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((BOOKLET))

DUPONT

RELIANCE (TM) STS (TM)
HERBICIDE

DRY FLOWABLE

DIRECTIONS FOR USE

DUPONT CANADA INC.
AGRICULTURAL PRODUCTS
Box 2300, Streetsville
Mississauga, Ontario
L5M 2J4
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DUPONT

RELIANCE (TM) STS (TM)

herbicide

Dry Flowable

FOR USE ON SULFONYLUREA TOLERANT
SOYBEANS IN EASTERN CANADA

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

GUARANTEE:

Chlorimuron ethyl 16.0%
Thifensulfuron methyl 9.0%

CAUTION - EYE IRRITANT

PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN.
Avoid breathing spray mist.
Avoid contact with skin, eyes and clothing.

Keep outer bag and soluble bags away from water.
Do not contaminate any body of water.
Do not sell soluble bags separately.

REGISTRATION NO.: 25434

PEST CONTROL PRODUCTS ACT

FIRST AID

EYE CONTACT: Flush eyes immediately with plenty of water for 15 minutes. Contact a physician or contact a poison control centre.

SKIN CONTACT: Wash skin with plenty of soap and water. Remove and wash contaminated clothing before reuse.

INGESTION: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult physician or a poison control centre if necessary.

For medical emergencies and transportation emergencies such as spills, leaks or fires, call 1-613-348-3616 (24 hours).

IMPORTANT

Injury to or loss of desirable trees or vegetation may result from failure to observe the following:

Do not apply, drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. Do not use on lawns, walks, driveways, tennis courts or similar areas. Prevent drift of spray to desirable plants. Do not contaminate any body of-water, including irrigation water that may be used on other crops. Carefully observe sprayer clean-up instructions, as spray tank residue may damage crops other than soybeans.

DO NOT APPLY BY AIR.

APPLY RELIANCE STS WITH A RECOMMENDED SURFACTANT.

Do not handle pesticides with bare hands. Chemical resistant gloves significantly reduce hand exposure. Wear gloves for mixing/loading/clean-up operations and when making sprayer and nozzle repairs and adjustments. Do not use leather or cloth gloves. Wear coveralls, or long-sleeved shirt and long pants, for mixing, loading and applying, and during clean-up and repair activities.

GENERAL INFORMATION

RELIANCE STS Herbicide is recommended for selective postemergence control of broadleaf weeds ONLY in sulfonylurea tolerance soybean varieties (e.g. varieties designated as "STS"). USE OF RELIANCE STS ON SOYBEAN VARIETIES NOT DESIGNATED AS SULFONYLUREA TOLERANT MAY CAUSE SEVERE CROP INJURY. Due to risk of crop injury, do not use RELIANCE STS on crop grown from seed saved from previous years' production (bin run seed). Information on sulfonylurea tolerant soybean varieties may be obtained from your seed supplier or DuPont representative.

RELIANCE STS is formulated as a dry flowable granule to be mixed in water and applied as a uniform broadcast spray. It is non-corrosive, non-flammable, non-volatile, and does not freeze. RELIANCE STS is prepackaged in water soluble bags; each 56.4 g water soluble bag treats one hectare. Use gloves when handling the water soluble bags. Reseal unused water soluble bags away from excess moisture or physical damage during storage and prior to mixing in the spray tank. Do not reuse outer bag.

RELIANCE STS must be applied with a recommended non-ionic surfactant early postemergence to the main flush of actively growing weeds. Warm, moist growing conditions promote active weed growth and enhance the activity of RELIANCE STS by allowing maximum foliar uptake and contact activity.

Weeds hardened off by environmental stress may not be adequately controlled and regrowth may occur. RELIANCE STS may only be applied using ground equipment. For best results ensure thorough spray coverage of target weeds.

RELIANCE STS rapidly stops growth of susceptible weeds. However, typical symptoms (discoloration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending on growing conditions and weed susceptibility. Favourable growing conditions following treatment promote the activity of RELIANCE STS while cold, dry conditions delay the activity.

Degree of control and duration of effect depend on weed sensitivity, weed size, crop competition, growing conditions and spray coverage.

DIRECTIONS FOR USE

RATES AND TIMING:

Optimum timing of RELIANCE for annual broadleaf weed control is when soybeans are in the 1 to 3 trifoliolate stage of growth. Do not apply RELIANCE before the first trifoliolate has fully expanded or after the initiation of flowering. RELIANCE can be applied up to 60 days before harvest.

one water soluble bag treats 1 hectare.

Use 56.4 grams of RELIANCE STS per hectare. A non-ionic surfactant such as AGRAL 90, CITOWETT PLUS, or AG-SURF must also be used at 0.2% v/v.

OPTIONAL: The addition of liquid fertilizer containing 28% nitrogen to the spray mixture at the rate of 2 litres per hectare may improve control of velvetleaf and should be added after the surfactant.

