

34704-609

12/08/2008

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:

34704-609

Date of Issuance:

8 DEC 2008

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:

SALVO

Name and Address of Registrant (include ZIP Code):

Loveland Products, Inc.  
P.O. Box 1286  
Greeley, CO 80632-1286

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA section 4(g)(2)(C) provided you:

1. Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data
2. Make the following changes to the product labeling.
  1. Change the heading from "Inert Ingredients" to "Other Ingredients".
  2. Add the footnote "Contains petroleum distillates" directly below the ingredients statement.
  3. Revise the second Precautionary Statement to read "Causes moderate eye irritation."
  4. Revise the PPE to read the following:  
"Some materials that are chemical-resistant to this product are made of barrier laminate, nitrile rubber, neoprene rubber or viton. If you want more options, follow the instructions for category E on an EPA chemical-resistance category selection chart."

Continued on Page 2

Signature of Approving Official:

Joanne Miller  
Product Manager 23  
Herbicide Branch  
Registration Division (7505P)

Date:

8 DEC 2008

All mixers, loaders, applicators, flaggers, and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes and socks,
- Chemical-resistant gloves, except for pilots,
- Chemical-resistant apron for mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

See engineering controls for additional requirements.”

5. The mechanical transfer engineering control text (“For containers over 1 gallon... as specified in the WPS.”) is no longer needed and may be deleted from the label.
6. The User Safety Requirements text (“Follow manufacturer’s instructions for cleaning/maintaining PPE... Keep and wash PPE separately from other laundry”) must be removed from the User Safety Recommendations box and should be placed directly below the handler PPE text.
7. Add a “Note to Physician” section below the First Aid statement with the text “Contains petroleum distillate. Vomiting may cause aspiration pneumonia.”
8. Revise the first Environmental Hazards statement to read “This pesticide is toxic to fish and aquatic invertebrates.”
9. Remove the Non-Agricultural Use Requirements text “Use Requirements for Pastures, Perennial Grasslands, Rangeland, Fallow land and NonCrop Areas... or for research purposes, follow Agricultural Use Requirements on this label” and replace with the text “Do not enter or allow people or pets to enter the treated areas until sprays have dried.”
10. Remove the word “chemigation” from the first Spray Drift Management sentence, since this method of application is not allowed for this product.
11. Remove the word “recommended” from the phrases “Lowest recommended rates...” and “the higher recommended rates...” in the first paragraph of General Information.
12. Revise the Preharvest Treatment (Wheat, Oats, Barley, Rye) application rate to reflect the maximum allowable rate of 0.5 lbs ae per acre. The listed rate of “12.8 to **25.6 fluid ounces**” exceeds the maximum and must be revised.
13. Revise the preplant interval in the Soybean Application Timing and Use Rates table to read “Not less than **15 days**”.
14. The Soybean restriction “Apply a maximum of one application per growing season regardless of the treatment rate” contradicts the allowed restriction “Limited to 2 preplant applications per crop cycle.” (at 0.5 lb ae/A) and application directions. The restrictions and application directions must be revised so they are in agreement.

15. Revise the General Restrictions under Roadsides, Medians, Highway...and Similar Noncrop Areas to read the following:

“Postemergence (annual and perennial weeds):

- Limited to 2 applications per year.
- Maximum of 2.0 lbs ae/acre per application.
- Minimum of 30 days between applications.

Postemergence (woody plants):

- Limited to 1 application per year.
- Maximum of 4.0 lbs ae/acre per year.

Applications to non-cropland areas are not applicable to treatment of commercial timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.”

16. Revise the General Restrictions under Ornamental and Recreational Turfgrasses to read the following:

“Postemergence:

- Limited to 2 applications per year.
- Maximum of 1.5 lbs ae/acre per application.
- The maximum seasonal rate is 3.0 lbs ae/acre, excluding spot treatments.

17. Revise the Storage and Disposal statement to read “Do not contaminate water, food, or feed by storage **and** disposal.”, and move the text directly below the main heading.

18. Revise the Container Disposal directions “For packages greater than 56 gallons:” to read “**Triple rinse or pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Fill the container about 1/4 full with water, rinsing down all sides inside the container thoroughly. Recirculate water with the pump for 2 minutes. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.”

19. Add the following statement to the labeling:

“Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01-0132C, (W.D. WA). For further information, please refer to EPA Website: <http://www.epa.gov/espp/litstatus/eslitig.htm>”

The Basic CSF dated 10/17/08, and Alternate CSFs dated 09/26/08 and 10/17/08, are acceptable and supercedes all previous CSFs.

