

CONSERVE S.S.

Revised As Approved by P.S.A.C. 8/22/84

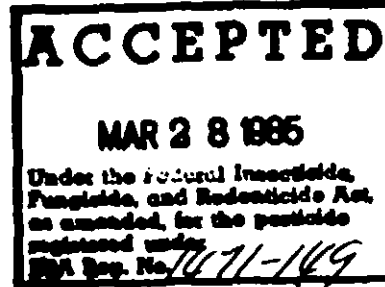
Revised Storage and Disposal Section

9/12/84 per PR Notice 83-2 and 83-3

ELANCO ID 0000

CONSERVED S.S. Herbicide

Net Contents 2 1/2 Gallons



A selective herbicide for the preemergence control of annual grasses and broadleaf weeds in soybeans

Active Ingredients:

- oryzalin (3,5-dinitro-N<sup>4</sup>,N<sup>4</sup>-dipropylsulfanilamide).....26.30%
- trifluralin (α,α,α-trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine).....26.30%
- Inert Ingredients.....47.40%

Contains 5 pounds active ingredient per gallon.

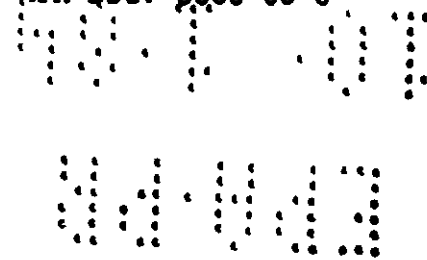
Keep Out of Reach of Children.

CAUTION

See back panel for additional caution statements.

EPA Reg. No. 1471-000

EPA Est. 0000-00-0



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### Directions for Use

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. See attached literature for complete directions for use.

Read all directions carefully before applying.

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### PRECAUTIONARY STATEMENTS

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#### Hazards to Humans and Domestic Animals

##### CAUTION

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist and contact with skin or eyes. CONSERVE S.S. may cause skin sensitization reactions in certain individuals. Use eye protection and protective clothing such as coveralls, long sleeved shirt, and impermeable gloves when handling this product.

**First Aid:** In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation develops.

#### Environmental Hazards

Do not apply directly to water or wetland. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or incorporate spills.

#### Storage and Disposal

**Storage:** Store in original container only. CONSERVE S.S. does not require heated storage. If frozen, allow the product to thaw and shake thoroughly before using. If stored at elevated temperatures, shake well before using. In case of leak or spill, use absorbant materials to contain liquids and dispose as waste.

**Pesticide Disposal:** Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**General:** Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

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The manufacturer makes no warranties, express or implied, concerning this product or its use, which extend beyond the description on the label or in literature published by Elanco Products Company, and all statements made concerning this product apply only when used as directed. Elanco Products Company expressly disclaims all warranties, express or implied, in relation to any use of the product in combination or sequential use with any other product not specifically recommended in writing by Elanco Products Company. If used in a combination or sequential use recommended by Elanco Products Company, the liability of Elanco shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the Elanco product in such combination or sequential use.

. Elanco Products Company

A Division of Eli Lilly and Company

. Indianapolis, IN 46285, U.S.A.

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ELANCO ID 0000

CONSERVE® S.S. Herbicide

Directions For Use

Precautions and Special Precautions

Crop Recommendations

ELANCO PRODUCTS COMPANY  
A Division of Eli Lilly and Company  
Indianapolis, Indiana 46285, U.S.A.

CONSERVE® - the registered trademark for Elanco Products Company oryzalin + trifluralin

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Literature issued (Date)

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     CONSERVE/Amiben®  
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 Warranty

Amiben® - chloramben, Union Carbide Agricultural Products Company, Inc.  
 Lexone® - metribuzin, E. I. duPont de Nemours and Company  
 Sencor® - metribuzin, Bayer, GmbH

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**PRECAUTIONARY STATEMENTS****Hazards to Humans and Domestic Animals****CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist and contact with skin or eyes. CONSERVE S.S. may cause skin sensitization reactions in certain individuals. Use eye protection and protective clothing such as coveralls, long sleeved shirt, and impermeable gloves when handling this product.

