

71368-11

2/17/2000

Page 1 of 11



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

FEB 17 2000

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Mr. William M. Mahlburg  
Nufarm, Inc.  
1009-D West St. Maartens dr.  
St. Joseph, MO 64506

Dear Mr. Mahlburg:

Subject: Label Amendment Extending 2,4-D Use in Reduced or No-Tillage Soybeans  
(Pre-plant Only)  
Weedone Lo Vol 6 Broadleaf Herbicide  
EPA Reg. No. 71368-11  
Your Application Dated October 23, 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 March 15, 1996. 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

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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.

- 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 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



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ACCEPTED  
with COMMENTS  
In EPA Letter Dated

FEB 17 2000

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
71368-11

# Weedone<sup>®</sup> LoVol 6 Broadleaf Herbicide

Weed And Brush Control in Small Grains, Field Corn, Rangeland, Pastures, Roadsides And Fencerows

**ACTIVE INGREDIENT:**

2,4-Dichlorophenoxyacetic acid, isooctyl ester\* ..... 86.6%

**INERT INGREDIENTS:** ..... 13.4%

100.0%

\*2,4-Dichlorophenoxyacetic acid equivalent 57.5% by weight or 5.4 lbs./gal. Isomer specific by AOAC method No. 978.05

EPA Reg. No. 71368-11

EPA Est. No. 71368-MO-1

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**  
See Inside for Additional Precautionary Statements

For Chemical Spill, Leak, Fire, or Exposure, call CHEMTREC (800) 424-9300

NET CONTENTS: 2.5 GALLONS (9.46L)

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention, preferably an ophthalmologist.

**IF SWALLOWED:** If patient is conscious and alert, give 2 to 3 glasses of water to drink. Do not induce vomiting. Get medical attention.

**IF ON SKIN:** Immediately wash skin with plenty of soap and water, if available.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration. Administer oxygen if necessary. Get medical attention.

**NOTE TO PHYSICIAN:** No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

This product contains petroleum distillates. If large amounts (greater than 1 mL/kg body weight) of this product have been ingested, the stomach should be evacuated by gastric intubation with the aid of a cuffed endotracheal tube to prevent aspiration of petroleum distillates. After removal of stomach contents, wash stomach by instilling 30 to 50 grams of activated charcoal in 3 to 4 ounces of water through the stomach tube and again remove stomach contents. Avoid oily laxatives.

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

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid breathing vapors or spray mist. Do not get in eyes, on skin or on clothing.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eye wear. Follow manufacturer's instructions for cleaning/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.

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

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

**For containers of 5 gallons or more,** a mechanical system (probe and pump) must be used for transferring the contents of the container. If the contents of a non-refillable pesticide containers 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 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

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non-target plants. Do not apply directly to water, 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.

Do not apply when weather conditions favor drift from treated areas. Do not use the same spray equipment for other purposes unless thoroughly cleaned.

Do not contaminate water used for irrigation or domestic purposes.

Do not apply WEEDONE® Lo Vol 6 Broadleaf Herbicide directly to, or permit spray mist to drift onto cotton, okra, grapes, tomatoes, fruit trees, vegetables, flowers or other desirable crop or ornamental plants which are susceptible to 2,4-D herbicide. Do not apply near susceptible plants since very small quantities of the 2,4-D will cause severe injury during the growing or dormant periods. Crops contacted by WEEDONE® Lo Vol 6 Broadleaf Herbicide sprays or spray drift may be killed or suffer significant stand loss with extensive quality and yield reduction.

Do not apply when a temperature air 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 an application.

Use coarse sprays to minimize drift. Do not apply with hollow cone type insecticide or other nozzles that produce fine spray droplets.

**Drift from aerial or ground application may be reduced by:** (1) applying as near to the target as possible in order to obtain coverage; (2) by increasing the volume of spray mix per acre; (3) by decreasing the pounds of pressure at the nozzle tips; (4) by using nozzles which produce a coarse spray pattern; (5) by not applying when wind is blowing toward susceptible valuable plants.

At high air or ground surface temperatures, vapors from this product may injure susceptible plants.

**MIXING AND LOADING:** Most cases of ground water 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 ground water 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 ground water contamination.

### DIRECTIONS FOR USE

It is A Violation of Federal Law To Use This Product In A Manner Inconsistent With Its Labeling. Read entire label before using this label.