For best results apply to young actively growing weeds before the soybean canopy closes. Weeds that emerge after treatment will not be controlled.

If rain occurs after application, control may be reduced. Two to four hours of dry weather are needed to allow RELIANCE STS to be absorbed by weed foliage.

WEEDS CONTROLLED BY RELIANCE STS ALONE:

| Weeds | Leaf Stage | Height (cm) |
|-----------------|------------|----------------------|
| Common Ragweed | 2-6 | 10 cm tall or across |
| Redroot Pigweed | 2-8 | " |
| Lady's Thumb | 2-8 | " |
| Wild Mustard | 2-8 | " |
| Velvetleaf | 2-6 | " |
| Lamb's-Quarters | 2-6 | " |

MIXING INSTRUCTIONS:

0. Fill clean tank about 1/4 full with fresh water.
0. Turn on full agitation.
0. Add the proper amount of RELIANCE STS to the water in the spray tank with the agitator running. Maintain full agitation until water soluble bags are completely dissolved and product is fully dispersed. Continuous agitation is required to keep the product in suspension.
0. After RELIANCE STS has been well mixed and is in suspension add a recommended non-ionic surfactant such as CITOWETT PLUS, AGRAL 90, or AG-SURF at 2 L per 1000 L spray solution (0.2% v/v).
0. Fill the remainder of the spray tank with clean water. On repeat tank loads, ensure that the amount of spray solution left in the tank from the previous load is less than 10% of the volume about to be mixed.

Agitation is required for uniform mixing and application. The optimum water volume for RELIANCE STS application is 140-190 litres of water per hectare (minimum of 100 litres of water per hectare). Flat fan nozzles are recommended. Use 50 mesh filter screens or larger. Use spray preparation of RELIANCE STS within 24 hours or product degradation may occur resulting in a loss of weed control. Use vigorous agitation to thoroughly disperse spray mixtures that have been allowed to stand in the tank.

NOTE: RELIANCE STS will degrade in acidic or highly alkaline water. Mix no more than can be used in one day. If spraying is interrupted, thoroughly re-agitate the spray mixture before resuming spraying.

NOTE: Do not mix the soluble bags with liquid fertilizers, substances that contain boron or substances that release free chlorine. Mixing the water soluble bags with any of these compounds will result in an insoluble substance in the tank.

Do not mix or load where there is potential to contaminate wells or aquatic systems.

SPRAYER CLEANUP

To avoid subsequent injury to crops other than soybeans immediately after spraying and prior to spraying other crops thoroughly remove all traces of RELIANCE STS from mixing and spray equipment as follows:

0. Drain tank; then flush tank, boom and hoses with clean water for a minimum of ten minutes. Visually inspect tank to assure removal of all visible residues of RELIANCE STS. If necessary, repeat step 1. DO NOT CLEAN SPRAY EQUIPMENT NEAR WELLS, AQUATIC SYSTEMS, OR OTHER WATER SOURCES, OR NEAR TO DESIRABLE VEGETATION.
0. Fill tank with clean water while adding 1 litre household ammonia (containing a minimum 3% ammonia) per 100 litres of water. Flush solution through boom and hoses, and then add more water to completely fill tank. Allow to sit for 15 minutes with agitation. Again flush the hoses, boom and nozzles with the cleaning solution and drain tank.
0. Remove the nozzles and screens and clean separately in a bucket containing cleaning agent and water.
0. Repeat Step 2.
0. Thoroughly rinse the tank with clean water for a minimum of 5 minutes, flushing water through the hoses and boom.

REPLANTING TO OTHER CROPS

RELIANCE STS is degraded by natural soil processes, and field tests have shown that the following crops may safely be planted at the prescribed interval following soybeans that have been treated with RELIANCE STS. The recropping intervals are dependent on the pH of the soil, as well as the sensitivity of the specific rotational crop.

Replanting Interval - Months

| Soil pH | Field Corn | Winter Wheat | White Beans Soybeans (includes sulfonylurea tolerant soybean varieties) | Alfalfa |
|---------|--------------|--------------|---|---------|
| # 7.4 | 10 | 3 | 10 | 10 |
| \$ 7.5 | Do Not Apply | | | |

Soil pH may vary significantly within a single field. It may be affected by soil amendments (i.e. lime, fertilizers, etc.) or soil conditions (i.e. eroded knolls, etc.).

For other crops, a field bioassay is recommended before planting. A successful field bioassay means growing to maturity a test strip of the crop(s) intended for production the following year.

FIELD BIOASSAY

Select a representative area or areas of the field previously treated with RELIANCE STS herbicide to plant your bioassay crop(s). Be sure to consider factors such as size of field, soil texture, drainage and turn-around areas when selecting the site(s) that are most representative of the soil conditions in the field. On large fields, more than one site may be needed in order to obtain reliable results.

