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Systems Integration Group, Inc.

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

**MAY 25 1999**

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Pat McGourty  
Platte Chemical Company  
P.O. Box 667  
Greeley, CO 80632

Dear Mr. McGourty:

Subject: Label Amendment Extending 2,4-D Use in Reduced or No-Tillage Soybeans  
(Pre-plant Only)  
Saber  
EPA Reg. No. 34704-803  
Your Application Dated April 08, 1999

The Agency is conditionally approving an amendment to the registration of the above-referenced product under the authority of section 3(c)(7)(B) of the Federal Insecticide, Fungicide Act (FIFRA). This amendment allows use of the subject product on reduced or no-tillage soybeans (pre-plant only) with a maximum permissible level for residues of the herbicide in or on soybeans of 0.1 ppm. This amendment will expire automatically on December 31, 2001. In addition, during the period that this amendment is effective, it will be subject to the conditions listed below:

- 1) This acceptance is based on your certification that the submitted labeling on preplant soybean use is an exact copy of the labeling accepted by the Agency on February 9, 1998. Please note that the acceptance of this labeling pertains to the previously approved preplant soybean use only and does not signify the acceptance of any other labeling revisions. No other label revisions are being reviewed or considered with this action. You should also note that if you fail to satisfy the conditions imposed in this certification, EPA may issue a notice to cancel this amendment under FIFRA section 6(e).
- 2) This conditional registration will expire automatically on December 31, 2001. Sale or distribution of the subject product bearing labeling for this use on reduced or no-tillage soybeans (pre-plant only) after December 31, 2001 will be illegal. The tolerance authorizing residues of the subject product will also expire on December 31, 2001. After that date, sale or distribution of food in interstate commerce containing any residue of the subject product will be a violation of the Federal Food, Drug, and Cosmetic Act.

SmcCooke  
5/25/99

- 3) Finally, if and when a permanent tolerance is established, EPA will entertain an application to amend the registration of the subject product without any special limitations on the duration of the amendment.

A stamped copy of the labeling is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment.

Sincerely yours,

Joanne I. Miller  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505C)

Enclosure

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAY 25 1999

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
34704-803



### FOR CONTROL OF BROADLEAF WEEDS IN CERTAIN CROPS AND NONCROP AREAS

**ACTIVE INGREDIENT:**

Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid	.....	46.6%*
<b>INERT INGREDIENTS:</b>	.....	<b>53.4%</b>
	<b>TOTAL</b>	<b>100.0%</b>

\*Contains 3.8 lbs. of 2,4-Dichlorophenoxyacetic acid equivalent per U.S. gallon or 456 grams per liter.

\*Contains 38.7% 2,4-Dichlorophenoxyacetic acid equivalent, by weight isomer specific by AOAC Method 6.DO1-5.

**KEEP OUT OF REACH OF CHILDREN  
DANGER PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See Below For Additional Precautionary Statements.

EPA REG. NO. 34704-803

EPA EST. NO. \_\_\_\_\_

NET CONTENTS 2½ GALS. (9.46 L)

2827

IHT

01B98

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER**

Corrosive, causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**Personal Protective Equipment:**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category B on the EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton, chaps plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

**For containers over 1 gallon and less than 5 gallons in capacity:** Mixers and loaders who do not use a mechanical system (probe and pump, or spigot) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to other required PPE.

**For containers of 5 gallons or more in capacity:** A mechanical system (probe and pump, or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the

probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**Engineering controls statements:**

When handlers use enclosed cabs or aircraft in a manner that meets with requirements in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**STATEMENT OF PRACTICAL TREATMENT**

**If swallowed:** Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

**If on skin:** Wash with plenty of soap and water. Get medical attention.

**If in eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

**Note to Physician:** If in eyes, specialized ophthalmologic attention may be necessary. If swallowed, probable mucosal damage may contraindicate gastric lavage. There is no specific antidote; treat symptomatically. **FOR A MEDICAL EMERGENCY INVOLVING THE USE OF THIS PRODUCT CALL: 1-800-228-5835, EXT. 136, OR CALL COLLECT, 612-851-8180, EXT. 136.**

**USER SAFETY RECOMMENDATIONS**

Users should:

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

Do not apply when weather conditions favor drift from treated areas. Do not apply when a temperature inversion exists. Such a condition is characterized by little or no air movement and an increase in air temperature with an increase in height. In humid regions a fog or mist may form. An inversion may be detected by producing a smoke column and checking for a layering effect. If questions exist pertaining to the existence of an inversion, consult with local weather services before making application.

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Avoid contamination of water supplies that may be used to irrigate crops, or for domestic purposes. Do not use the same spray equipment for other purposes unless thoroughly cleaned.

**Groundwater Contamination:**

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

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# SABER®

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## STORAGE AND DISPOSAL

**STORAGE:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Store in a cool, dry, locked storage area inaccessible to children and pets. Avoid contamination of fertilizers, seeds, plants, insecticides, and fungicides in storage. Keep from freezing. Keep container tightly closed when not in use. When transfer to another container is necessary because of leakage or damage, carefully mark and identify contents of new container. If label is damaged or missing, contact dealer or manufacturer. Absorb spills with granular clay absorbent and dispose of as indicated under PESTICIDE DISPOSAL.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL: Plastic Containers:** Do not reuse empty container. Triple rinse (or equivalent), adding rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**Non-Returnable Metal Drums:** Triple rinse (or equivalent). Pressure rinse is preferred. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Returnable Non-Bulk or Bulk Containers:** Return empty container to point of purchase.

**General Information:** SABER Herbicide is a diethylamine salt form of 2,4-D formulated for application with aerial and ground equipment. No additional surfactants, buffering agents or other additives are required for use with this product. SABER is formulated to be compatible with most liquid nitrogen solutions, however, due to variability in fertilizers, users may wish to perform a jar compatibility test before large scale mixing.

Best results will be obtained when SABER is applied during warm weather to young weeds that are actively growing under good moisture conditions. Lowest recommended rates will generally be satisfactory on susceptible annual weed seedlings. For listed perennial or biennial weeds and under certain conditions such as drought or cool temperatures where control is difficult, the higher recommended rates may be required. In general, only weeds emerged at the time of application will be affected.