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 you: 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 specified 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 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, waterproof gloves, shoes plus socks and protective eye wear.

### STORAGE AND DISPOSAL

**STORAGE:** Do not contaminate water, food or feed by storage or disposal. Store in original container in a dry, secured storage area. Keep container tightly closed when not in 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 ground water. 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:** Triple rinse or equivalent. 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.

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### GENERAL CAUTIONS AND RESTRICTIONS

Do not apply WEEDONE® Lo Vol 6 Broadleaf Herbicide through any type of irrigation system.  
Do not use in or near a greenhouse.

### MIXING INSTRUCTIONS

Add 1/2 the required amount of water to the spray tank, then add the WEEDONE® Lo Vol 6 Broadleaf Herbicide with agitation, and finally, the balance of the water with continued agitation. This material forms an emulsion in water, not a solution. This tends to separate on standing. Provide agitation to prevent such separation and insure uniform spray mixtures.

### COMPATIBILITY

If WEEDONE® Lo Vol 6 Broadleaf Herbicide is to be tank mixed with fertilizers or with other pesticides, compatibility should be tested prior to mixing. To test for compatibility, use a small container and mix a small amount (0.5 to 1 quart) of spray, combining all ingredients in the same ratio as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually will appear within 5 to 15 minutes after mixing.

Read and follow the label of each tank mix product used or precautionary statements, directions for use, geographic and other restrictions.

### COMBINATION WITH LIQUID NITROGEN FERTILIZER

Use 1/3 to 1/2 pint of WEEDONE® Lo Vol 6 Broadleaf Herbicide per acre for weeding and feeding corn, small grains or grass pastures as directed on this label.

Use fertilizer at rates recommended by supplier or Extension Service Specialist.

Fill the spray tank about half full with the liquid fertilizer, then add the WEEDONE® Lo Vol 6 Broadleaf Herbicide with vigorous agitation, and complete filling the tank with fertilizer. Apply immediately and continue agitation in the spray tank during application. Application during very cold weather (near freezing) is not advisable. Do not allow mixture to stand overnight. Incompatibility may be encountered with some fertilizer brands or under some environmental conditions. If in doubt, test a small sample in the dilution ratio planned for application.

**NOTE:** Fertilizers can increase foliage contact burn of herbicides. Reducing the fertilizer rate and concentration will reduce the hazard of leaf burn.

### GENERAL INFORMATION

WEEDONE® Lo Vol 6 Broadleaf Herbicide contains the iso-octyl ester of 2,4-D, the original and one of the best low volatile esters. In cropland, WEEDONE® Lo Vol 6 Broadleaf Herbicide is more effective than amines for controlling hard-to-kill weeds such as bindweed, thistle, smartweeds, wild garlic, curled dock, tansy ragwort and wild onions.

**INJURY TO CROPS FROM THIS HERBICIDE MAY OCCUR. IF YOU ARE NOT PREPARED TO ACCEPT SOME DEGREE OF CROP INJURY, DO NOT USE THIS PRODUCT.**

Crop varieties vary in response to 2,4-D and some are easily injured. Apply WEEDONE® Lo Vol 6 Broadleaf Herbicide to varieties known to be tolerant to 2,4-D. If you are uncertain concerning tolerant varieties or local use situations that may affect crop tolerance to 2,4-D, consult your seed company, state Agricultural Extension Service or qualified crop consultant for advice.

### GENERAL WEED LIST

#### ANNUAL AND BIENNIAL WEEDS

annual yellow sweetclover	*knotweed	salsify (western or common)
*beggarticks	*mallow (venice, dwarf, little)	*smartweeds (annual species)
bull thistle	marshelder	sowthistle (annual or spiny)
coffeedweed	morning glory (common, ivy, woolly)	sunflower
*common broomweed	mustards (except blue mustard)	velvetleaf
common burdock	pepperweeds (except perennial)	*vervains
common cocklebur	*pigweeds (Amaranthus spp.)	vetches
common evening primrose	*prickly lettuce	*wild carrot
common lambsquarters	ragweed (common, giant)	wild lettuce
croton (Texas or woolly)	rough fleabane	wild parsnips
hairy galinsoga	*Russian thistle	wild radish
jimsonweed		

#### PERENNIAL WEEDS

*alfalfa	*goldenrod	sowthistle (perennial)
*bindweed (hedge, field & European)	*ground ivy	*tansy ragwort
blue lettuce	*hawkweed (orange)	*vervains
*Canada thistle	healall	*western ironweed
catnip	*hoary cress	*wild garlic
chicory	Jerusalem - artichoke	*wild onion
dandelion	*many-flowered aster	
*docks	*nettles (including stinging)	
*dogbanes	plantains	

\*These species may require repeat applications and/or use of the higher rate recommended on this product label even under ideal conditions for applications.

