

17123 24-535 1712

# WEEDONE® 2,4-D GEL

BROADLEAF HERBICIDE  
GEL-TEC™ Water Soluble Paks

**ACCEPTED**  
MAR 15 1980  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 264-535

Weed And Brush Control In Small Grains, Corn, Soybeans, Rangeland, Pastures, Roadsides Fencerows, Turf and other Non-Crop Areas.

**ACTIVE INGREDIENT:**  
2,4-dichlorophenoxyacetic acid, 2-ethylhexyl ester\* ..... 86.4%  
**INERT INGREDIENTS:** ..... 13.6%

\*Isomer specific by AOAC method No. 6.D01-5  
2,4-Dichlorophenoxyacetic acid equivalent 57.3% or 5.4 lbs/gal.

E.P.A. Reg. No. 264-535

E.P.A. Est. No. 264-MO-01

## KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

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

For **PRODUCT USE** Information Call 1-800-334-9745

For **MEDICAL** Information **ONLY** Call 24 Hours A Day 1-800-334-7577

### 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, preferable an ophthalmologist.

**IF SWALLOWED:** Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol.

**IF ON SKIN:** Immediately wash skin with plenty of soap and water. Get medical attention.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

#### NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the usage of gastric lavage.

### PRECAUTIONARY STATEMENTS

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes burns and irreversible eye injury. Harmful if swallowed, absorbed through skin or inhaled. Do not get in eyes, on skin or clothing. Avoid breathing vapors or spray mist.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and other handlers must wear:** coveralls over long sleeved shirt and long pants, waterproof gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure and protective eye wear. A chemical-resistant apron should also be worn when cleaning equipment, mixing or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables use detergent and hot water. Keep and wash PPE separately from other laundry.

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 may be reduced or modified as specified in the WPS.

#### USER SAFETY RECOMMENDATIONS

User 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® 2,4-D GEL 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® 2,4-D GEL 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 product.

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 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 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 over long sleeved shirt and long pants, waterproof gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure and protective eyewear.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) 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.

For ornamental turf uses (golf courses, cemeteries, parks and other turf grass areas, do not enter treatment areas and spray have dried. Do not allow people (other than applicator) or pets on treatment area during application.

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## 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

Do not reuse outer bag. Dispose of outer bag in a sanitary landfill, by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## GENERAL CAUTIONS AND RESTRICTIONS

Do not apply WEEDONE® 2,4-D GEL through any type of irrigation system.

Do not use in or near a greenhouse.

## GENERAL INFORMATION

WEEDONE® 2,4-D GEL is formulated as a gelatinous mixture containing 5.4 lb of 2,4-D acid equivalent per gallon present as the 2-ethylhexyl ester (2-EHE). In cropland, WEEDONE® 2,4-D GEL 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® 2,4-D GEL 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.

## MIXING, LOADING AND HANDLING INSTRUCTIONS

**GENERAL HANDLING INSTRUCTIONS:** Each WEEDONE® 2,4-D GEL water soluble pak comes sealed in a clear plastic outer sleeve. Do not break the seal until the time of use. To use, open the end of the outer sleeve by tearing along the printed solid black line. Do not use a knife or other sharp object to break the seal. Once the outer protective sleeve is open, the water soluble pak inside can be dropped into the spray tank at the appropriate time without touching it.

**WEEDONE® 2,4-D GEL ALONE:** Add enough water to the spray tank to prime the system (about 6-8 inches for most sprayers), and drop the needed number of WEEDONE® 2,4-D GEL water soluble paks into the tank, distributing them across the bottom. After the paks have soaked for 2 minutes, start the agitation and agitate thoroughly for 2 minutes. With the agitation on, continue to fill the spray tank to the desired level. Agitate during spraying. If spraying must be stopped before emptying the sprayer, resume agitation prior to completing application of the load.