When SABER is used for weed control in actively growing crops, the growth stage of the crop must be considered. Proper timing is required to obtain maximum crop tolerance and to avoid crop injury. Weed control and crop tolerance of this product may be affected by local conditions, crop varieties, cultural practices, application methods and other factors. Users should consult with Agricultural Extension Service, agricultural experiment station, university weed specialists, seed companies or other qualified crop advisors for information pertaining to local use. In general, weed control and crop tolerance will be best when plants have neither too little nor excessive moisture before or after application, and the crop is not under other stresses.

Avoid applications when winds are blowing toward nearby susceptible plants, or when temperature inversions are expected. Do not make direct application or allow spray drift to contact susceptible plants since very small quantities of this herbicide can cause severe injury in the growing or dormant period. Plants contacted may be killed or suffer significant injury resulting in grade or yield losses. Soil residue of this product may temporarily inhibit seed germination and plant growth.

Do not apply in or near greenhouses.

Certain states have regulations which may affect the use of this product. Contact your state pesticide authority for additional information.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton, shoes plus socks and protective eyewear.

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**USE REQUIREMENTS FOR PASTURES, PERENNIAL GRASSLANDS, RANGELAND, FALLOW LAND AND NONCROP AREAS:** Do not enter treatment areas until spray has dried. For early entry to treatment areas, wear eye protection, chemical-resistant gloves, long-sleeved shirt, long pants, socks and shoes.

**TURF USE REQUIREMENTS:** Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried. NOTE: For application to turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes, follow AGRICULTURAL USE REQUIREMENTS on this label.

## APPLICATION PROCEDURES

For all types of applications, use calibrated spray equipment to assure applying the recommended amount of SABER spray mixture per acre. Use sufficient spray volume within the ranges specified to obtain good coverage of weeds. SABER is absorbed sufficiently within 1 hour after application to provide adequate weed control.

Use enough spray volume to provide uniform coverage of weeds, taking into account the amount of vegetation present and the type of application equipment to be used. As crop canopy and weed density increase, a higher spray volume may be needed for equivalent coverage and weed control. Use higher spray volumes when applying SABER with foliar nutrient sprays. Use coarse sprays to minimize potential spray drift. Do not apply with hollow cone nozzles or other nozzles that produce fine spray droplets. Boom sprayers with low volume flood nozzles are generally most suitable for ground broadcast applications.

## AUTOMOBILE FINISH PRECAUTION

Undiluted spray droplets of this product may damage automobile finishes. Cars and other vehicles should not be sprayed. If accidental exposure does occur, the vehicle should be washed before product dries.

For certain specified applications liquid fertilizer may replace part or all of the water as diluent. If dry flowable (DF), wettable powder (WP) or flowable (F) tank mix products are to be used, these should generally be added to the spray tank before SABER. Refer to mixing directions on tank mix product labels. For best results, thoroughly clean sprayer immediately after use by flushing with water and heavy duty detergent such as Loveland Industries, Inc. Tank & Equipment Cleaner.

NOTE: This product forms an emulsion in water and can separate upon prolonged standing. If spray mixture is allowed to stand, agitate it before use to assure uniformity.

**Chemigation:** Do not apply this product through any type of irrigation system.

## Aerial Application:

Unless otherwise specified in the appropriate crop or noncrop directions, apply SABER in 2 to 5 gallons of total solution per acre. NOTE: When mixing SABER with foliar nutrients use a minimum of three gallons of water per acre with aerial equipment.

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**Aircraft Specifications (Fixed Wing or Rotary Wing):** Boom width should not exceed ¼ length of the wing span. Do not exceed 25 psi nozzle pressure. Number of nozzles required to obtain desired volume per acre is dependent on swath width and speed of the aircraft. Avoid using nozzles or nozzle configurations that generate fine droplets. Nozzles should be positioned between 135 and 175 degrees from the direction of flight for fixed wing. DO NOT APPLY THROUGH BECO-MIST NOZZLE SYSTEMS. Maintain aircraft altitude of 8 to 12 feet during application. See spray equipment manufacturer's technical bulletin regarding nozzle and method of application specifications. Mechanical flagging systems such as Automatic Flagman® are suggested to obtain more uniform application. With fixed-wing or helicopter application, an exactly even swath deposition may not be achieved, and consequently crop injury or pesticide nonperformance may result wholly or in part. Do not apply by air during periods of thermal inversion. Avoid application if potential for drift is excessive and/or when susceptible crops are downwind. Automatic Flagman® is a registered trademark of Automatic Flagman/Field Command.

**Ground Application:** Apply in water, in a minimum of 5 gallons total solution per acre, unless otherwise specified in the appropriate crop or noncrop directions, using standard hydraulic nozzles. Use nozzle systems capable of spraying correct gallonage; 25 psi is recommended. Use coarse sprays to minimize potential spray drift. Do not apply with hollow cone nozzles or other nozzles that produce fine spray droplets. Boom sprayers with low volume nozzles are generally most suitable for ground broadcast applications.

**NOTE:** When mixing SABER with foliar nutrients a dilution of ten gallons of water per acre is recommended with ground equipment.

**Ground Band Spray:** Determine band equivalents to broadcast rates and volumes by the following formulas:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast Rate per acre} = \text{Band rate per acre}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast vol. per acre} = \text{Band volume per acre}$$

**Timing of Application May Vary**—Your State Cooperative Extension Service may have specific information on correct application timings, target weeds or restrictions for your area.

## WEED LISTS

SABER will control or partially control the following weeds in addition to many other susceptible noxious plants. Locally resistant biotypes of listed weeds may be suppressed, but tank mixing a herbicide with a different mode and site of action is advisable for such biotypes. Certain weeds, especially deep-rooted perennials and woody varieties, may require repeat applications of SABER for control or suppression. Regrowth of perennials may occur.