\*\*Control of pigweeds in the High Plains area of Texas and Oklahoma may not be satisfactory with this product.

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**SPECIFIC USE DIRECTIONS**

**CEREAL GRAINS: Wheat, Barley and Rye (not underseeded with legumes)**

WEEDS	AMOUNT OF WEEDONE® LoVol 6 PER ACRE	DIRECTIONS
<b>Postemergence</b> Annual and biennial weeds Perennial broadleaf weeds	1/3 to 1 1/3 pints* 2/3 to 1 1/3 pints*	Apply after grain is fully tillered (usually about 4 to 8 inches high) but not forming joints in the stem. <b>Do not spray grain in boot to dough stage.</b>
<b>Wild onion or garlic</b>	1 to 1 1/3 pints*	Apply 1 pint when grain is fully tillered and wild garlic or onion plants are small. Apply 1 1/3 pints after harvest in the crop stubble. For control of new fall growth of wild onion or garlic, refer to FALLOWLAND use directions.
<b>Emergency Weed Control in Wheat</b> Perennial broadleaf weeds	2 pints*	Apply when weeds are approaching bud stage, but do not spray grain during the boot to dough stage. The 2 pints per acre application can produce injury to wheat. Balance the severity of your weed problem against the possibility of crop damage. Where perennial weeds are scattered, spot treatment is suggested to minimize the extent of crop injury.
<b>Preharvest</b>	2/3 to 1 1/3 pints*	Apply when grains are in the hard dough stage to suppress large weeds that may interfere with harvest. Best results will be obtained when soil moisture is sufficient to induce succulent weed growth.

\*Use the lower rate if small annual and biennial weeds are the major problem. Use the higher rate if perennial weeds or annual and biennial weeds are present which are in the hard-to-kill categories as determined by local experience. The higher rates increase the risk of grain injury and should be used only where the weed control problem justifies the risk of grain damage. Do not apply to grain in the seedling stage.

**RESTRICTIONS AND LIMITATIONS FOR USE ON SMALL GRAINS**

- For aerial application on grain: Apply WEEDONE® Lo Vol 6 Broadleaf Herbicide in 2 or more gallons of water per acre.
- For ground application: A minimum of 10 to 15 gallons of water per acre is recommended for proper spray coverage.
- Do not mix with oil for crop uses.
- Do not permit dairy animals or meat animals being finished for slaughter to forage treated grain fields within 2 weeks after treatment.
- Do not feed treated straw to livestock if a preharvest treatment or emergency treatment as described above is applied.

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**FIELD CORN**

WEEDS	AMOUNT OF WEEDONE® LoVol 6 PER ACRE	DIRECTIONS
Preplant	2/3 to 1 1/3 pints	To control emerged broadleaf weed seedlings or existing cover crops prior to planting corn, apply 7 to 14 days before planting. Do not use on light, sandy soil, or where soil moisture is inadequate for normal weed growth. Use high rate for control of less susceptible weeds or cover crops such as alfalfa.
Preemergence	1 1/3 to 2 pints	To control broadleaf weeds and suppress annual grasses, apply 3 to 5 days after planting, but before corn emerges. Use high rate on soil high in organic matter. Do not use on light, sandy soil, or where soil moisture is inadequate for normal weed growth.
Postemergence Annual broadleaf weeds Perennial broadleaf weeds	1/3 pint 1/2 pint	Avoid spraying just after corn leaves unfold as injury may occur. Apply when weeds are small and corn is less than 8 inches tall. If corn more than 8 inches tall must be sprayed, use drop pipes. Spray when weeds are in the bud to bloom stage. If corn is more than 8 inches tall, use drop pipes to keep spray off corn leaves. Do not spray corn from tassel to dough stage. 2,4-D may make corn brittle. Winds or cultivation may cause stalk breakage while brittle.
Preharvest	2/3 to 1 1/3 pints	After the hard dough (denting) stage, to suppress weeds that interfere with harvest such as bindweed, cocklebur, dogbane, jimsonweed, ragweed, sunflower and velvetleaf, and to decrease production of weed seeds, spray with air or ground equipment. The high rate will be needed for tough weeds under stress.