A stamped copy of your labeling is enclosed for your records. Submit one (1) copy of the revised final printed label for the record before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

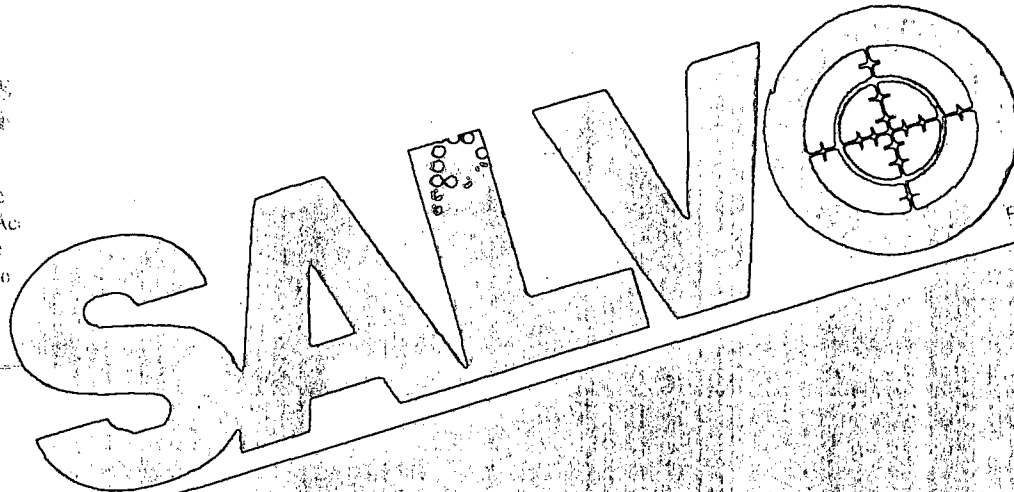
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ACCEPTED  
with COMMENTS  
in EPA Letter Dated

8 DEC 2008

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

34704-609



### POSTEMERGENCE BROADLEAF HERBICIDE

SPECIAL LOW VOLATILE FORMULATION FOR CONTROL OF BROADLEAF WEEDS IN  
CERTAIN CROPS AND NONCROP AREAS

**ACTIVE INGREDIENT:**

Isocetyl (2-ethylhexyl) ester of 2,4-Dichlorophenoxyacetic acid ..... 81.8%

**INERT INGREDIENTS** ..... 18.2%

**TOTAL** ..... 100.0%

\*Equivalent to 54.2% or 5 lbs. per gallon of 2,4-Dichlorophenoxyacetic acid.  
Isomer specific by AOAC Method 6.275, 13th Ed, 1980.

## KEEP OUT OF REACH OF CHILDREN CAUTION

See Below For Additional Precautionary Statements.

EPA REG. NO. 34704-609

NET CONTENTS 2½ GALS. (9.46 L)

EPA EST. NO. 34704-MS-001

INT

EXP 1207

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## CAUTION

CAUTION: Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. 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 E on the EPA chemical resistance category selection chart.

**All mixers, loaders, applicators, flaggers, and other handlers must wear:** long-sleeved shirt and long pants, shoes and socks, plus chemical resistant gloves, when applying postharvest dips or sprays to citrus, applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate, chemical resistant apron when applying postharvest dips or sprays to citrus, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

See engineering controls for additional requirements.

**Engineering Controls:**

Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

**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.

### USER SAFETY RECOMMENDATIONS

Users should:

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

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.

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.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

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**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.

FIRST AID	
If swallowed	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Do not give any liquid to the person.</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>

**EMERGENCY INFORMATION**  
 Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL 1-800-301-7976.**

**ENVIRONMENTAL HAZARDS**  
 This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark except as noted on appropriate labels. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

**Groundwater Contamination:**  
 This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**Nontarget plant precautions:**  
 This herbicide may cause injury to desirable plants by contacting foliage, stems or roots. Use care in all applications to avoid surface water or soil transport to nontarget plant areas. Avoid contamination of irrigation or domestic water supplies. Although this product is a low volatile formulation, at high temperatures (about 85° F. or higher), vapors from this product may injure susceptible plants growing nearby such as cotton, grapes, tobacco, fruit trees, legumes, vegetables, and ornamentals. Avoid applications in the vicinity of susceptible plants or when winds are blowing toward nearby susceptible plants, or when temperature inversions are expected. Avoid direct application or spray drift to 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. Do not apply in greenhouses.

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

**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 12 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 made of any water-proof material, shoes plus socks.

**SPRAY DRIFT MANAGEMENT**  
 A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Droplet Size**  
 When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a Coarse or coarser spray, apply only as a Coarse or coarser spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

**Wind Speed**  
 Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

**Temperature Inversions**  
 If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

**Susceptible Plants**  
 Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

**Other State and Local Requirements**  
 Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

**Equipment**  
 All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

**Additional requirements for aerial applications:** The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications.

When applications are made with a crosswind, the swath will be displaced downwind.

The applicator must compensate for this by adjusting the path of the aircraft upwind.

**Additional requirements for ground boom application:** Do not apply with a nozzle height greater than 4 feet above the crop canopy.

**General Precautions:** 2,4-D esters may volatilize during conditions of low humidity and high temperatures.

Do not apply during conditions of low humidity and high temperatures.

**GENERAL INFORMATION**  
 Best results will be obtained when SALVO 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 SALVO 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 Agricultural Extension Service, agricultural experiment station, university weed specialists, seed companies or other qualified crop advisors for information pertaining to

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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. Certain states have regulations which may affect the use of this product. Contact your state pesticide authority for additional information. Soil residue of this product may temporarily inhibit seed germination and plant growth.

**MIXING INSTRUCTIONS**

SALVO is an emulsifiable concentrate formulation intended for dilution in water for many applications. For certain specified applications, liquid fertilizer or oil 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 SALVO. Refer to mixing directions on tank mix product labels.