### Perennial Broadleaf Weeds

SABER may be used to control:

- |                             |                        |
|-----------------------------|------------------------|
| Artichoke                   | Loco weeds             |
| Asters                      | Marestail              |
| Austrian fieldcress         | Mugwort                |
| Bindweeds                   | Nettles                |
| Blackeyed Susan             | Orange Hawkweed        |
| Blue lettuce                | Povertyweed            |
| Canada Thistle              | Rushes                 |
| Catnip                      | Sowthistle (perennial) |
| Chickweed                   | St. Johnswort          |
| Chicory                     | Stinging Nettles       |
| Clover (many types)         | Strawberry (wild)      |
| Dogbanes                    | Tall Buttercup         |
| Goldenrod                   | Tan Weed               |
| Ground ivy                  | Toadflaxes             |
| Gumweed                     | Vervains               |
| Healall                     | Whitetop (Hoary Cress) |
| Hemlock                     | Wild garlic            |
| Ironweed                    | Wild onion             |
| Knapweeds                   | Wild parsnip           |
| (Spotted, Russian, Diffuse) | Wild sweet potato      |
| Leafy Spurge                | Yellow rocket          |

### Annual and Biennial Weeds

- |             |                |
|-------------|----------------|
| Beggarticks | Knotweeds      |
| Bitterweed  | Lambsquarter   |
| Black medic | Lettuce (wild) |

- |                                   |                       |
|-----------------------------------|-----------------------|
| Broomweeds                        | Madwort               |
| Bull thistle                      | Mallows               |
| Burdocks                          | Marijuana             |
| Carpetweed                        | Marestail (Horseweed) |
| Catchweed bedstraw                | Marshelder            |
| Chickweeds                        | Mediterranean sage    |
| Cirquefoils                       | Miners lettuce        |
| Cockles                           | Morningglory (annual) |
| Cockleburs                        | Musk thistle          |
| Coffweed                          | Mustards              |
| Crotons                           | Parsnip               |
| Dandelions                        | Pennycrest            |
| Devilsclaw                        | Pepperweeds           |
| Docks                             | Pigweed (redroot)     |
| Falseflaxes                       | Plantains             |
| Fleabane (daisy)                  | Prickly lettuce       |
| Flaxweed                          | Primrose              |
| Frenchweed                        | Puncturevine          |
| Galinsoga                         | Radish (wild)         |
| Goatsbeard                        | Ragweeds              |
| Groundsel                         | Russian thistle       |
| Gumweed                           | Salsify               |
| Henbit                            | Scotch thistle        |
| Hoary cress                       | Shepherdspurse        |
| Jewelweed                         | Sneezeweeds           |
| Jimsonweed                        | Sowthistle (common)   |
| Jim Hill Mustard (Tumble mustard) |                       |

## TANK MIXES

Unless otherwise prohibited on this label or the label of an intended tank mix product, SABER may be applied in combination with any herbicide registered for the same crop, timing, and method of application. Observe the most restrictive label statements of various tank mix products used. LIABILITY FOR CROP INJURY RESULTING FROM A TANK MIXTURE NOT SPECIFIED ON THIS LABEL, OR SUPPLEMENTAL LABELING DISTRIBUTED FOR SABER, IS SPECIFICALLY DISCLAIMED BY PLATTE CHEMICAL CO.

## COMPATIBILITY

Before full-scale mixing of this product with other herbicides, and fertilizer solutions, it is advisable to determine the compatibility of the proposed mixture. Use proportionate quantities of each ingredient and mix in a small container. Always mix one product thoroughly with the diluent before adding another product. If no incompatibility is evident after 30 minutes, the mixture is generally compatible for spraying.

## APPLICATIONS

Read all preceding general sections of the label and NOTICE before use. Unless otherwise specified, applications may be made by ground or air equipment. Ground applications may provide more thorough coverage and better weed control. For selective postemergent weed control in crops, do not add oil, surfactant, fertilizer or other additives unless specifically recommended on this label or supplemental labeling distributed for SABER.

### PLANTING IN TREATED AREAS

**Labeled Crops:** Within 29 days following an application of this product, plant only those crops named as use sites on this or other registered 2,4-D labels. Follow more specific limitations, if any, provided in the directions for individual crops. Labeled crops may be at risk for crop injury or loss when planted soon after application, especially in the first 14 days. Degradation factors described below should be considered in weighing this risk.

**Other Crops:** All other crops may be planted 30 or more days following an application without concern for illegal residues in the planted crop. However, under certain conditions, there may be a risk of injury to susceptible crops. Degradation factors described below should be considered in weighing this risk. Under normal conditions, any crop may be planted without risk of injury if at least 90 days of soil temperatures above freezing have elapsed since application.

**Degradation Factors:** When planting into treated areas, the risk of crop injury is less if lower rates of product were applied and conditions following application have included warm, moist soil conditions that favor rapid degradation of 2,4-D. Risk is greater if higher rates of product were applied and soil temperatures have been cold and/or soils have been excessively wet or dry in the days following application. Consult your local Agricultural Extension Service for information about susceptible crops and typical soil conditions in your area.

### CORN (Field, Sweet and Pop):

SABER may be applied to corn at several different timings. In all cases, plant corn to a uniform depth of at least 1½ inches. Avoid applying this product with Accent® SP Herbicide because severe grass control antagonism may occur. SABER should be applied at least 7 days before or 3 days after Accent® SP Herbicide.

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**SABER®**  
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Accent® is a registered trademark of E.I. Du Pont de Nemours & Co., Inc.

**Preplant:** To control existing broadleaf weed seedlings or burn down susceptible cover crops prior to planting, apply SABER from 7 to 14 days before planting. To control grasses and certain other problem weeds, it may be desirable to use a tank mixture with other herbicides. Liquid fertilizers and agriculturally approved surfactants may be added. Observe the most restrictive label statements of various tank mix products used. Use SABER rates according to the following table:

**Corn Preplant Application Rates**

SOIL TEXTURE	RATE PER ACRE**
Fine or medium (silt and clay loams)	½ to 1½ pint
Coarse (sand, sandy loam, loamy sand)	½ to 1 pint**

\*\*Use lower rate under conditions of low organic matter or light, sandy soils. Partial weed control may result on coarse soils due to lower rate. Consult your local Agricultural Extension Service for information about typical soil conditions in your area.

**Preemergence:** To control small broadleaf weeds, apply SABER after planting, but before corn emerges. Liquid fertilizers and agriculturally approved surfactants may be added. Do not apply SABER preemergence if a preplant application of this product was made. Use SABER rates according to the following table:

**CORN PREEMERGENCE APPLICATION RATES**

SOIL TEXTURE	RATE PER ACRE*
Fine or medium (silt and clay loams)	½ to 1½ pint
Coarse* (sand, sandy loam, loamy sand)	½ pint

\*Use lower rate under conditions of low organic matter or light, sandy soils. Partial weed control may result on coarse soils due to lower rate. Consult your local Agricultural Extension Service for information about typical soil conditions in your area.

**CORN: POSTEMERGENCE APPLICATIONS**

**General Information:** Do not apply with liquid fertilizer or oil. Many types of adjuvants will increase risk of crop injury. Where an adjuvant is required because of tank mixing with another herbicide, use the lowest recommended concentration of a nonionic surfactant (often 0.25% vol./vol. or less) to minimize such risk. Treated crop may be brittle and subject to breaking by wind and/or cultivation, especially in the 2 weeks following SABER application.