**First Aid:** In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation develops.

**Environmental Hazards**

Do not apply directly to water or wetland. Do not contaminate water by cleaning of equipment or disposal of wastes. Cover or incorporate spills.

**Storage and Disposal**

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**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.

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**General:** Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

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**WEEDS CONTROLLED BY CONSERVE**

( CONSERVE will not control established weeds.

**GRASSES CONTROLLED**

Barnyardgrass  
(Watergrass)

(Echinochloa sp.)

Brachiaria  
(Signalgrass)

(Brachiaria sp.)

Crabgrasses  
(Large crabgrass)  
(Smooth crabgrass)

(Digitaria spp.)

Crowfootgrass

(Dactyloctenium aegyptium)

( Fall panicum  
(Spreading panicgrass)

(Panicum dichotomiflorum)

Foxtails

(Setaria spp.)

( Bottlegrass)  
(Bristlegrass)  
(Giant foxtail)  
(Green foxtail)  
(Pigeongrass)  
(Robust foxtail)  
(Yellow foxtail)

( Goosegrass  
(Silver crabgrass)  
(Silvergrass)  
(Wiregrass)  
(Yardgrass)

(Eleusine indica)

( Johnsongrass  
(Seedling only)

(Sorghum halepense)

( Texas panicum  
(Buffalograss)  
(Coloradograss)  
(Hurrahgrass)

(Panicum texanum)

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## BROADLEAF WEEDS CONTROLLED

( Carpetweed	(Mollugo verticillata)
Florida pusley (Florida purslane) (Mexican clover) (Pusley)	(Richardia scabra)
Lambsquarters	(Chenopodium album)
Pigweeds (Carelessweed) (Prostrate pigweed) (Redroot) (Rough pigweed) (Spiny pigweed)	(Amaranthus spp.)
{ Purslane, common	(Portulaca oleracea)

## DIRECTIONS FOR USE

Read All Directions Carefully Before Applying.

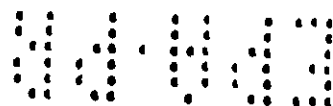
CONSERVE is a preplant shallowly soil mixed herbicide for the control of most annual grasses and certain broadleaf weeds.

## SOIL TEXTURE GUIDE

Refer to the following guide to determine your soil texture.

Coarse (light) soils	Sand
	Loamy sand
	Sandy loam
Medium soils	Loam
	Silt loam
	Silty clay loam*
	Silt
	Sandy clay loam*
Fine (heavy) soils	Clay
	Clay loam
	Silty clay loam*
	Silty clay
	Sandy clay
	Sandy clay loam*

\*Silty clay loam and sandy clay loam soils are transitional soils and may be classified as either medium or fine textured soils. If silty clay loam or sandy clay loam soils are predominantly sand or if silty, they are usually classified as medium textured soils. If predominantly clay, they are usually classified as fine textured soils.





## SOIL PREPARATION

CONSERVE will not control established weeds. Destroy existing weeds before a CONSERVE application. If crop or weed residues are present in amounts that will inhibit soil mixing, till the soil prior to application.

## APPLICATION DIRECTIONS

### CONSERVE Alone in Water

Shake well before using. Start with a clean spray tank. Fill sprayer 1/3 to 1/2 full with clean water. Start agitation. Add correct quantity of CONSERVE, continue agitation and finish filling the tank.

### CONSERVE Tank Mix in Water

Vigorous, continuous agitation is required for all tank mixes. (Sparger pipe agitators generally provide the best agitation in spray tanks). Avoid stirring or splashing air into the mixture during filling to prevent foaming. To do this, place the end of the fill pipe below the surface of the water in the spray tank. Do not allow the mixture to siphon back into the water source.