For best results, thoroughly clean sprayer immediately after use by flushing system with water and heavy duty detergent such as Loveland Industries, Inc. Tank & Equipment Cleaner.

**Water Spray:** To prepare a water spray mixture, fill clean spray tank about 1/2 to 3/4 full with clean water. Add required amount of SALVO with agitation turned on. Continue agitation while adding balance of water and during spray operations. 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.

**Liquid Fertilizer Spray:** Due to increased risk of crop foliage burn with fertilizer, use only as recommended on this label or supplemental labeling distributed for SALVO. Use fertilizer rate recommended locally. Fill clean spray tank about 1/2 to 3/4 full with liquid nitrogen fertilizer (UAN or urea) solution. Add required amount of SALVO with vigorous agitation running. Continue agitation while adding balance of liquid fertilizer and during spray operations. Application should be made immediately. Overnight storage of mixture is not recommended. Application during very cold (near freezing) temperatures is not advisable because of the likelihood of crop injury. SALVO 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.

**Oil Spray:** Use only as recommended on this label or supplemental labeling distributed for SALVO. Fill clean spray tank about 1/2 to 3/4 full with diesel oil, fuel oil, stove oil or other suitable oil. Add required amount of SALVO with agitation turned on. Continue agitation while adding balance of oil. The resulting mixture is a solution and will generally remain uniform without agitation once mixed. However, agitation is suggested if available. Do not allow any water to get into the spray mixture to avoid formation of an invert emulsion (mayonnaise consistency).

**Water Spray With Oil:** Use only as recommended on this label or supplemental labeling distributed for SALVO. Where a combination of water and oil diluent is recommended, the use of emulsifiable crop oil or crop oil concentrate is suggested since mild agitation will be sufficient. Mix in the sequence of water, SALVO, and oil.

If diesel or other nonemulsified oils listed above under "Oil Spray" are desired for use with water, add no more than 1 quart of such oil per 1 gallon of water and agitate vigorously until tank is emptied. If possible, premix nonemulsified oil with SALVO and add this premix to a mostly filled spray tank with agitation on. Otherwise, mix in the sequence of water, SALVO, and oil with agitation on. Follow these procedures carefully to avoid formation of an invert emulsion (mayonnaise consistency).

**APPLICATION PROCEDURES**

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

**Ground Broadcast Spray:** Unless otherwise specified in the appropriate crop or noncrop directions, apply SALVO in 5 or more gallons of spray solution per acre. 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. Typical crop applications utilize 10 to 50 gallons of spray per acre while certain high volume noncrop applications may utilize more than 100 gallons per acre. 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 flat fan or low volume flood nozzles are generally most suitable for ground broadcast applications.

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

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

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

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

**Aerial Broadcast Spray:** Unless otherwise specified in the appropriate crop or noncrop directions, apply SALVO in 1 to 10 gallons of spray solution per acre. For best coverage and weed control, as well as reduced potential for spray drift, a minimum of 3 gallons per acre is suggested. Avoid using nozzles or nozzle configurations that generate fine droplets. One configuration usually found to be suitable includes straight stream nozzles (such as disk with no swirl plate) directed straight back along the windstream. 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 susceptible crops are growing in the vicinity.

**WEED LISTS**

SALVO 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 SALVO for control or suppression. Regrowth of perennials may occur.

**Weeds Controlled:**

- |                                |  |
|--------------------------------|--|
| Arrowhead                      | Marshelder                                 |
| Artichoke                      | Mexican Weed                               |
| Blue thistle                   | Milk vetch                                 |
| Blueweed, Texas                | Morningglory (annual, common, ivy, woolly) |
| Boxelder                       | Mousetail                                  |
| Bittercress, smallflowered     | Mustards (except blue), prior to bolting   |
| Blue lettuce                   | Pennycress (fanweed)                       |
| Broomweed, common              | Pepperweeds (except perennial)             |
| Bull nettle                    | Plantains                                  |
| Burdock, common                | Poison ivy                                 |
| Burhead                        | Poorjoe                                    |
| Buttercup, smallflowered       | Puncture vine                              |
| Carolina geranium              | Purslane, common                           |
| Carpetweed                     | Quickweed                                  |
| Catnip                         | Ragweeds (common, giant)                   |
| Chickweed                      | Redstem                                    |
| Chicory                        | Rough fleabane                             |
| Cinquefoil, common and rough   | Shepherdspurse                             |
| Cocklebur, common              | Sicklepod                                  |
| Coffeeweed                     | Sneezeweed, bitter                         |
| Cornflower                     | Sowthistle (annual, spiny)                 |
| Creeping jenny                 | Spanishneedles                             |
| Croton (Texas, woolly)         | Speedwell                                  |
| Dogfennel (mayweed)            | Stinkweed                                  |
| Elderberry                     | Sumacs                                     |
| Evening primrose, common       | Sunflower                                  |
| Evening primrose, cutleaf      | Sweetclover (annual)                       |
| Fanweed                        | Tumbleweed                                 |
| Figwort                        | Velvetleaf                                 |
| Four o'clock                   | Vetches, except hairy                      |
| Galinsoga (elderberry, hairy)  | Virginia copperleaf                        |
| Goatsbeard                     | Wild hemp                                  |
| Healall                        | Wild lettuce                               |
| Horsetail                      | Wild mustard                               |
| Ironweed                       | Wild parsnip                               |
| Jerusalem artichoke            | Wild radish                                |
| Jewelweed                      | Wild rape                                  |
| Jimsonweed                     | Wild sweet potato                          |
| Klamathweed                    | Willow                                     |
| Ladysthumb                     | Witchweed                                  |
| Lambsquarters, common          | Wormwood                                   |
| Loco, Bigbend                  | Yellow goatsbeard                          |
| Mallow (Venice, dwarf, little) | Yellow rocket                              |
| Marestail                      | Yellow starthistle                         |