**RESTRICTIONS AND LIMITATIONS FOR USE ON FIELD CORN**

Do not forage or feed corn fodder for 7 days following application.

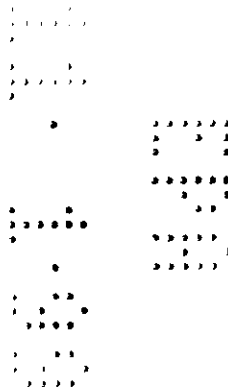
**GRAIN SORGHUM (milo)**

WEEDS	AMOUNT OF WEEDONE® LoVol 6 PER ACRE	DIRECTIONS
Annual broadleaf weeds Perennial broadleaf weeds	1/2 pint 3/4 pint	Treat 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. <b>Do not treat during boot, flowering, or early dough stages.</b>

**RESTRICTED AND LIMITATIONS FOR USE ON SORGHUM**

Do not forage or feed fodder for 7 days following application.

A minimum application volume of 5 gallons per acre by air or 10 gallons per acre by ground is recommended.



**SOYBEANS (Preplant Only)**

WEEDS	AMOUNT OF WEEDONE® Lo Vol 6 PER ACRE	DIRECTIONS
Postemergence	1/2 to 2/3	Apply not less than 7 days prior to planting soybeans, when weeds are small and actively growing. Use the higher rate on larger weeds and when perennials are present. Some weeds may require repeat treatment for adequate control (see GENERAL WEED LIST and below).
	>2/3 to 1 1/3 pints	Apply not less than 30 days prior to planting soybeans, when weeds are actively growing. Some weeds may require repeat treatment for adequate control (see GENERAL WEED LIST and below).
		<p>In addition to those weeds found on the GENERAL WEED LIST, WEEDONE® Lo Vol 6 Broadleaf Herbicide will suppress or control the following broadleaf weeds frequently encountered in reduced tillage soybean production systems: bullnettle, smallflowered bittercress, Carolina geranium, smallflowered buttercup, common and rough cinquefoil, red clover* horseweed or marehail, mousetail, wild mustard, field pennycress, cutleaf evening primrose, common purslane, speedwell, and Virginia copperleaf.</p> <p>* These weeds are only partially controlled.</p> <p>Apply no more than 1 1/3 pints of WEEDONE® Lo Vol 6 Broadleaf Herbicide in one season prior to planting soybeans. After applying, plant soybean seed as deep as practical or at least 1 1/2 to 2 inches deep. Adjust the planter press wheel, if necessary, to ensure that planted seed is completely covered.</p> <p>If desired, WEEDONE® Lo Vol 6 Broadleaf Herbicide may be applied pre-plant to soybeans in tank mixtures with other herbicides such as Poast, Poast Plus, Roundup, Roundup D-Pak, Honcho, Gramoxone Extra, Prowl, Pursuit Plus, Scepter, Scepter 70 DG, Squadron and others that are registered for pre-plant soybean use.</p> <p>NOTE: Unacceptable injury to soybeans planted in fields previously treated with WEEDONE® Lo Vol 6 Broadleaf Herbicide may occur. Whether or not soybean injury occurs and the extent of the injury will depend on weather and agronomic factors such as the amount of weed vegetation and previous crop residue present that may be in effect between the time of WEEDONE® Lo Vol 6 Broadleaf Herbicide application and the emergence of the soybean plant.</p>

**RESTRICTIONS AND LIMITATIONS FOR USE IN SOYBEANS (PRE-PLANT)**

- Do not apply WEEDONE® Lo Vol 6 Broadleaf Herbicide prior to planting soybeans if you are not prepared to accept the results of soybean injury including possible loss of stand and yield.
- Do not apply WEEDONE® Lo Vol 6 Broadleaf Herbicide when weather conditions such as temperature, air inversions, or wind favor drift from treated areas to susceptible plants.
- Apply no more than 1 1/3 pints of WEEDONE® Lo Vol 6 Broadleaf Herbicide per acre in one season prior to planting soybeans.
- Do not mow or cultivate weeds prior to treating with WEEDONE® Lo Vol 6 Broadleaf Herbicide as poor control may result.
- Do not feed treated hay, forage, or fodder or graze treated soybeans to livestock.
- Only one application of WEEDONE® Lo Vol 6 Broadleaf Herbicide may be made prior to planting soybeans per growing season.
- Do not feed or graze treated cover crops to livestock.