Plant the test strips perpendicular to the direction in which the field was sprayed. The strips should be long enough to cross the width of several spray swaths. Large test strip areas are more reliable than small ones.

Use standard tillage and seeding equipment to plant the bioassay. Prepare a seed bed and plant the crops and varieties you want the option of growing the following year. It is important to use the same planting time, conditions, techniques and cultural practices you normally use to plant and grow the bioassay crop(s). Also plant into an adjacent area not treated with RELIANCE STS to use as a comparison.

As the crop(s) emerges and grows, examine these key points in RELIANCE STS treated and non-treated areas:

- crop stand
- root development
- rate of growth
- plant colour and vigour
- yield

Allow the bioassay crop(s) to grow to maturity while making your observations. Do not overspray the test strips with herbicides that may damage the bioassay crop(s). If the bioassay indicates that RELIANCE STS residues are still present, continue cropping only to those crops listed on the label and do not rotate to other crops until bioassay results indicate that susceptible crops are growing normally.

USE PRECAUTIONS

Do not apply RELIANCE STS during periods of intense rainfall or to soils saturated with water. Do not apply directly to standing or running water. Do not apply in areas where surface water from the treatment site can run off to adjacent cropland, either planted or to be planted, or into bodies of water (such as streams, ponds, rivers, lakes, and irrigation water), wetlands, or wells. Applications should only be made when there is no hazard of spray drift contaminating non-target land areas since very small quantities of the RELIANCE STS spray solution may severely injure susceptible crops and other sensitive terrestrial habitats during both growing and dormant periods.

only apply to sulfonylurea tolerant soybean varieties (e.g. varieties designated as "STS") or crop injury may result. Do not apply to soybeans that have been stressed by severe weather conditions, frost, low fertility, drought, water saturated soil, disease or insect damage as crop injury may result.

Under extreme weather conditions, such as hot, dry weather, excessive moisture, or frost, weed control may be reduced.

Rainfall within 2-4 hours after application of RELIANCE STS may reduce weed control.

Apply RELIANCE STS when the minimum temperature in the 24 hours before and after application is above 5 degrees C. If soybeans have been injured by frost, wait at least 48 hours before applying RELIANCE STS.

Overspray or drift to important wildlife habitats such as ponds, wetlands, streams, woodlots and shelterbelts should be avoided. Leave a 20 metre buffer zone between the last spray swath and bodies of water, such as ponds, lakes, rivers, and streams. Leave a 43 metre buffer zone between the last spray swath and wetlands, vegetated areas at the edges of bodies of water, woodlots and shelterbelts, and other terrestrial wildlife habitats.

RELIANCE STS herbicide must not be applied within 60 days of harvest.

Make only one application of RELIANCE STS per season.

Do not graze the treated crop or cut for hay: sufficient data is not available to support such use.

Do not apply RELIANCE STS to soybeans grown on soil of pH \leq 7.5 due to risk

of rotational crop injury.

Some naturally occurring populations of certain weeds listed on this label may not be controlled by RELIANCE STS or other herbicides with the same mode of action (ALS/AHAS enzyme inhibitors). These resistant weed populations are able to survive use rates several times higher than required to control susceptible populations. To delay selection for resistant populations, rotate the use of ALS/AHAS inhibitor herbicides with other herbicides effective on the same weeds. Avoid the use of ALS/AHAS inhibitor herbicides repeatedly in the same field. Contact your local DuPont representative or the DuPont Hotline at 1-800-667-3925 for more information.

ALS/AHAS INHIBITOR HERBICIDES

PINNACLES
MUSTER
PURSUIT
CLASSIC
REFINE EXTRA
ULTIM
ELIM EP
BROADSTRIKE DUAL
FIELDSTAR
STRIKER
PRISM
BROADSTRIKE TREFLAN

STORAGE AND DISPOSAL

Storage:

Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed. Keep water soluble bags in original outer bag away from moisture.

Disposal:

0. Make the empty container unsuitable for further use.
0. Dispose of the container in accordance with provincial requirements.
0. For information on the disposal of unused, unwanted product and the cleanup of spills, contact the Provincial Regulatory Agency or the Manufacturer.

NOTICE TO USER

This control product is to be used only in accordance with the directions on this label. It is an offense under the PEST CONTROL PRODUCTS ACT to use a

control product under unsafe conditions.

NOTICE TO BUYER

Seller's guarantee shall be limited to the terms set out on the label and subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

The seller warrants that the purchase by the buyer and the use of this product, as such, will not infringe on any Canadian patent.

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((LABEL))

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GUARANTEE:

Chlorimuron ethyl 16.0%
Thifensulfuron methyl 9.0%

CAUTION - EYE IRRITANT

REGISTRATION NO.: 25434

PEST CONTROL PRODUCTS ACT

NET CONTENTS: 225.6 grams
(4 x 56.4 grams water soluble bags)

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