**Weeds Partially Controlled (Higher rates and/or repeated applications may be needed):**

- |                             |                           |
|-----------------------------|---------------------------|
| Allalla                     | Manzanita                 |
| Asters                      | Musk thistle              |
| Beggarticks                 | Nettles                   |
| Bindweeds (hedge, European) | Peppergrass               |
| Buckbrush                   | Prickly lettuce           |
| Bull thistle                | Rabbitbrush               |
| Canada thistle              | Russian thistle           |
| Chamise                     | Sage, coastal             |
| Clover, red                 | Sagebrush (big, sand)     |
| Corn gromwell               | Salsify (western, common) |
| Coyotebrush                 | Sand shinnery oak         |
| Dandelion                   | Smartweed, annual         |
| Docks                       | Smartweed, Pennsylvania   |
| Dogbanes                    | Tansyragwort              |
| Goldenrod                   | Vervains                  |
| Ground ivy                  | Vetch, hairy              |
| Hawkweed                    | Western ironweed          |
| Henbit                      | Wild carrot               |
| Hoary cress                 | Wild garlic               |
| Knotweed                    | Wild onion                |

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**Weeds Partially Controlled And For Which Locally Resistant Biotypes May Occur:**  
Pigweed

**Weeds Suppressed When Another Labeled Herbicide Is Also Applied:**  
Bindweed (field)  
Russian knapweed

**TANK MIXES**

Unless otherwise prohibited on this label or the label of an intended tank mix product, SALVO 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 SALVO, IS SPECIFICALLY DISCLAIMED BY LOVELAND PRODUCTS INC.

**COMPATIBILITY**

Before full-scale mixing of this product with other herbicides, fertilizer solutions and adjuvants, 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.

**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.

**APPLICATIONS**

Read all preceding general sections of 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 SALVO.

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

**General restrictions**

**Field and pop:**

Do not use treated crop as fodder for 7 days following application. The preharvest interval (PHI) is 7 days. Do not exceed a maximum of 3 lbs ae/acre per crop cycle.

**Preplant or preemergence:** Limited to one preplant or preemergence application per crop cycle. Maximum of 1.0 lb ae/acre per application.

**Postemergence:** Limited to one postemergence application per crop cycle. Maximum of 0.5 lb ae/acre per application.

**Preharvest:** Limited to one preharvest application per crop cycle. Maximum of 1.5 lbs ae/acre per application.

**Sweet Corn:**

Do not use treated crop as fodder for 7 days following application.

The preharvest interval (PHI) is 45 days.

Observe a minimum of 21 days between applications.

Do not exceed a maximum of 1.5 lbs ae/acre per crop cycle.

**Preplant or preemergence:** Limited to one preplant or preemergence application per crop cycle. Maximum of 1.0 lb ae/acre per application.

**Postemergence:** Limited to one postemergence application per crop cycle.

Maximum of 0.5 lb ae/acre per application.

SALVO 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. SALVO should be applied at least 7 days before or 3 days after Accent SP Herbicide.

**Preplant:** To control existing broadleaf weed seedlings or burn down susceptible cover crops prior to planting, apply SALVO 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 used. Observe the most restrictive label statements of various tank mix products used. Use SALVO rates according to the following table:

**CORN PREPLANT APPLICATION RATES**

Soil Texture	Organic Matter	Rate Per Acre
Fine or medium (silt and clay loams)	Less than 1%	Do not apply.
	1% or more	6.4 to 19.2 fluid ounces (.25 to .75 lb ae)
Coarse (sand, sandy loam, loamy sand)	Less than 2%	Do not apply.
	2% or more	6.4 to 12.8 fluid ounces (.25 to .5 lb ae)

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

**CORN PREEMERGENCE APPLICATION RATES**

Soil Texture	Organic Matter	Rate Per Acre
Fine or medium (silt and clay loams)	Less than 1%	Do not apply.
	1% or more	6.4 to 16 fluid ounces (.25 to .5 lb ae)
Coarse* (sand, sandy loam, loamy sand)	Less than 2%	Do not apply.
	2% or more	6.4 fluid ounces (.25 lb ae)

\*Partial weed control may result on coarse soils due to lower rate.