**GRASSES GROWN FOR SEED PRODUCTION**

WEEDS IN CROP	AMOUNT OF WEEDONE® Lo Vol 6 PER ACRE	DIRECTIONS
Annual broadleaf weeds	2/3 to 1 pint	Apply to established stands in the spring before the seed head comes into the boot stage. Do not spray in boot stage of growth. In seedling grasses apply in the spring after the grass has
Biennial and Perennial broadleaf weeds	1 1/3 to 2 pints	DO NOT USE IN CALIFORNIA

**RESTRICTIONS AND LIMITATIONS FOR USE ON GRASSES FOR SEED PRODUCTION**

Do not graze dairy animals or cut forage for hay within 7 days of application.



**WEEDS AND BRUSH IN PASTURES, RANGELAND, AND FALLOWLAND  
ESTABLISHED GRASS PASTURES AND RANGELAND**

WEEDS IN CROP	AMOUNT OF WEEDONE® Lo Vol 6 PER ACRE	DIRECTIONS
<b>Established Grasses and Rangeland</b>		Apply when weeds are small and actively growing and prior to bud stage. Do not apply to newly seeded areas until grass is well established. Do not apply when grass is in the boot to milk stage if grass seed production is desired. Bentgrass and legumes may be injured by this treatment.
Annual broadleaf weeds	1 1/3 pints	
Perennial and biennial broadleaf weeds	2 to 2 2/3 pints	
Sand sage, sagebrush, shinnery oak and other 2,4-D susceptible woody species	2/3 to 2 3/4 pints	Apply aerially to brush in 2 or more gallons of water per acre. One gallon of fuel oil may be included in the mixture. Consult state or local brush control specialists for most effective rate, volume and timing of spray applications.

**FALLOW LAND AND CROP STUBBLE**

WEEDS	AMOUNT OF WEEDONE® Lo Vol 6 PER ACRE	DIRECTIONS
Annual broadleaf weeds	2/3 to 1 1/3 pints	Use the lower rate when weeds are small (2 to 3 inches tall) and growing actively. Use the higher rate on older and drought-stressed plants.
Biennial broadleaf weeds	2/3 to 1 2/3 pints	Spray wild musk thistles or other biennial species are in the seedling to rosette stage, and before flower stalks are initiated. The lower rate can be used in spring during rosette stage. In fall or after flower stalks have developed, use the higher rate.
Perennial broadleaf weeds	1 1/3 to 4 pints	Spray weeds in bud to bloom stage, or in good vegetative growth. Do not disturb treated area for at least 2 weeks after treatment, or until weed tops are dead.
Wild garlic or onions	2 2/3 to 4 pints	Apply to new regrowth of wild onion or garlic which occurs in the fall following harvest of small grains, soybeans, corn or grain sorghum.

**RESTRICTIONS AND LIMITATIONS FOR USE ON PASTURES, RANGELAND, AND FALLOW LAND**

- For ground application, a minimum of 10 to 15 gallons of water per acre is recommended for proper spray coverage.
- For aerial application, use a minimum of 2 gallons of water per acre.
- Do not graze animals on treated areas within 7 days after treatment.
- Do not plant treated fallow land until 3 months after treatment or until chemical has disappeared from soil.
- Do not cut grass for hay within 30 days after application.
- Do not permit dairy animals or meat animals being finished for slaughter to forage treated fields within 3 days of slaughter.