**WEEDONE® 2,4-D GEL TANK-MIXTURES:** Follow all use directions as listed above under WEEDONE® 2,4-D GEL ALONE with the following exception: After the WEEDONE® 2,4-D GEL water soluble paks have been thoroughly mixed and after water was added to fill the tank 1/2 full, add the recommended amount of wettable powder, soluble powder, flowable, emulsifiable concentrate, or soluble liquid product, while maintaining agitation. If a spray additive is needed, add a liquid fertilizer, surfactant, or crop oil concentrate to the spray tank. Continue adding water to the tank to achieve the desired level, while maintaining agitation.

**WEEDONE® 2,4-D GEL TANK-MIXTURES WITH PRODUCTS IN WATER-SOLUBLE PACKAGING:** Follow all use directions as listed above under WEEDONE® 2,4-D GEL ALONE with the following exception: Add the desired number of other water-soluble paks to the tank (if allowed by their label instructions) at the same time the WEEDONE® 2,4-D GEL paks are added to the spray tank.

**NOTE:** Do not mix WEEDONE® 2,4-D GEL when using liquid fertilizer as a carrier.

## HANDLING PRECAUTIONS

- Do not allow the empty outer sleeve or the tear-strip to fall into the spray tank as they are not water soluble and may clog the sprayer.
- Do not handle the inner pak with wet gloves as the pak will begin to dissolve on contact with even a small amount of water.
- Do not open the inner paks or attempt to remove the gel from them. The gel is not designed to be re-measured or subdivided.
- The PVA pak should not be opened and partial pak not used for a tankmix.
- The entire contents of the water soluble pak must be used.

## WEEDONE® 2,4-D GEL RATE/RECOMMENDATIONS

WEEDONE® 2,4-D GEL is a 5.4 lb per gallon formulation packaged in water-soluble paks. Each WEEDONE® 2,4-D GEL water soluble pak contains one liter of the herbicide. To determine how many paks of WEEDONE® 2,4-D GEL to use, consult the application rate tables and recommendation charts for the crop to be sprayed. In those charts, the WEEDONE® 2,4-D GEL use rates are given in

pints/acre. Once the WEEDONE® 2,4-D GEL application rate per acre is selected, consult the following tables to determine how many paks to use per acre when mixing the spray. 4-2

## WEEDONE® 2,4-D GEL APPLICATION RATE CHART

1. Select the WEEDONE® 2,4-D GEL use rate in pints per acre.
2. Select number of acres to be treated in the column under the recommended use rate.
3. The number of WEEDONE® 2,4-D GEL paks needed is listed in the far left hand column.

WEEDONE LV 4 EQUIVALENT RATE/A	1/2 PINT	3/4 PINT	1 PINT	2 PINTS	3 PINTS
WEEDONE® 2,4-D GEL USE RATE/A	1/3 PINT	1/2 PINT	2/3 PINT	1 1/3 PINT	2 PINTS
NUMBER OF WEEDONE® 2,4-D GEL PAKS TO USE	ACRES TREATED PER PAK				
	1	10	6 2/3	5	2 1/2
2	20	13 1/3	10	5	3 1/3
3	30	20	15	7 1/2	5
4	40	26 2/3	20	10	6 2/3
5	50	33 1/3	25	12 1/2	8 1/3
6	60	40	30	15	10
7	70	46 2/3	35	17 1/2	11 2/3
8	80	53 1/3	40	20	13 1/3
9	90	60	45	22 1/2	15
10	100	66 2/3	50	25	16 2/3

Note: Each pak contains 3 1/3 pints of WEEDONE® 2,4-D GEL.

### 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)
coffeeweed	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 (herd, 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.

**SPECIFIC USE DIRECTIONS**

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

WEEDS	AMOUNT OF WEEDONE® 2,4-D GEL 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 <b>do not spray grain during the boot to dough stage.</b> 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.