**Postemergence:**

**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 SALVO application.

**Early Postemergence:** To control small broadleaf weeds, apply SALVO 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 3 weeks. Use SALVO 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 SALVO 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.	3.2 to 9.6 fluid ounces (.125 to .37 lb ae)
8 to 36 inches tall, before tasseling	Late postemergence directed spray using drop nozzles. Ground application only.	4.8 to 9.6 fluid ounces (.18 to .37 lb ae)

\*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 12.8 to 25.6 fluid ounces of SALVO per acre (.5 to 1 lb ae/A) 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 SALVO application is prior to the flowering stage of weeds. For field and sweet corn grown for seed, apply after silks have turned brown. Use the labeled rate of 12.8 to 25.6 fluid ounces of Salvo per acre. The high rate is recommended under dry conditions. Do not forage or feed corn fodder for 7 days following application.

**NOTE:** Hybrid varieties may vary in tolerance to 2,4-D. Some varieties are easily injured. Your local seed company, or Agricultural Experiment Station or Extension Specialist may provide additional information.

**Postharvest:** Following the harvest of corn, certain perennial or biennial weeds produce new fall growth. To aid in suppressing these weeds before a hard freeze, SALVO may be applied at the rate of 12.8 to 25.6 fluid ounces per acre (.5 to 1 lb ae/A) either alone or in combination with other registered herbicides such as certain formulations of dicamba and picloram. See PLANTING IN TREATED AREAS section. Follow more restrictive limitations, if any, for tank mix products used.

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**SORGHUM (Milo-Grain):**

**General Restrictions:**

The preharvest interval (PHI) is 30 days. Do not permit meat or dairy animals to consume treated crop as fodder or forage for 30 days following application.

**Postemergence:** Limited to 1 application per crop cycle. Do not exceed a maximum of 0.5 lb ae/acre per application.

**Postemergence:** To control small broadleaf weeds, apply when sorghum is 6 to 15 inches tall to top of canopy. **If sorghum is taller than 8 inches to top of canopy, use drop nozzles to keep spray off crop foliage.** Do not treat during the boot, flowering or early dough stages. Do not forage or feed fodder for 7 days following application. Use SALVO 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.	3.2 to 9.6 fluid ounces (.125 to .37 lb ae)
8 to 15 inches tall	Directed spray using drop nozzles. Ground application only.	4.8 to 9.6 fluid ounces (.18 to .37 lb ae)

\*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 SALVO 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.

**Plant Response:** Even when SALVO is sprayed at the proper stage, some crop injury is likely, including reduced seed production. 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 permit meat or dairy animals to consume treated crop as fodder or forage for 30 days following application.

**SORGHUM-SUDAN GRASS POSTEMERGENCE  
APPLICATION RATES**

Crop Stage	Rate Per Acre
At least 6 leaves, well established, 5 to 10 inches tall	6.4 to 12.8 fluid ounces (.25 to .5 lb ae)

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

**General Restrictions:**

The preharvest interval (PHI) is 14 days. Limited to 1.75 lbs ae/acre per crop cycle.

**Postemergence:** Limited to one postemergence application per crop cycle. Do not exceed a maximum of 1.25 lbs ae/acre per application.

**Preharvest:** Limited to one preharvest application per crop cycle. Do not exceed a maximum of 0.5 lbs ae/acre per application.

Apply SALVO to small grains as directed below.

**Livestock Feeding Restrictions:** Do not permit dairy animals or meat animals being finished for slaughter to forage or graze treated grain fields within 7 days after treatment. Do not feed treated straw to livestock if an emergency and/or preharvest treatment is applied.

**Liquid Nitrogen Fertilizers:** At full tiller, SALVO 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 Tilling 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 6.4 to 9.6 fluid ounces of SALVO per acre (.25 to .37 lb ae/A) 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.

Apply 6.4 to 12.8 fluid ounces of SALVO per acre (.25 to .5 lb ae/A) 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 25.6 fluid ounces of SALVO per acre, (1 lb ae/A) 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 Tilling 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 6.4 to 12.8 fluid ounce ALVO per acre (.25 to .5 lb ae/A) 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 6.4 to 12.8 fluid ounces of SALVO per acre (.25 to .5 lb ae/A) 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 25.6 fluid ounces of SALVO per acre (1 lb ae/A). 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 SALVO 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 6.4 fluid ounces of SALVO per acre (.25 lb ae/A) when grain is in the full tiller stage as specified above. Do not apply before the tiller stage nor from boot to dough stage.

**Fall Seeded Oats (Southern) Grown for Grain:**

Apply 6.4 to 12.8 fluid ounces of SALVO per acre (.25 to .5 lb ae/A) 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 SALVO 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 12.8 to 25.6 fluid ounces of SALVO per acre (.5 to 1 lb ae/A) when grains are in the hard dough stage to control large weeds that may interfere with harvest. In tank mixtures with other herbicides registered for preharvest application, a rate of 6.4 to 9.6 fluid ounces per acre (.25 to .37 lb ae/A) may be desired. Best results will be obtained when soil moisture is sufficient to cause succulent weed growth. Addition of a nonionic surfactant such as LI-7000®, Activator 90, or similar product usually improves weed control.