Apply to emerged corn.

When corn is over 8 inches tall, use drop nozzles to keep spray off corn foliage. Do not apply from 7 to 10 days before tasseling to dough stage. Injury to corn is most likely to occur if applied when corn is growing very rapidly under high temperature and high soil moisture conditions. In such situations, use the low rate of ½ pint per acre. After application, delay cultivation for 8 to 10 days to allow the corn to overcome any temporary brittleness.

**Early Postemergence:** To control small broadleaf weeds, apply SABER broadcast from spike to 4-leaf stage of crop or up to 8 inches tall, whichever comes first. Avoid spraying just after corn leaves unfold. Postemergence application should not follow a preplant or preemergence application by less than 8 weeks. Use SABER rates according to the table below.

**Late Postemergence:** Typical timing for this application is when most broadleaf weeds are no more than 4 to 6 inches tall and corn is between 8 and 16 inches tall. The timing can extend until corn is 36 inches tall or to tasseling, whichever occurs first, but weeds usually become too large and hard to control. Perennial weeds should be in the bud to bloom stage for best results. Apply as a directed spray using drop nozzles to keep spray off crop foliage. Do not apply from 7 to 10 days before tasseling to hard dough stage. Use SABER rates according to the following table:

**CORN POSTEMERGENCE APPLICATION RATES**

Crop Stage	Comments	Rate Per Acre*
Spike to 4-leaf, or up to 8 inches tall	Early Postemergence over-the-top broadcast spray. Ground or aerial application.	½ to 1 pint
8 to 36 inches tall, before tasseling	Late Postemergence directed spray using drop nozzles. Ground application only.	½ to 1 pint Delay cultivation for 8-10 days after application

\*Lowest rates may not provide adequate weed control unless used in a tank mixture with another registered herbicide.

**Preharvest:** After the hard dough (or denting) stage when silks have turned brown, apply ¾ to 2 pints of SABER per acre to suppress perennial weeds such as hemp dogbane or field bindweed, and many tall weeds such as cocklebur, pigweed and sunflower that interfere with harvest. Weed seed production will also be suppressed if SABER application is prior to the flowering stage of weeds. The high rate is recommended under dry conditions.

**NOTE:**

Do not feed corn fodder for 7 days following application. Hybrids may vary in tolerance to 2, 4-D. Some varieties are easily injured. Spray only varieties known to be tolerant to 2, 4-D. Consult with your seed company or your local Agricultural Experiment Station or Extension Specialist for this information.

**Application with Liquid Nitrogen Fertilizer Solutions:**

For control of late season smartweeds, cocklebur, annual morningglory and other broadleaf weeds less than 1 inch high. The field should be as clean as possible and corn 20-30 inches tall. Apply ¾ to 1 pint SABER with 80-120 lbs. Nitrogen per acre. The spray MUST be prepared by first adding the required amount of liquid nitrogen solution to the spray tank. Next dilute ¾ to 1 pint SABER with a minimum of 2 quarts of clean water for each acre to be treated with one tankful. Start the tank agitator and SLOWLY add the diluted 2, 4-D solution. Spray immediately, maintaining continuous agitation until the spray tank is empty. Direct the spray to the lower 3" to 4" of corn stalk. Use spray equipment designated to handle corrosive liquid nitrogen solutions. After spraying remove any remaining solution and rinse spray rig thoroughly with water. Mix only one tank at a time. Do not spray during or immediately following cold weather. THE COMPATIBILITY OF SABER, WATER, AND LIQUID NITROGEN SOLUTIONS SHOULD BE DETERMINED BEFORE COMBINING IN THE SPRAY TANK. The testing can be conducted by mixing all the components in a small container in proportionate quantities. If the mixture separates after standing but can be mixed readily by shaking, then the mixture can be used as long as good agitation is maintained. If large flakes, sludges, gels, or other precipitates form, or if a separate oily layer or oil globules appear, then the herbicide and the liquid fertilizer should not be used in the same spray tank.

**SORGHUM (Milo-Grain): Grain Sorghum Postemergence Applications**

**Early Postemergence:** To control small broadleaf weeds, apply after sorghum is 4 to 8 inches high (usually 14 to 21 days after emergence) and before it is 15 inches tall to the top of the canopy. If sorghum is taller than 8 inches to top of canopy, use drop nozzles to keep spray off crop foliage. Temporary crop injury may be expected under conditions of high soil moisture and high air temperatures. If it is necessary to apply SABER under these conditions, use no more than ½ pint per acre.

**Late Postemergence:** Apply when sorghum is greater than 8 inches high (usually 21 to 50 days after emergence). Use drop nozzles for a directed spray to the inter-row areas only. The broadcast dosage rates must be adjusted for inter-row applications to adjust for the row width covered by the spray pattern. To determine the proper dosage rate, divide the spray band width in inches by the row width in inches. Multiply this fraction times the rate in pints to determine the adjusted rate. (Inter-row dosage rates will be lower than the broadcast dosage rate per acre). Direct the spray beneath the sorghum canopy away from the base of the grain sorghum plants. Minimize the coverage of the sorghum leaves and avoid spray deposits in the whorl. Do not treat during the boot, flowering or early dough stages. Do not forage or feed fodder for 7 days following application.

Use SABER rates according to the following table:

**SORGHUM (Milo) POSTEMERGENCE APPLICATION RATES**

Crop Stage	Comments	Rate Per Acre*
6 to 8 inches tall	Over-the-top broadcast spray. Ground or aerial application.	¾ to 1 pint
8 to 15 inches tall	Directed spray using drop nozzles. Ground application only.	½ to 1 pint

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\*Lowest rates may not provide adequate weed control unless used in a tank mixture with another registered herbicide. Highest rates may have increased risk of injury.

**SORGHUM-SUDAN GRASS HYBRIDS**  
(Forage Crop Only):

Postemergence: To control small broadleaf weeds, apply SABER when Sorghum-Sudan has at least 6 leaves, is well established, and is 5 to 10 inches tall. Do not treat crop over 10 inches tall through maturity.

