314-6599.YLD

Base Pre-Reg. (6599)

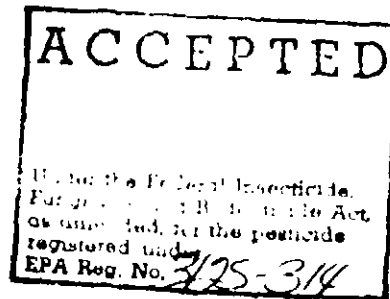
U.S. LABEL

REASON TO ISSUE: Add claims for use
in tank-mix combination with Cannon
herbicide on soybeans.

Date of Draft: 1/4/89 (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%

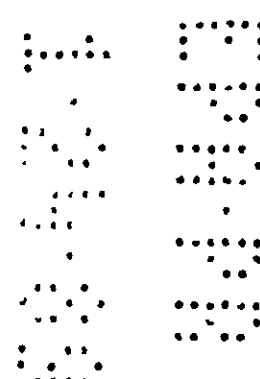
INERT INGREDIENTS: 59%
100%

AMENDMENT TO CURRENTLY REGISTERED LABELING

ADD THE FOLLOWING UNDER SOYBEANS:

SENCOR 4 plus Cannon® 3 EC - Tank-mix

SENCOR 4 may be tank mixed with Cannon 3 EC for preplant incorporated application to control certain weeds in soybeans. Refer to the "General Information" section of this label for information on mixing, application, restrictions, special precautions and weeds controlled by SENCOR 4. See appropriate sections of the Cannon 3 EC herbicide label for additional precautionary statements, directions for use, recommendations and additional weeds controlled.



SENCOR 4

RECOMMENDED APPLICATIONS

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

SOIL TEXTURE	1/2 to 3% Organic Matter		Greater than 3% Organic Matter	
	SENCOR 4 Pts./ Acre	+ Cannon 3 EC Qts./Acre	SENCOR 4 Pts./ Acre	+ Cannon 3 EC Qts./Acre
COARSE ^{1/} (Sandy loam)	1/2	+ 3	2/4	+ 3
MEDIUM ^{2/} (Loam, silt loam, silt, sandy clay, sandy clay loam)	3/4	+ 3	1	+ 3
FINE ^{2/} (Silty clay, silty clay loam, ^{3/} clay, clay loam)	1	+ 3	1 to 1-1/4	+ 3
Mississippi Delta Only (Silty clay to heavy clay)	SENCOR 4 Pts./Acre + Cannon 3 EC Qts./Acre 2 + 3			

^{1/} Do not use SENCOR plus Cannon on sand or loamy sand soils with less than 2% organic matter.

^{2/} For control of lambsquarters, redroot pigweed, wild mustard, green and yellow foxtails on alkaline (calcareous) soils in Minnesota, Nebraska, South Dakota, and North Dakota only, apply SENCOR 4 at rates of 1/2 pint/acre on medium soils and 1/2 to 3/4 pint/acre on fine soils regardless of soil organic matter percentage (use 3/4 pint only where soil pH is less than 7.5 and weed pressure is heavy). The 1/2 pint/acre rate of SENCOR 4 in tank mix combination with Cannon can be applied regardless of soil pH. For control of other weeds use SENCOR 4 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.

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

DO NOT USE ON MUCK SOILS.

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

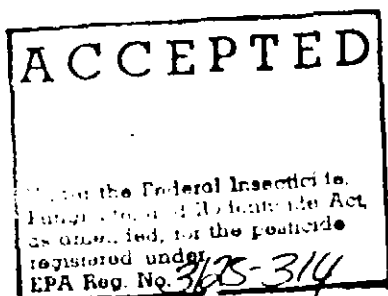
Observe all cautions and limitations on the labeling of all products used in mixtures.

U.S. LABEL

Date of Draft: 6/14/88 (Pre-Reg) (H)

Reason to Issue: To add tank mix
with Finesse herbicide on 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 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^{1/}

SOIL TEXTURE	SENCOR 4 PINTS PER ACRE		
	0.75% to 1% Organic Matter ^{2/}	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 ^{3/} , clay, clay loam	0.5 to 0.75	0.75 to 1.0	0.75 to 1.0

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

^{2/} Do not use on any soils containing less than 0.75% organic matter.

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

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)
 Pennycress, Field
 (Thlaspi arvense)
 Pineappleweed
 (Matricaria matricarioides)
 Prickly Lettuce
 (Lactuca serriola)
 Pigweeds,
 (Amaranthus spp.)
 Redstem filaree
 (Erodium cicutarium)
 *Russian Thistle
 (Salsola iberica)
 Shepherdspurse
 (Capsella bursa-pastoris)

Grasses

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

BEST AVAILABLE COPY

*Suppression only may occur

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

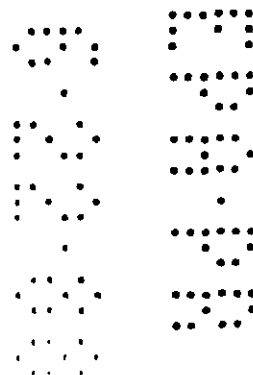
SENCOR 4 may be applied as a tank mix with Finesse®, Glean®, 2,4-D, MCPA, Igran®, Banvel, Bronate, Brominal, ME4 Brominal, 3+3 Brominal, Brominal Plus or Buctril®. Refer to the other product labels registered for this use for additional directions, rates and weed species controlled. Observe all cautions and limitations on labeling of all products used in mixtures.

IRRIGATED WHEAT

Follow timing directions for dryland wheat found at the beginning of this cereals section. After application of SENCOR 4, do not apply more than 1/2 inch of water for the first irrigation; the maximum amount for each additional irrigation should not exceed 1 inch.

SENCOR plus Igran Tank-Mix Application

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



SENCOR 4 Flowable herbicide

BROADLEAF WEED CONTROL ONLY:

Where only broadleaf control is needed, SENCOR 4 applied at the rates listed below in a tank mix combination with Brominal, Brominal Plus, ME4 Brominal, 3+3 Brominal, Bronate or Buctril can be used to control wild buckwheat, in addition to all the weeds listed on these labels.

RECOMMENDED BROADCAST APPLICATIONS

SENCOR 4 pt./A	REMARKS
3/8 to 1/2	Apply SENCOR in a tank mix combination with Brominal, Brominal Plus, ME4 Brominal, 3+3 Brominal, Buctril or Bronate. Use higher rate of SENCOR for control of larger broadleaf weeds that are 2 inches in diameter or height. Apply before weeds are greater than 3 inches in diameter or height. Not for use on sand soils.

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

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