**Postharvest (Wheat, Oats, Barley, Rye):**

Following harvest, a flush of new weed growth may occur. For control of many annual broadleaf species, apply SALVO at up to 12.8 fluid ounces per acre (.5 lb ae/A). Also, certain perennial or biennial weeds may produce new fall growth in stubble grain fields. To aid in suppressing these weeds, SALVO may be applied at the rate of 12.8 to 25.6 fluid ounces per acre (.5 to 1 lb ae/A) either alone or in combination with other registered herbicides such as dicamba or picloram. See PLANTING IN TREATED AREAS section. Follow more restrictive limitations, if any, for tank mix products used.

**FALLOW LAND AND CROP STUBBLE:**

**General Restrictions:**

Plant only labeled crops within 29 days following application. Limited to 2 applications per year.

Use a maximum of 2.0 lbs ae/acre per application. Wait a minimum of 30 days between applications.

Fallow land or land idle between crops may be subject to unwanted weed growth. For control of many annual broadleaf species, apply SALVO at the rate of 6.4 to 12.8 fluid ounces per acre (.25 to .5 lb ae/A). To aid in suppressing certain perennial or biennial broadleaf weeds, SALVO may be applied at the rate of 12.8 to 25.6 fluid ounces per acre (.5 to 1 lb ae/A). Use the high rate on older plants, drought stressed plants or for hard to kill species. See PLANTING IN TREATED AREAS section. Follow more restrictive limitations, if any, for tank mix products used. SALVO 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:**

SALVO is a phenoxy-type herbicide that provides postemergence control of many susceptible annual and perennial broadleaf weeds. SALVO 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. SALVO should only be applied 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 SALVO and planting of soybeans.

**General Restrictions:**

The maximum rate per crop cycle is 1.0 lb ae/acre.

**Preplant:** Limited to 2 preplant applications per crop cycle. Maximum of 0.5 lb ae/acre per preplant application. Apply not less than 7 days prior to planting soybeans.

or  
**Preplant:** Limited to 1 application per crop cycle. Maximum of 1.0 ae/acre per preplant application.

**Apply not less than 15 days prior to planting soybeans.**



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**Mixing Instructions:**

Compatible crop oil concentrates, agricultural surfactants and fluid fertilizers approved for use on growing crops may increase the herbicidal effectiveness of SALVO 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 or more gallons of water per acre in aerial equipment and 10 or more gallons of spray mixture per acre for ground equipment.

**Application Timing and Use Rates**

Maximum Rate Per Acre	When To Apply (Days prior to planting soybeans)
12.8 fl. ozs. (.5 lb ae)	Not less than 7 days
25.6 fl. ozs. (1 lb ae)	Not less than 14 days

**Weeds Controlled**

Alfalfa*	Mustard, wild
Bindweed*	Onion, wild
Bittercress, smallflowered	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 Marestail	Thistle, Canada
Ironweed	Thistle, bull
Lambsquarters, common	Velvetleaf
Lettuce, prickly	Vetch, hairy*
Morningglory, annual	Virginia copperleaf
Mousetail	

\*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 SALVO 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 SALVO 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 SALVO as described on this label unless you are prepared to accept soybean injury, including stand and yield.

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

Do not use on sandy soils with less than 1% organic matter.

Do not replant fields treated with SALVO in the same growing season with crops other than those labeled for use with SALVO.

Do not apply SALVO 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.

In fields previously treated with SALVO, 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.

**GRASS PASTURES:**

**General Restrictions:**

**Postemergence:** For susceptible annual and biennial broadleaf weeds: Use 1.0 lbs ae/acre per application. For moderately susceptible biennial and perennial broadleaf weeds: Use 1.0 to 2.0 lbs ae/acre per application. For difficult to control weeds and woody plants: Use 2.0 lbs ae/acre per application.

**Spot treatment:** Use 2.0 lbs ae/acre.

Maximum of two applications per year. Maximum of 4.0 lbs ae/acre per year.

Wait a minimum of 30 days between applications.

If grass is to be cut for hay, Agricultural Use Requirements for the Worker Protection Standard are applicable.

To control many emerged broadleaf weeds, apply 6.4 to 19.2 fluid ounces of SALVO per acre (.25 to .75 lb ae/A). Addition of a nonionic surfactant such as LI-700, Activator 90, or similar product usually improves weed control. 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 SALVO 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 regrowth, use up to 25.6 fluid ounces of SALVO per acre. Several seasons of spring plus fall treatments may be necessary to control certain perennials.

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**Plant Response:** Injury may result to bentgrass, other warm season or southern grasses, and alfalfa, clover or other legumes. Do not use SALVO 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 SALVO application. Addition of a surfactant may increase the risk of injury to newly seeded grasses.

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

**GRASS SEED CROPS:**

**General Restrictions:** Limited to 2 applications per year. Maximum of 2.0 lbs ae/acre per application. Minimum of 21 days between applications.

To control many emerged broadleaf weeds, apply 6.4 to 19.2 fluid ounces of SALVO per acre (.25 to .75 lb ae/A). 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 in boot stage. New spring seedlings may be treated after the grasses have more than 5 true leaves. On established stands that have had the seed crop removed, perennial weed regrowth may be treated in the fall at up to 25.6 fluid ounces of SALVO (1 lb ae) per acre. Refer to "Plant Response" and "Livestock Feeding Restrictions" under GRASS PASTURES.