**FENCEROWS, ROADSIDES, VACANT LOTS, AIRFIELDS, RAILROAD, HIGHWAY AND UTILITY RIGHTS-OF-WAY,  
AND OTHER NON-CROP AREAS.**

WEEDS	AMOUNT OF WEEDONE® Lo Vol 6 PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 1/3 to 2 2/3 pints	Apply when most weeds are still young and growing vigorously.
Perennial and biennial broadleaf weeds	2 to 4 pints	Apply when weeds are actively growing and near the bud stage, but before flowering. For best results on tansy ragwort and musk thistle, treat in rosette stage, before bolting. A second application is usually needed for best results on thistle, nettle and bindweed. Treat wild onion or garlic in early spring and in fall when they are young and growing actively.
Cattails and tules	1 to 1 2/3 gallons	Mix 1 1/3 quarts WEEDONE® Lo Vol 6 Broadleaf Herbicide in 2 quarts kerosene or diesel oil then add this mixture to 100 gallons of water. Apply 300 to 500 gallons of spray per acre, depending on the stand. The addition of a wetting agent such as SURFOL spray adjuvant is suggested.
Woody plants	2/3 to 1 1/3 gallons	Apply in 30 to 100 gallons of spray per acre, preferably through low volume equipment such as DIRECTA-SPRA, WOBBLER, MINI-WOBBLER or SPIROMETER. Treat when 2,4-D susceptible species are in full leaf and growing actively. Repeated applications, oil or wetting agent and/or high volume spraying (300 to 500 gallons of spray per acre) may be needed for acceptable control of some species or if brush is dense.

**RESTRICTIONS AND LIMITATIONS FOR USE IN NON-CROP AREAS**

- For aerial application to solid stands of susceptible brush, use 1 1/3 to 2 2/3 quarts in 3 to 12 gallons volume per acre. Two to 4 quarts of fuel oil may be included in this mixture.
- Applications will be less effective when conditions such as deficient soil moisture reduce brush growth.

**TANK MIXTURES FOR NON-CROP AREAS**  
**WEEDONE® Lo Vol 6 and GARLON 4 or GARLON 3A Tank Mixtures for Non-Crop Areas**

WEEDS	AMOUNT OF WEEDONE® Lo Vol 6 PER ACRE	DIRECTIONS
Broadleaf weed control	1 1/3 to 2 2/3 pints WEEDONE® Lo Vol 6 plus 2 to 6 pints GARLON-4 or 3 to 8 pints GARLON-3A	For wider spectrum control of broadleaf weeds and woody plants: Apply as a broadcast spray in enough water to deliver 20 to 100 gallons total spray per acre. Apply when broadleaf weeds are actively growing.
Woody plant control Broadcast foliar spray	2/3 to 1 1/3 gallons WEEDONE® Lo Vol 6 plus 1 1/2 to 3 quarts GARLON-4 or 2 to 4 quarts GARLON-3A	Apply as a broadcast spray in enough water to deliver 20 to 100 gallons total spray per acre. Apply when woody plants are actively growing.
Woody plant control High volume leaf-stem treatment with ground equipment	2/3 to 5 1/3 quarts WEEDONE® Lo Vol 6 plus 1 1/2 to 12 pints GARLON-4 or 2 to 16 pints GARLON-3A	Mix 2/3 to 1 1/3 to 2 quarts of WEEDONE® Lo Vol 6 Broadleaf Herbicide plus 1 1/2 to 3 pints GARLON-4 or 2 to 4 pints GARLON-3A in enough water to make 100 gallons of spray. Apply at a volume of 100 to 400 gallons of total spray per acre depending on size and density of woody plants. Thoroughly wet all leaves, stems and root collars of plants to be controlled.
Woody plant control Aerial application (helicopter only)	2/3 to 1 1/3 gallons WEEDONE® Lo Vol 6 plus 3 to 4 quarts GARLON-4 or 4 to 6 quarts GARLON-3A	Apply in a total spray volume of 10 to 30 gallons per acre using drift control equipment such as the MICRO-FOIL boom or an effective drift control agent such as LO-DRIFT spray additive. Use the higher rates and volumes when plants are dense or under drought conditions.