Mixing Order: Fill the tank three-fourths (3/4) full with clean water. Start the agitation. Add dry flowables or wettable powders (WP) and agitate until the products are completely dispersed in the water. Allow additional mixing and dispersion time when using dry flowable type products. Add CONSERVE S.S., or other liquids and agitate until completely dispersed in the water. Next add any solution (S) products, mix thoroughly. Add emulsifiable concentrate (EC) products last, agitate and finish filling the tank. Maintain agitation during filling and through application. If spraying and agitation must be stopped before the tank is empty, the materials may settle to the bottom. In this case, it is important to again suspend all of the material in the bottom of the tank before continuing the spray application. A sparger agitator is particularly useful for this purpose. Sometimes it is more difficult to resuspend settled material than it is to suspend it originally.

Read and carefully follow all label instructions for each material added to the tank. Premixing dry and flowable formulations with water (slurrying) and pouring the slurry through a 20 or 35 mesh wetting screen in the top of the tank will help assure good initial dispersion in the tank water. Line screens in the tank should be no finer than 50 mesh (100 mesh is finer than 50 mesh).

If you see a buildup of material on the walls of the spray tank, wash the tank with soapy water between fillings. Rinse and continue the spraying operation. Clean the tank lines and screens thoroughly after use.

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As the spray volume decreases, the importance of accurate calibration and uniform application increases. Check the sprayer daily to ensure proper calibration and uniform application. Do not apply CONSERVE when the wind can cause drifting of spray particles which can result in non-uniform application. CONSERVE should not be applied to soils which are wet or are subject to prolonged periods of flooding as poor weed control may result.

**GROUND APPLICATION**

Apply in 5 to 40 gallons of water per acre (broadcast basis) using any properly calibrated low-pressure herbicide sprayer. Constant, vigorous agitation which sweeps the bottom contents of the spray tank up into the main body of the liquid (such as a sparger pipe) is required to maintain a uniform suspension until the spray tank is empty.

**SOIL MIXING DIRECTIONS**

**Soil Mixing Before Planting**

CONSERVE should be thoroughly mixed into the top 1 to 3 inches of the seedbed with light tillage within three days after application. If crop or weed residues are present in amounts that will inhibit soil mixing, till the soil prior to application. If CONSERVE is applied to wet, warm soil surface or if the wind velocity is 10 mph or higher, work the soil as soon as soil conditions will allow. If rainfall occurs between application and soil mixing, till as soon as soil conditions will allow.

**CULTIVATION AFTER PLANTING**

Soil treated with CONSERVE may be shallow cultivated without reducing the weed control activity of CONSERVE. Do not cultivate deeper than the treated soil since this may bring untreated soil to the surface and poor weed control may result.

**CROP RECOMMENDATIONS**

These recommendations are given as the broadcast rates of CONSERVE per acre. For band applications, decrease the amount of CONSERVE in proportion to the amount of surface treated per acre. Apply in the spring when the soil can be worked and is suitable for good soil mixing. Where a rate range is shown, use the higher rate for finer textured soils, higher organic matter soils, applications earlier than three (3) weeks prior to plantings, or where extreme weed pressure is anticipated. CONSERVE should not be used on soils containing more than 10% organic matter.

**SOYBEAN: CONSERVE ALONE**

Apply CONSERVE at the following broadcast rates per acre:

<u>Soil Texture</u>	<u>CONSERVE S.S.</u> (pints)
Coarse	1 - 1 1/4
Medium	1 1/4 - 1 1/2
Fine	1 1/2 - 1 3/4

Special Precaution: Do not feed forage from treated fields to livestock. Poor weed control or crop injury may result if directions are not followed. Overapplication may result in crop injury or soil residue. Do not plant any root crops for 12 months following a CONSERVE application.