**SORGHUM-SUDAN GRASS**  
POSTEMERGENCE APPLICATION RATES

Crop Stage	Rate Per Acre
At least 6 leaves, well established, 5 to 10 inches tall	½ to 1 pint

**Plant Response:** Even when SABER is sprayed at the proper stage, some crop injury is likely, including reduced seed production. Hybrids vary in tolerance to 2,4-D. Some varieties are easily injured. Spray only varieties known to be tolerant to 2, 4-D. Consult with the seed company, or your local Agricultural Experiment Station or Extension weed Specialist for this information. If risk of crop injury is unacceptable, do not use this product. The lower rate may reduce the risk of crop injury, but will result in reduced weed control.

**Livestock Feeding Restrictions:** Do not feed fodder for 7 days following application. Do not graze meat animals on treated areas within 3 days before slaughter. Do not graze dairy animals on treated areas within 7 days after application.

**SMALL GRAINS**  
(WHEAT, OATS, BARLEY, RYE)  
NOT UNDERSEEDED WITH A LEGUME:

Apply SABER to small grains as directed below.

SMALL GRAINS	Normal Rate	High Rate*
Spring Postemergence Wheat, barley, rye	¼ to 1½ pt.	1½ to 3 pts.
Spring Postemergence Oats	¾ to 1 pt.	1 to 2 pts.
Preharvest (dough stage) wheat, barley, oats, rye	¾ to 2 pts.	2 to 3 pts.

\*Note: These higher rates may be needed for difficult to control weed problems. However, these higher rates also increase the risk of crop injury. The severity of the weed problem should be balanced against the possibility of crop injury. Do not apply before the tiller stage nor from the boot to dough stage.

**Livestock Feeding Restrictions:** Do not permit dairy animals or meat animals being finished for slaughter to forage or graze treated grain fields within 2 weeks after treatment. Do not feed treated straw to livestock if an emergency and/or preharvest treatment is applied.

**Liquid Nitrogen Fertilizers:** At full tiller, SABER may be combined with liquid nitrogen fertilizers suitable for foliar application to small grains. Refer to MIXING INSTRUCTIONS section of label for further information. Fertilizers can increase foliage contact burn of herbicides. Reducing the fertilizer rate and concentration will reduce the hazard of foliage burn.

**SPRING WHEAT AND BARLEY:**

**Onset of Tillering Stage:** Grains are generally tolerant of these treatments, but risk of crop injury is greater than at full tillering stage. Do not make application if the risk of injury is unacceptable. Apply ¼ to 1 pint of SABER per acre in the spring when grain has 1 or more tillers as well as 3 or more leaves. Do not apply from boot to dough stage.

**Full Tillering Stage:** For these applications, full tillering stage is defined as follows. Grain should have 3 or more tillers and the flag leaf should not be visible. Apply ½ to 1½ pints of SABER per acre when grain is in the full tiller stage (usually 4 to 8 inches tall). Do not apply from boot to dough stage.

**Emergency Weed Control:** Higher rates, up to 3 pints of SABER per acre, may be needed to handle difficult weed problems in certain areas, such as under dry conditions especially in western areas. These higher rates increase the risk of crop injury. The severity of the weed problem should be balanced against the possibility of crop injury. Do not apply before the tiller stage nor from boot to dough stage.

**WINTER WHEAT, BARLEY AND RYE:**

**Onset of Tillering Stage:** Grains are generally tolerant of these treatments, but risk of crop injury is greater than at full tillering stage. Do not make application if the risk of injury is unacceptable. Apply ½ to 1 pint of SABER per acre in the spring when grain has 1 or more tillers as well as 3 or more leaves. Do not apply from boot to dough stage.

**Full Tillering Stage:** For these applications, full tillering stage is defined as follows. Grain should have 3 or more tillers and the flag leaf should not be visible. Apply ½ to 1 pint of SABER per acre when grain is in the full tiller stage (usually 4 to 8 inches tall). Do not apply from boot to dough stage.

**Emergency Weed Control:** For improved control of difficult weeds and heavy weed infestations, apply up to 3 pints of SABER per acre. These higher rates increase the risk of crop injury. The severity of the weed problem should be balanced against the possibility of crop injury. Do not apply before the tiller stage nor from boot to dough stage.

**SPRING SEEDED OATS:**

**Full Tillering Stage:** For these applications, full tillering stage is defined as follows. Grain should have 3 or more tillers and the flag leaf should not be visible. Oats are less tolerant to SABER than wheat or barley and present a greater risk of crop injury. The severity of the weed problem should be balanced against the possibility of crop injury. Larger weeds and hard-to-kill weeds may be poorly controlled, especially under dry conditions. Apply ¾ to 1 pint of SABER per acre when grain is in the full tiller stage as specified above. Do not apply before the tiller stage nor from boot to dough stage. Higher rates, up to 2 pints of SABER per acre, may be needed to handle difficult weed problems in certain areas, such as under dry conditions especially in western areas. These higher rates increase the risk of crop injury. The severity of the weed problem should be balanced against the possibility of crop injury. Do not apply before the tiller stage nor from boot to dough stage.

**Fall Seeded Oats (Southern) Grown for Grain:** Apply ½ to 1 pint of SABER per acre after full tillering, but prior to joints forming in the stem. Do not apply until after full tillering nor from jointing to dough stage. Oats are less tolerant to SABER than wheat or barley and present a greater risk of crop injury. The severity of the weed problem should be balanced against the possibility of crop injury, especially at higher rates. Avoid spraying during or immediately following cold weather.

**Preharvest Treatment**  
(Wheat, Oats, Barley, Rye):

Apply ¾ to 3 pints of SABER per acre when grains are in the hard dough stage to control large weeds that may interfere with harvest. Higher rates may be needed to handle difficult weed problems in certain areas west of the Mississippi River. In tank mixtures with other herbicides registered for preharvest application, a rate of ½ to ¾ pint of SABER per acre may be desired. Best results will be obtained when soil moisture is sufficient to cause succulent weed growth.

Note: Apply when the grain is in the dough stage by air or ground equipment to suppress perennial weeds, decrease weed seed production, and control tall weeds such as cocklebur, dogbane, jimsonweed, ragweed, sunflower, velvetleaf, bindweed or other vines that interfere with harvesting.

**FALLOW LAND:**

Fallow land or land idle between crops may be subject to unwanted weed growth. For control of many annual broadleaf species, apply SABER at the rate of 1½ to 4 pints per acre. To aid in suppressing certain perennial or biennial broadleaf weeds, SABER may be applied at the rate of 3 to 6 pints per acre either alone or in combination with other registered herbicides such as dicamba or picloram. Use the high rate on older plants, drought stressed plants or for hard to kill species such as Canada thistle and field bindweed. See PLANTING IN TREATED AREAS section. Follow more restrictive limitations, if any, for tank mix products used. SABER may be used to kill fall alfalfa stands in preparation for spring planting of row crops under conservation tillage. The treated alfalfa crop cannot be grazed, fed to livestock or cut for hay.