**SOD FARMS:**

**General Restrictions:** Limited to 2 applications per year. Maximum of 2.0 lbs ae/acre per application. Minimum of 21 days between applications.

**General:** 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 SALVO 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 6.4 to 19.2 fluid ounces of SALVO per acre (.25 to .75 lb ae/A). 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 PERENNIAL GRASSLANDS NOT IN AGRICULTURAL PRODUCTION:**

**General Restrictions:**

**Postemergence:** For susceptible annual and biennial broadleaf weeds: Use 1.0 lbs ae/acre per application. For moderately susceptible biennial and perennial broadleaf weeds: Use 1.0 to 2.0 lbs ae/acre per application. For difficult to control weeds and woody plants: Use 2.0 lbs ae/acre per application.

**Spot treatment:** Use 2.0 lbs ae/acre.

Maximum of two applications per year. Maximum of 4.0 lbs ae/acre per year.

Wait a minimum of 30 days between applications.

If grass is to be cut for hay, Agricultural Use Requirements for the Worker Protection Standard are applicable.

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

**General:** SALVO 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. Addition of a nonionic surfactant such as LI-700, Activator 90, or similar product usually improves 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 6.4 to 12.8 fluid ounces of SALVO per acre (.25 to .5 lb ae/A) 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 12.8 to 19.2 fluid ounces of SALVO per acre (.5 to .75 lb ae/A) for annual weeds and up to 25.6 fluid ounces per acre (1 lb ae/A) for biennial or perennial weeds. Treat biennial weeds when they are in the seedling to rosette stage and before flower stalks become apparent. Treat perennial weeds in the bud to bloom stage. For brush species in rangeland, apply up to 51.2 fluid ounces of SALVO

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per acre (2 lb ae/A) in an oil spray (see MIXING INSTRUCTIONS). Another option is to add 1 gallon of oil per acre to a SALVO water spray (see MIXING INSTRUCTIONS). Repeat applications in the same or subsequent year may be needed to control brush species.

**FOREST MANAGEMENT:**

**General Restrictions:**

**Broadcast application:** Limited to 1 broadcast application per year.

Maximum of 4.0 lbs ae/acre per broadcast application.

**Basal spray, Cut Surface - Stumps, and Frill:** Limit of one basal spray or cut surface application per year. Maximum of 8.0 lbs ae per 100 gallons of spray solution.

**Injection:** Limit to one injection application per year. Maximum of 2 ml of 4.0 lbs ae formulation per injection site.

**Forest Site Preparation:**

**Budbreak Spray:** For control of alder, susceptible broadleaf weeds, and susceptible woody plants before planting forest seedlings, apply up to 96 fluid ounces of SALVO per acre (3.7 lb ae/A) in a minimum of 10 gallons spray mixture per acre. Apply as a water spray (see MIXING DIRECTIONS) after alder buds break, but before foliage is 1/4 full size. A water spray including 2 to 4 quarts per acre of diesel oil, fuel oil, stove oil or crop oil concentrate may also be used.

**Foliage Spray:** To control alder and susceptible woody plants before planting forest seedlings, apply up to 96 fluid ounces (3.75 lb ae) of SALVO per acre in a minimum of 10 gallons spray mixture per acre. Apply as a water spray including, if desired, up to 1 quart of diesel oil, fuel oil, stove oil or crop oil concentrate per gallon of water (see MIXING INSTRUCTIONS). For best results, apply after alder foliage has reached full size.

**Conifer Release:**

To control alder, susceptible broadleaf weeds, and susceptible woody plants in young conifer stands, apply up to 51.2 fluid ounces (2 lb ae) of SALVO per acre in a minimum of 10 gallons spray mixture per acre. This spring foliage treatment should be applied as a water spray when 3/4 of the brush foliage has full size leaves and before new conifer growth reaches 2 inches in length. Such stages usually occur between early May and mid-June, but application timing should be based on growth stages of brush and conifers. Application may cause leader deformation or other conifer injury, but trees should overcome it during the next growing season.

To control Tan oak, madrone, ceanothus, canyon live oak, and manzanita, and to release Douglas fir, hemlock, Sitka spruce or grand fir, apply up to 76.8 fluid ounces of SALVO per acre (3 lb ae/A) in a minimum of 10 gallons spray mixture per acre. This spring foliage treatment should be applied as a water spray including, if desired, up to 1 quart of diesel oil, fuel oil, stove oil or crop oil concentrate per gallon of water (see MIXING INSTRUCTIONS). Make application before new growth on Douglas fir is 2 inches long. To release ponderosa pine from the same species, treat before new pine growth begins in the spring. Addition of oil or oil concentrate may cause unacceptable injury to pines.

For dormant applications in late winter or early spring for control of susceptible woody species such as alder, willow, poplars, cherry, vine maple, ceanothus, Tan oak, madrone, and manzanita, apply up to 76.8 fluid ounces (3 lb ae) of SALVO per acre in a minimum of 10 gallons spray mixture per acre. This dormant treatment should be applied in diesel oil, fuel oil, stove oil or other suitable diluent such as water plus crop oil concentrate (see MIXING INSTRUCTIONS). Do not use in plantations where pine and larch are among the desired crop species.