**TANK MIX RECOMMENDATIONS**

**Soybean: CONSERVE/Amiben**

The CONSERVE/Amiben tank mix effectively controls all of the annual grasses and broadleaf weeds controlled by CONSERVE alone plus these additional weeds:

- |                   |                         |
|-------------------|-------------------------|
| Chickweed         | Smartweed, Pennsylvania |
| Coffeeweed        | Spurge, annual          |
| (Sesbania)        | Stinkgrass              |
| Kochia            | Velvetleaf              |
| Mustard, wild     | (Buttonprints)          |
| Nightshade, black | (Butterweed)            |
| Prickly sida      | (Cottonweed)            |
| (Spiny sida)      | (Elephant's ear)        |
| (Teaweed)         | (Indian mallow)         |
| Ragweed, common   | (Piemarker)             |
| Russian thistle   |                         |

The CONSERVE/Amiben tank mix may be applied from several days prior to planting up to planting. Read the Amiben label for all cautions, precautions and special precautions before use. Follow recommended procedures for soil preparation, application, agitation and for soil mixing for CONSERVE. Use the higher rate of Amiben where heavy populations of smartweed, velvetleaf, ragweed, wild mustard or black nightshade are expected.

**Broadcast Rates Per Acre**

<u>Soil Texture</u>	<u>CONSERVE S.S.</u> (pints)	+	<u>Amiben 2S</u> (quarts)	or	<u>Amiben DS</u> (pounds)
Coarse	1 - 1 1/4		4 - 6		2.4 - 3.6
Medium	1 1/4 - 1 1/2		4 - 6		2.4 - 3.6
Fine	1 1/2 - 1 3/4		4 - 6		2.4 - 3.6

**Special Precaution:** Poor weed control and/or crop injury may result if directions are not followed. Overapplication may result in crop injury and/or soil residue. Do not use soybean hay grown in the treated area for feed or forage. Do not contaminate any body of water, apply to any area not specified on the label, or allow sprays to drift onto adjacent plants.

Destroy empty containers for both products. Do not reuse.

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**Soybean: CONSERVE/Sencor or Lexone**

CONSERVE/Sencor or Lexone tank mix effectively controls all the annual grasses and broadleaf weeds controlled by CONSERVE alone plus these additional weeds:

Jimsonweed	Ragweed, common
Mallow, Venice	Sesbania
Mustard, wild	(Coffeebean)
Prickly sida	(Coffeeweed)
(Spiny sida)	Smartweed, Pennsylvania
(Teaweed)	Velvetleaf

Cocklebur, morningglory and giant ragweed control may be erratic, ranging from poor to excellent depending upon soil temperature, time of germination, depth of seed in the soil and the amount and timing of soil moisture.

Read the Sencor or Lexone label for all cautions, precautions or special precautions before use. The CONSERVE/Sencor or CONSERVE/Lexone tank mix can be applied from two weeks before planting up to planting. Follow recommended procedures for soil preparation and for soil mixing for CONSERVE.

**Broadcast Rates Per Acre**

<u>Soil Texture</u>	<u>CONSERVE S.S.</u> (pints)	<u>Sencor 4</u> or <u>Lexone 4L</u> (pints)	<u>Sencor</u>
			<u>Dry Flowable</u> or <u>Lexone</u> <u>Dry Flowable</u> (pounds)
Coarse*	1 - 1 1/4	1/2	1/3
Medium	1 1/4 - 1 1/2	3/4	1/2
Fine	1 1/2 - 1 3/4	1	2/3

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

Special Precaution: Poor weed control and/or crop injury may result if directions are not followed. Overapplication may result in crop injury and/or soil residue. Do not use soybean hay from treated area for feed or forage. Do not contaminate any body of water, apply to any area not specified on the label, or allow sprays to drift onto adjacent plants. Do not plant any crop other than soybeans within 4 months after application.

Destroy empty containers for all products. Do not reuse.