**SOYBEANS—PREPLANT ONLY—FOR USE IN CROP RESIDUE MANAGEMENT SYSTEMS:**

**General Information:**

SABER is a phenoxy-type herbicide that provides postemergence control of many susceptible annual and perennial broadleaf weeds. SABER may be applied prior to planting soybeans to provide foliar burndown control of susceptible annual and perennial broadleaf weeds and certain broadleaf cover crops such as those listed on this label. SABER should only be applied



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preplant to soybeans in situations, such as reduced tillage production systems, where emerged weeds are present. Apply only according to the application instructions given below. Do not use any tillage operations between application of SABER and planting of soybeans.

### Mixing Instructions:

Compatible crop oil concentrates, agricultural surfactants and fluid fertilizers approved for use on growing crops may increase the herbicidal effectiveness of SABER on certain weeds and may be added to the spray tank. Read and follow label directions and precautions on this label and on the label of each product added to the spray mixture.

### Application Procedures:

Apply using air or ground equipment in sufficient gallonage to obtain adequate coverage of weeds. Use 2 to 5 gallons of water per acre in aerial equipment and 10 gallons of water per acre with ground equipment.

### Application Timing and Use Rates

Maximum Rate Per Acre	When To Apply (Days prior to planting soybeans)
1 Pint	Not less than 15 days
2 Pints	Not less than 30 days

### Weeds Controlled

Alfalfa*	Mousetail
Bindweed*	Mustard, wild
Bittercress, smallflowered	Onion, wild*
Bullnettle	Pennycress, field
Buttercup, smallflowered	Peppergrass*
Carolina geranium	Plantains
Cinquefoil, common and rough	Purslane, common
Clover, red*	Ragweed, common
Cocklebur, common	Ragweed, giant
Dandelion*	Shepherdspurse
Dock, curly*	Smartweed, Pennsylvania*
Evening primrose, cutleaf	Sowthistle, annual
Garlic, wild*	Speedwell
Horseweed or Marestalk	Thistle, Canada*
Ironweed	Thistle, bull
Lambsquarters, common	Velvetleaf
Lettuce, prickly	Vetch, hairy*
Morningglory, annual	Virginia copperleaf

\*These species are only partially controlled.

In general, weeds should be small, actively growing and free of stress caused by extremes in climatic conditions, diseases, or insect damage at the time of treatment. The response of individual weeds species to SABER is variable. Consult your local county or state Agricultural Extension Service or crop consultant for advice.

### APPLICATION RESTRICTIONS AND PRECAUTIONS:

**Important Notice:** Unacceptable injury to soybeans planted in fields previously treated with SABER may occur. Whether or not soybean injury occurs and the extent of the injury will depend on weather (temperature and rainfall) from herbicide application until soybean emergence and agronomic factors such as the amount of weed vegetation and previous crop residue present. Injury is more likely under cool rainy conditions and where there is less weed vegetation and crop residue present at the time of application. Do not apply SABER as described on this label unless you are prepared to accept soybean injury, including loss of stand and yield.

Apply a maximum of one application per growing season regardless of the treatment rate.

Do not replant fields treated with SABER in the same growing season with crops other than those labeled for use with SABER. In fields previously treated with SABER, plant soybean seed as deep as practical or at least 1 inch deep. Adjust the planter, if necessary, to ensure that planted seed is completely covered.

Do not apply SABER when weather conditions such as temperature air inversions or wind favor drift from treated areas to susceptible plants.

**Livestock Grazing Restriction:** Do not feed hay, forage or fodder. Restrict livestock from grazing treated fields. Livestock should be restricted from feeding/grazing of treated cover crops.

### GRASS PASTURES:

To control many emerged broadleaf weeds, apply 1½ to 4 pints of SABER per acre. Preferred timing is in the early spring when sufficient weeds have emerged,

and when weeds are small and actively growing, but before weeds are too mature. Summer applications of SABER to older, drought stressed weeds are less effective. However, weeds are more susceptible again in the fall when cooler, wetter conditions support active growth before a killing frost. For fall treatment of mature weeds or perennial weed regrowth, use up to 4 pints of SABER per acre. Several seasons of spring plus fall treatments may be necessary to control certain perennials.

**Plant Response:** Injury may result to bent grass, other warm season or southern grasses, and alfalfa, clover or other legumes. Do not use SABER if this risk of injury is unacceptable. Clovers may recover from early spring applications. Do not apply when grass is in boot to milk stage, or after heading begins, if grass seed production is desired. Do not apply to newly seeded areas until grass is well established. Reseeding is not recommended for at least 30 days following SABER application. Addition of a surfactant may increase the risk of injury to newly seeded grasses.

**Livestock Feeding Restrictions:** Do not graze dairy animals on treated areas within 7 days after application. Do not graze meat animals on treated areas within 3 days before slaughter. Do not cut treated grass for hay within 30 days after application.

### GRASS SEED CROPS:

To control many emerged broadleaf weeds in grass being grown for seed, apply ¾ to 4 pints of SABER per acre in spring or fall. Use on established stands of cool season grass seed crops, such as bluegrass, tall fescue and perennial ryegrass. Make applications in the spring from the tiller to early boot stage. Do not spray from early boot to the milk stage. New spring seedings may be treated after the grasses have more than 5 true leaves, using ½ to 1 pint per acre to control seedling weeds. On established stands that have had the seed crop removed, perennial weed regrowth may be treated in the fall at up to 4 pints of SABER per acre. For best results, apply when soil moisture is adequate for good growth.

**NOTE:** Do not use on bentgrass unless grass injury can be tolerated. Refer to "Plant Response" and "Livestock Feeding Restrictions" under GRASS PASTURES.

### SOD FARMS:

**General Information:** For best results, do not mow turf 1 to 2 days before or after application. Turf watering should be delayed until the day after application. Do not apply SABER to newly seeded areas until grass is well established and has been mowed several times. A period of about 30 days after application is usually a sufficient interval before reseeding. Seeding a small area and observing response is recommended before large scale seeding.