**WEEDONE® Lo Vol 6 And BANVEL Herbicide Tank Mixtures For Non-Crop Areas**

WEEDS	AMOUNT OF WEEDONE® Lo Vol 6 PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 1/3 to 2 2/3 pints WEEDONE® Lo Vol 6 plus 1/2 to 1 1/2 pints BANVEL	For wider spectrum control of broadleaf weeds and woody plants: Apply as a broadcast spray in enough water to deliver 20 to 100 gallons total spray per acre. Apply when broadleaf weeds are actively growing. Use the higher rates when treating dense or tall vegetative growth.
Perennial and biennial broadleaf weeds	2 to 4 pints WEEDONE® Lo Vol 6 plus 1/2 to 6 pints BANVEL	Apply as a broadcast spray in enough water to deliver 20 to 100 gallons total spray per acre. Apply when broadleaf weeds are actively growing but prior to flowering. Use the lower rates for biennials less than 3 inches rosette diameter. Use the higher rates for perennial weeds or for biennial weeds past the 3-inch rosette stage.
Woody plant control Broadcast, high volume, stem foliage or aerial application	2/3 to 1 1/3 gallons WEEDONE® Lo Vol 6 plus 2 to 8 quarts BANVEL	Apply as broadcast spray in enough water to deliver 20 to 100 gallons total spray per acre or apply as a high volume stem foliage spray in enough volume to thoroughly wet leaves, stems and root collars (100 to 400 gallons per acre) or apply aerially in enough water to deliver total spray volume of 10 to 30 gallons per acre using drift control equipment such as the MICRO-FOIL BOOM OR AN EFFECTIVE DRIFT CONTROL agent such as LO-DRIFT spray additive. Use the higher rates and volumes when plants are dense or under drought conditions.

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## SMALL AREA APPLICATIONS FOR NON-CROP USE

For control of broadleaf weeds in small non-crop areas with hand held or back-pack sprayers mix 2 2/3 fluid ounces WEEDONE® Lo Vol 6 Broadleaf Herbicide per gallon of water. Thoroughly wet all weed foliage. Maintain agitation of mixture to prevent separation.

### FOREST MANAGEMENT

#### CONIFER RELEASE

To control alder, apply 2/3 to 2 quarts WEEDONE® Lo Vol 6 Broadleaf Herbicide in 9 1/2 to 15 gallons water per acre as a foliage spray. Usually 1 1/3 quarts of WEEDONE® Lo Vol 6 per acre is sufficient to provide good alder control with minimum conifer injury. Treat when 3/4 of the brush foliage has attained full size leaves and before new conifer growth reaches 2" in length. This is usually between early May and mid-June. Adjust treatment date depending on stage of growth of conifers and brush species. This may cause leader deformation on exposed firs, but they should overcome this during the second year after spraying.

To control tanoak, madrone, ceanothus, canyon live oak, and manzanita, and to release Douglas fir, hemlock, Sitka spruce or grand fir, apply 2 quarts WEEDONE® Lo Vol 6 Broadleaf Herbicide plus 3 quarts fuel oil in 8 1/2 to 15 gallons water per acre before new growth on Douglas fir is 2" long. To control manzanita and ceanothus in ponderosa pine, apply 3 quarts WEEDONE® Lo Vol 6 Broadleaf Herbicide before pine growth begins in spring.

To control hazel brush in the Lake states, apply 1 2/5 quarts WEEDONE® Lo Vol 6 Broadleaf Herbicide in 6 to 25 gallons of water per acre when new shoot growth of hazel is complete (usually mid-July).

In northern areas, if possible conifer injury can be tolerated, 1 to 2 quarts of WEEDONE® Lo Vol 6 Broadleaf Herbicide applied aerially in 8 to 25 gallons of water per acre after conifers such as jack pine, red pine, black spruce, and white spruce have hardened off (usually mid-July) will provide control of competing hardwoods including alder, aspen, birch, hazel and willow.

#### SITE PREPARATION

**Budbreak Spray:** To control alder and other susceptible species before planting forest seedlings, apply 1 2/5 to 2 3/5 quarts WEEDONE® Lo Vol 6 Broadleaf Herbicide in 9 to 15 gallons of water per acre plus 2 quarts of fuel oil per acre after alder buds break, but before foliage is 1/4 full size.

**Foliage Spray:** To control alder before planting forest tree seedlings, apply 1 2/5 quarts WEEDONE® Lo Vol 6 Broadleaf Herbicide plus 2 quarts fuel oil in 9 to 15 gallons water per acre after most alder leaves are full size.

Consult your regional or extension forester or state herbicide specialist for recommendations to fit local conditions.

### LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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WEEDONE(r) Lo Vol 6 Broadleaf Herbicide

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