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**WARRANTY**

The manufacturer makes no warranties, express or implied, concerning this product or its use, which extend beyond the description on the label or in literature published by Elanco Products Company, and all statements made concerning this product apply only when used as directed. Elanco Products Company expressly disclaims all warranties, express or implied, in relation to any use of the product in combination or sequential use with any other product not specifically recommended in writing by Elanco Products Company. If used in a combination or sequential use recommended by Elanco Products Company, the liability of Elanco shall in no manner extend to any damage, loss or injury not directly caused by the inclusion of the Elanco product in such combination or sequential use.

CONSERVE S.S.

Revised 8/22/84 as approved by PSAC

Revised 9/12/84 to incorporate storage and disposal changes required by EPA

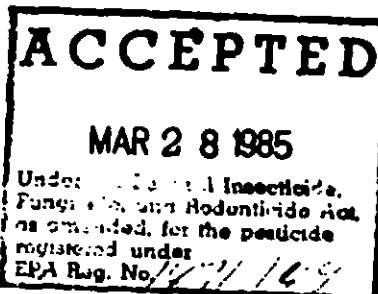
CONSERVE® S.S. (E.P.A. REG. NO. 1471-000)

CONSERVE/LASSO® AND CONSERVE/LASSO/SENCOR®  
OR CONSERVE/LASSO/LEXONE®  
SOIL MIXED FOR WEED CONTROL IN SOYBEANS

CONSERVE may be tank mixed with Lasso or Lasso and Sencor/Lexone and soil mixed for weed control in soybeans.

A. CONSERVE/Lasso controls those weeds listed for CONSERVE alone plus these additional weeds:

Galinsoga	Nutsedge, yellow <sup>2</sup>
Nightshade, black <sup>1</sup>	Rice, red <sup>2</sup>
Nightshade, hairy <sup>1</sup>	Witchgrass



Additional weeds partially controlled by this combination include:

Beggarweed, Florida	Sida, spiny (teaweed)
Ragweed, common	Smartweed
Shattercane <sup>3</sup>	

<sup>1</sup>, <sup>2</sup> or <sup>3</sup> Check beneath rate table for additional information.

B. CONSERVE/Lasso/Sencor or Lexone controls those weeds listed for CONSERVE alone plus these additional weeds:

Galinsoga	Sesbania
Jimsonweed	(Coffeebean)
Mallow, Venice	(Coffeeweed)
Mustard, wild	Shepherdspurse
Nightshade, black <sup>1</sup>	Smartweed, Pennsylvania
Nightshade, hairy <sup>1</sup>	Spurge, spotted
Nutsedge, yellow <sup>2</sup>	Spurred anoda
Rice, Red <sup>2</sup>	Velvetleaf
	Witchgrass

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Follow recommended soil preparation procedures for CONSERVE. Apply the tank mixes in a minimum of 15 gallons of water per acre. Set equipment to mix the soil no deeper than four (4) inches. Apply the tank mixes up to seven (7) days prior to planting.

### Broadcast Rates Per Acre

Use the recommended rates listed for CONSERVE and Lasso for the two-way combination; add the recommended rate of Sencor or Lexone for the CONSERVE/Lasso/Sencor or Lexone tank mix.

<u>Soil Texture</u>	<u>CONSERVE S.S.</u> (pints)	<u>Lasso</u> (quarts)	<u>Sencor 4</u> or <u>Lexone 4L</u> (pounds)	<u>Sencor</u> <u>Dry Flowable</u> or <u>Lexone</u> <u>Dry Flowable</u> (pounds)
Coarse	1 - 1 1/4	2 1/2	1/2 <sup>4</sup>	1/3 <sup>4</sup>
Medium	1 - 1/4 - 1 1/2	3 - 3 1/2	3/4	1/2
Fine	1 1/2 - 1 3/4	3 1/2 - 4	1	2/3

<sup>1</sup> Use a minimum of two and one-half (2 1/2) quarts of Lasso to control these weeds.