**Cool Season Grasses:** To control many emerged broadleaf weeds in cool season turfgrasses such as tall fescue, bluegrass or perennial ryegrass, apply ½ to 1½ pints of SABER per acre. Apply when weeds are small and are actively growing under good moisture conditions. Not for use on centipede, carpetgrass, St. Augustine, bentgrass or Dichondra turf, or where desirable clovers are present.

### RANGELAND PASTURES AND LAND IN CONSERVATION RESERVE PROGRAM (CRP)

**Livestock Feeding Restrictions:** Do not graze dairy animals on treated areas within 7 days after application. Do not graze meat animals on treated areas within 3 days before slaughter. Do not cut treated grass hay within 30 days after application. For government program grasslands, follow program grazing restrictions if more restrictive than those given above.

**General Information:** SABER can be used to control or suppress a number of susceptible broadleaf weeds in rangeland, or perennial grasslands that are set aside from agricultural use such as in the Conservation Reserve Program (CRP) or similar government programs. Consult program rules to determine whether grass and hay may be used. For best results, apply when broadleaf weeds are small. Adequate moisture is needed for best grass tolerance and weed control.

**Plant Response:** Injury to legumes, bentgrass, and other warm season grasses is likely to occur. Grasses may be discolored following treatment. Do not apply when grass is in boot to milk stage, or after heading begins, if grass seed production is desired.

**New Stands:** Preseeding applications should occur at least 30 days prior to seeding. Newly seeded stands should only be treated after they are well established (more than 5 true leaves) or injury may occur. Apply ½ to 1 pint of SABER per acre when weeds are small and actively growing. Addition of a surfactant may increase the risk of injury to new stands.

**Established Stands:** For best results, weeds must be actively growing. Apply ½ to 1½ pints of SABER per acre for annual weeds and up to 4 pints per acre for biennial or perennial weeds. Treat biennial weeds when they are in the seedling to rosette stage and before flower stalks become apparent. Treat

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perennial weeds in the bud to bloom stage. For brush species in rangeland, apply up to 4 pints of SABER per acre. Repeat applications in the same or subsequent year may be needed to control brush species.

Do not apply more than the equivalent of 4 pints of SABER per acre.

**RICE:**

Apply ¾ to 3 pints of SABER at late tillering, at the time of first joint development (first to second green ring), usually 6 to 9 weeks after emergence. Do not apply after panicle initiation, after rice internodes exceed ½ inch, at early seedling, early panicle, boot, flowering, or early heading growth stages. For difficult to control weeds, use the higher rate of SABER per acre. However, do not use unless possible crop injury is acceptable.

**Note:** Some rice varieties under certain conditions can be injured by 2, 4-D. Therefore, before spraying, consult your local Extension Service or University Specialists for appropriate rates and timing of 2, 4-D sprays.

**SUGARCANE:**

**Preemergence:** Apply 1½ to 2 pints of SABER per acre as a preemergence application in the fall after harvest, or at planting, or in the spring before canes appear.

**Postemergence:** Apply 1½ to 4 pints of SABER per acre as a Postemergence application after cane emerges and through layby (a maximum of two applications before closing).

**Postharvest:** Apply 2 to 4 pints per acre in the fall after harvest or at planting. Do not make more than 4 applications of SABER per season in accordance with State recommendations.

**STONE FRUIT, NUT AND PISTACHIO ORCHARDS:**

For broadleaf weed control in the orchard floor apply 2 to 3 pints of SABER in 20-50 gallons of water per acre with ground equipment, using coarse sprays and low pressure. For band or spot treatment, calculate rates according to the actual portion of an acre treated. Apply as a directed spray onto the weeds to the point of runoff when weeds are young and actively growing (pre-bud to early bud stage). Make up to 2 applications per season as needed. Do not harvest stone fruits within 40 days of application. Do not harvest nuts and pistachios within 60 days of application. **DO NOT ALLOW LIVESTOCK TO GRAZE IN TREATED AREAS OR FEEDING OF COVER CROPS FROM TREATED ORCHARDS TO LIVESTOCK.**

**FILBERTS:**

For sucker control, apply 1½ to 2 pints of SABER in 100 gallons of water per acre with 8 ounces of a nonionic surfactant such as LF-700 or Activator 90, or a similar product. Spray to run-off when suckers are 6 to 9 inches tall. Spray when needed, from April through August. Use large orifice nozzles and low tank pressure (20 to 30 psi) to produce large droplet size. Do not apply more than 4 times per year. Do not harvest filberts within 45 days of last application. **DO NOT ALLOW LIVESTOCK TO GRAZE IN TREATED AREAS OR FEEDING OF COVER CROPS FROM TREATED ORCHARDS TO LIVESTOCK.**

**APPLE AND PEAR ORCHARDS—NON-BEARING Trees (well established, one year or older) and Bearing Trees before and after bloom:**

Apply 3 pints of SABER in 20 to 50 gallons of water per acre with ground equipment, using coarse sprays and low pressure. For band or spot treatment, calculate rates according to the actual portion of an acre treated. Apply as a directed spray onto the weeds to the point of runoff when weeds are young and actively growing (pre-bud to early bud stage). A maximum of 2 applications per season can be made with a minimum retreatment interval of 75 days. Do not harvest fruit within 14 days of last application.

**NOTE:** Do not use on Gala variety apple orchards. Not for use in desert valleys or on shallow or sandy soils.

**IMPORTANT: PRECAUTIONS WHEN APPLYING 2, 4-D IN ORCHARDS**

Apply only after irrigation and allow maximum time before the next irrigation. Do not apply around fruit trees or vines with a hand gun. Use only flood nozzles and low pressures—20 to 30 psi. Use a fixed boom applicator which can be calibrated and which will deposit the spray uniformly. Avoid contact with fruit, foliage, stems or lower limbs of trees or vines as injury may result. **DO NOT** spray bare ground. Apply precisely and uniformly to prevent damage to the trees or vines and to obtain satisfactory weed control. Do not apply during windy periods or extremely high temperatures. Trees must be at least 1 year

old and in vigorous condition before application is made. Do not apply during bloom. Allow maximum time after application and before next irrigation. The preferred time of application is during late autumn after harvest and before frost. **DO NOT GRAZE OR FEED COVER CROPS FROM TREATED ORCHARDS.**

**FOREST MANAGEMENT:**

**Forest Site Preparation:**

**Budbreak Spray:** For control of alder, susceptible broadleaf weeds, and susceptible woody plants before planting forest seedlings, apply 4 to 8 pints of SABER per acre in 5 to 25 gallons of water per acre. SABER may be applied in tank mixes with other herbicides labeled for forestry site preparation. Observe the most restrictive label statements of various tank mix products used. No label rate should be exceeded. Apply after alder buds break, but before foliage is ¼ full size.