To control hazel brush in the Lake states, apply up to 51.2 fluid ounces of SALVO (2 lb ae) per acre in a minimum of 10 gallons spray mixture per acre. Apply as a water spray when new shoot growth of hazel is complete (usually mid-July).

After conifer species such as white pine, ponderosa pine, jack pine, red pine, black spruce, white spruce, red spruce, and balsam fir cease growth and harden off and brush is still actively growing in late summer, apply up to 74 fluid ounces of SALVO (2.9 lb ae) per acre in a minimum of 10 gallons spray mixture per acre. Apply as a water spray to control certain competing hardwoods such as alder, aspen, birch, hazel and willow. Since this treatment may cause conifer injury, do not use if possible injury cannot be tolerated.

**Forest Roadsides:**

To control susceptible broadleaf weeds and woody plants on forest roadsides, apply 25.6 to 76.8 fluid ounces of SALVO per acre (1 to 3 lb ae/A) in a minimum of 10 gallons spray mixture per acre. Apply as a water spray including, if desired, up to 3 quarts per acre of diesel oil, fuel oil, stove oil or crop oil concentrate (see MIXING INSTRUCTIONS). Apply when sufficient foliage is present for absorption of herbicide.

**Established Conifers (Including Christmas Trees):**

**Directed Spray or Spot Spray:**

To control susceptible broadleaf weeds, mix up to 51.2 fluid ounces (2 lb ae) of SALVO per 100 gallons of water and apply to emerged weeds in the spring with ground equipment. Avoid contacting conifer foliage with spray or drift as injury may result. For brush, mix 96 fluid ounces (3.75 lb ae) of SALVO per 100 gallons of water. Thoroughly spray brush in full foliage, but avoid contacting conifer foliage with spray or drift. Do not apply more than the equivalent of 96 fluid ounces of SALVO per acre.

**Over-the-Top Broadcast Applic:**

To control susceptible broadleaf weeds, apply 25.6 fluid ounces of SALVO per acre (1 lb ae) in a minimum of 10 gallons spray mixture per acre. To decrease the potential for injury to firs, apply only before budbreak in the spring and/or after complete bud set and hardening in the late summer or fall. Avoid treatment during the year of intended harvest.

**ROADSIDES; MEDIANS; HIGHWAY, RAILROAD, UTILITY, AND PIPELINE 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:**

**General Restrictions:**

**Broadcast application:** Limited to 1 broadcast application per year.

Maximum of 4.0 lbs ae/acre per broadcast application.

**Basal spray, Cut Surface - Stumps, and Frill:** Limit of one basal spray or cut surface application per year. Maximum of 8.0 lbs ae per 100 gallons of spray solution.

**Injection:** Limit to one injection application per year. Maximum of 2 ml of 4.0 lbs ae formulation per injection site.

For control of many broadleaf weeds and small woody plants, apply 12.8 to 51.2 fluid ounces of SALVO per acre (.5 to 2 lb ae/A). Use the high rate for woody plants. Applications may be as broadcast sprays, small area sprays or spot treatments. For small areas or spot spraying, use 3.2 fluid ounces of SALVO 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 SALVO 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 25.6 fluid ounces of SALVO per acre (1 lb ae/A). Several seasons of spring plus fall treatments may be necessary to control certain perennials. Use of oil sprays or the addition of spray adjuvants improves weed control, but also increases risk of damage to desirable ground covers.

**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 SALVO application.

**ORNAMENTAL AND RECREATIONAL TURFGRASSES, LAWNS, GOLF COURSES (Fairways, Aprons, Tees and Roughs), PARKS, CEMETERIES:**

**General Restrictions:** Limited to 2 applications per year. Maximum of 2.0 lbs ae/acre per application. Minimum of 21 days between applications.

**General:** 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. For best results, do not mow turf 1 to 2 days before or after application. 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 about 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 12.8 to 19.2 fluid ounces of SALVO per acre (.5 to .75 lb ae/A) (0.3 to 0.44 fluid ounces per 1000 square feet). Preferred application timing for broadcast treatment is in the early spring when small weeds have emerged and are actively growing under good moisture conditions. For very weedy turf, a followup broadcast or spot application may be warranted about 2 to 4 weeks later. Summer applications of SALVO are typically spot treatments of individual weeds that have emerged after a spring broadcast treatment. In the fall when cooler, wetter conditions again favor active weed growth, broadcast application may be appropriate for very weedy turf, such as an area that had no spring broadcast treatment. Not for use on centipede, carpetgrass, St. Augustine, bentgrass or Dichondra turf, or where desirable clovers are present.

**STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Avoid contamination of fertilizers, seeds, plants, insecticides, and fungicides in storage. It is preferable to store all pesticides in a locked area. Containers with screw caps should be closed tightly 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. If this product is stored below freezing, it is suggested that it be allowed to warm to at least 40° F. and be agitated before use.

**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.

**Storage and Disposal cont'd.:**

**CONTAINER DISPOSAL:**

**Nonrefillable container:** Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact The Agricultural Container Recycling Council (ACRC) at [www.acrcycle.org](http://www.acrcycle.org).

Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

**For packages up to 5 gallons. Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**For packages greater than 5 gallons and less than 56 gallons: Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**For packages greater than 56 gallons:** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**For refillable containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

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