<sup>2</sup> Use three (3) to four (4) quarts of Lasso per acre on medium and fine textured soils to control these weeds.

<sup>3</sup> Use four (4) quarts of Lasso to reduce competition of this weed.

<sup>4</sup> Do not use Sencor or Lexone on coarse soils with less than one (1) percent organic matter.

Read the CONSERVE, Lasso, Sencor and Lexone labels for additional directions, cautions and limitations prior to use.

CONSERVE® - trifluralin + oryzalin, Elanco Products Company

Lasso® - alachlor, Monsanto Company

Lexone® - metribuzin, E. I. duPont de Nemours and Company

Sencor® - metribuzin, Bayer GmbH

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Indianapolis, Indiana 46285

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Revised 9/17/84

CONSERVE® S.S. (E.P.A. REG. NO. 1471-000)

CONSERVE/DUAL® AND CONSERVE/DUAL/SENCOR®  
OR CONSERVE/DUAL/LEXONE®  
SOIL MIXED FOR WEED CONTROL IN SOYBEANS

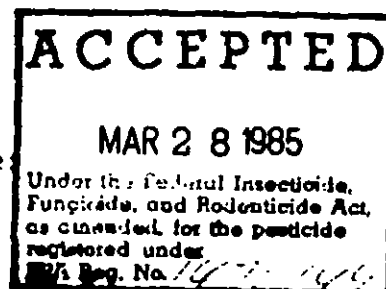
CONSERVE may be tank mixed with Dual or Dual and Sencor/Lexone and soil mixed for weed control in soybeans.

A. CONSERVE/Dual controls those weeds listed for CONSERVE alone plus these additional weeds:

Cupgrass, prairie	Nightshade, black
Cupgrass, southwestern	Nutsedge, yellow
Galinsoga	Rice, red
Millet, foxtail	Witchgrass

Additional weeds partially controlled by this combination include:

Nightshade, hairy	Sorghum, volunteer
Sandbur	



B. CONSERVE/Dual/Sencor or Lexone controls those weeds listed for CONSERVE alone plus these additional weeds:

Cupgrass, prairie	Sesbania
Cupgrass, southwestern	(Coffeebean)
Galinsoga	(Coffeeweed)
Jimsonweed	Shepherdspurse
Mallow, Venice	Smartweed, Pennsylvania
Mustard, wild	Spurge, spotted
Nightshade, black	Spurred anoda
Nutsedge, yellow	Velvetleaf
Rice, red	Witchgrass

Additional weeds partially controlled by this combination include:

Nightshade, hairy	Sorghum, volunteer
Sandbur	

Follow recommended soil preparation procedures for CONSERVE. Apply the tank mixes in a minimum of 10 gallons of water per acre. Mix the tank mix into the top two (2) inches of soil. Apply the tank mixes up to 14 days prior to planting.



<u>Texture</u>	<u>CONSERVE S.S.</u> (pints)	<u>3% O.M.</u> (pints)	<u>or Greater</u> (pints)	<u>Lexone 4L</u> (pints)	<u>Dry Flowable</u> (pounds)
Coarse	1 - 1 1/4	1 1/2 - 2	2	1/2 <sup>1</sup>	1/3 <sup>1</sup>
Medium	1 1/4 - 1 1/2	2 - 2 1/2	2 - 2 1/2	3/4	1/2
Fine	1 1/2 - 1 3/4	2 - 2 1/2	2 1/2 - 3	1	2/3

<sup>1</sup> Do not use Sencor or Lexone on coarse soils with less than one (1) percent organic matter.

Read the CONSERVE, Dual, Sencor and Lexone labels for additional directions, cautions and limitations prior to use.

CONSERVE® - trifluralin + oryzalin, Elanco Products Company

Dual® - metolachlor, Ciba-Geigy Corporation

Lexone® - metribuzin, E. I. duPont de Nemours and Company

Sencor® - metribuzin, Bayer GmbH

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