**Foliage Spray:** To control alder and susceptible woody plants before planting forest seedlings, apply 4 to 8 pints of SABER per acre in 5 to 25 gallons of water per acre. Use sufficient water to achieve uniform wetting of target brush species. For best results, apply after alder foliage has reached full size. Do not exceed 25 gallons total spray per acre.

**Note:** Do not apply as a stand release or cover spray to established conifers as injury may occur.

**FOREST ROADSIDES:**

To control susceptible broadleaf weeds and woody plants on forest roadsides, apply 1½ to 8 pints of SABER per acre in 5 to 10 gallons of water per acre. Apply as a water spray when sufficient foliage is present for absorption of the herbicide.

**FOREST-TREE INJECTION:**

To control unwanted hardwood trees make injections as near the root collar as possible using one injection per inch of trunk's diameter at breast height. Continuous cuts around the bark often provide improved control. For best results injections should be made during the growing season from May 15 to October 1. Treatments can be made at any season; however, effectiveness may be reduced during winter months. Maples should not be treated during the spring sap flow.

**For concentrate injection:** Use 1 to 2 ml. of concentrate per injection. The injector bit must penetrate the inner bark.

**ROADSIDES; DRAINAGE DITCHBANKS, RIGHTS-OF-WAY, VACANT LOTS; AROUND UTILITY INSTALLATIONS, TRANSFORMERS, PUMP HOUSES, AND BUILDINGS; STORAGE AREAS; FENCES; GUARDRAILS; LUMBER YARDS; INDUSTRIAL SITES; AIRPORTS; TANK FARMS; FARMSTEADS, AND SIMILAR NONCROP AREAS:**

For control of many broadleaf weeds and small woody plants, apply 1½ to 8 pints of SABER per acre. For small broadleaf weeds, use the lower rate. Use the high rate for woody plants and dense stands of brush. Applications may be made as broadcast sprays, small area sprays or spot treatments. For small areas or spot spraying, use 1.0 to 2.5 fluid ounces of SABER per gallon of water and spray weeds to runoff. Regardless of the method of application, use adequate spray volume for full coverage of weeds. Preferred application timing is in the early spring when sufficient weeds have emerged, and when weeds are small and actively growing, but before weeds are too mature. Summer applications of SABER to older, drought stressed weeds are less effective. However, weeds are more susceptible again in the fall when cooler, wetter conditions support active growth before a killing frost. For fall treatment of mature weeds or perennial weed regrowth, use up to 8 pints of SABER per acre. Several seasons of spring plus fall treatments may be necessary to control certain perennials such as Bindweed and Canada Thistle. To effectively control brush, all leaves, stems, and suckers should be thoroughly wetted to the ground. Apply when plants come into full leaf (spring) to the time plants begin to go dormant. Best results are obtained when brush and weeds are young and actively growing. Do not cut brush until the herbicide has translocated throughout the plant causing root death. Use of oil sprays or the addition of spray adjuvants improves weed control, but also increase risk of damage to desirable ground covers.

**LEAFY SPURGE CONTROL IN COLORADO, IDAHO, MINNESOTA, MONTANA, NEBRASKA, NORTH DAKOTA, SOUTH DAKOTA, WASHINGTON, AND WYOMING:**

SABER is recommended for use in combination with TORDON® or BANVEL® for the suppression/control of leafy spurge on industrial noncrop land sites in Colorado, Idaho, Minnesota, Montana, Nebraska, North Dakota, South Dakota, Washington, and Wyoming. Apply 2 to 4 pints of SABER in combination with 2 pints of Tordon or 4 pints of SABER plus 4 pints of Banvel, or 4 pints of SABER plus 4 pint of

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Tordon plus 2 pints of Banvel per acre. Apply with water at 5 to 10 gallons per acre with conventional equipment. Use nozzle systems capable of spraying correct gallonage. A nonionic surfactant such as LI-700®, Activator 90, or similar product may be added at 0.25% by volume (1 quart per 100 gallons of solution) for improved weed control.

Important: Before using SABER, Tordon, and/or Banvel in these combinations, read and carefully observe all precautionary statements and other information appearing on the product labels.

Tordon® is a registered trademark of Dow AgroSciences LLC  
Banvel® is a registered trademark of BASF Corporation  
LI-700® is a registered trademark of Loveland Industries, Inc.

**ORNAMENTAL AND RECREATIONAL TURFGRASSES, LAWNS, GOLF COURSES (FAIRWAYS, APRONS, TEES, AND ROUGHS), PARKS, CEMETERIES:**

General information: Refer to TURF USE REQUIREMENTS in the NON-AGRICULTURAL USE REQUIREMENTS section of this label. The maximum number of broadcast applications per treatment site is 2 per year. Turf watering should be delayed for at least 1 hour after application. Avoid contacting desirable trees, shrubs, flowers, or vegetables as plant injury may result. Do not apply to newly seeded areas until grass is well established and has been mowed several times. A period of 30 days after application is usually a sufficient interval before reseeding grasses (or other plants). Seeding a small area and observing response is recommended before large scale seeding.

**Cool Season Grasses:** To control many emerged broadleaf weeds in cool season turfgrasses such as tall fescue, bluegrass or perennial ryegrass, apply 1 to 4 pints of SABER in 5 to 25 gallons of water per acre. (For spot treatments, use 0.35 to 1.45 fluid ounces of product per gallon of water per 1000 sq. ft.). Preferred application timing for broadcast treatment is in the early spring when small weeds have emerged and are actively growing under good growing conditions. For weedy turf and deep-rooted perennials such as bindweed and Canada thistle, a follow-up broadcast or spot application may be warranted about 2 to 4 weeks later. Summer applications of SABER are typically spot treatments of individual weeds that have emerged after a spring broadcast treatment. Not for use on centipede, carpetgrass, St. Augustine, bentgrass or Dichondra turf, or where desirable clovers are present.

**Plant Response:** Bentgrass, other warm season or southern grasses, and alfalfa, clover or other legumes may be killed or injured. Do not apply when grass is in boot to milk stage, or after heading begins, if grass seed production is desired. Do not apply to newly seeded areas until grass is well established. Reseeding is not recommended for at least 30 days following SABER application.

**NOTICE**

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSLY OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

FORMULATED FOR  
**PLATTE CHEMICAL CO.**

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