**TANK MIXTURES FOR CEREAL GRAINS**

**WEEDONE® 2,4-D GEL and BUCTRIL® Tank Mixture on Wheat, Barley and Rye**

WEEDS IN CROP	AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE	DIRECTIONS
<b>Cereal Areas</b> except Washington, Oregon, Idaho, Colorado, Wyoming and Montana	1/2 to 1 pint plus 1 to 1 1/2 pints BUCTRIL®	BUCTRIL® Broadleaf Herbicide will control some annual weeds that are resistant to WEEDONE® 2,4-D GEL and may be tank mixed with WEEDONE® 2,4-D GEL for broader spectrum weed control on cereal grains.  TO PREPARE THE SPRAY: First mix WEEDONE® 2,4-D GEL in water then add the BUCTRIL®. Use the higher rates for larger weeds or where weed growth is slow due to dry or cold weather. Apply before weeds are 6 inches high. Use 10 to 20 gallons total spray volume per acre with ground equipment or use 5 to 10 gallons total spray volume with air application. Use higher volume on larger weeds.
Washington, Oregon, Idaho, Colorado, Wyoming and Montana	1/3 to 2/3 pint plus 1 1/2 pints BUCTRIL®	

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

For aerial application on grain: a minimum of 3-5 or more gallons of water per acre is recommended. Allow sufficient mixing to dissolve water soluble pak.

For ground application: a minimum of 10 - 15 gallons of water per acre is recommended for proper spray coverage.

Do not mix with oil for crop use.

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 below is applied.

**FIELD CORN**

WEEDS	AMOUNT OF WEEDONE® 2,4-D GEL 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.
<b>Postemergence</b> 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. <b>Do not spray corn from tassel to dough stage.</b> 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.

**POPCORN**

WEEDS IN CROP	AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE	DIRECTIONS
Preharvest	2/3 to 1 1/3 pints	After the dent 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 weeds under stress.  DO NOT USE IN CALIFORNIA.

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

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

A minimum application volume of 3 to 5 gallons per acre by air or 10 gallons per acre by ground is recommended. Allow sufficient mixing to dissolve water soluble pak.

Note: Hybrids vary in response to 2,4-D and some are easily injured. Contact seed company or your Agricultural Experiment Station or Extension weed specialists for this information.

**SOYBEANS (Preplant Only)**

WEEDS	AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE	DIRECTIONS
Postemergence	1/2 to 2/3 pint	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® 2,4-D GEL 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 marestalk, 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® 2,4-D GEL 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® 2,4-D GEL 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® 2,4-D GEL 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® 2,4-D GEL application and the emergence of the soybean plant.</p> <p><b>DO NOT USE IN CALIFORNIA.</b></p>

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

- Do not apply WEEDONE® 2,4-D GEL 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® 2,4-D GEL per acre in one season prior to planting soybeans.
- Do not apply WEEDONE® 2,4-D GEL 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 replant fields treated with WEEDONE® 2,4-D GEL in the same growing season with crops other than those labeled for 2,4-D pre-plant use.
- Do not mow or cultivate weeds prior to treating with WEEDONE® 2,4-D GEL as poor control may result.
- Do not cut for feed treated hay, forage, or fodder or graze treated soybeans to livestock.
- Only one application of WEEDONE® 2,4-D GEL may be made prior to planting soybeans per growing season.
- Do not cut for feed or graze treated cover crops to livestock.
- A minimum application volume of 2 gallons or more per acre by air or 10 gallons per acre by ground is recommended.

## GRAIN SORGHUM (milo)

WEEDS	AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE	DIRECTIONS
Annual broadleaf weeds	1/2 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. Do not treat during boot, flowering, or early dough stages.
Perennial broadleaf weeds	3/4 pint	

### RESTRICTIONS 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. Allow sufficient mixing to dissolve water soluble pak.

## SUGARCANE

WEEDS	AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE	DIRECTIONS
Preemergence	1 1/3 pints	Apply before canes appear for control of emerged broadleaf weeds.
Postemergence	1 1/3 to 2 2/3 pints	Apply after cane emerges and through lay-by. <b>DO NOT USE IN CALIFORNIA.</b>

## GRASSES GROWN FOR SEED PRODUCTION

WEEDS IN CROP	AMOUNT OF WEEDONE® 2,4-D GEL 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. <b>Do not spray in boot stage of growth.</b> In seedling grasses apply in the spring after the grass has tillered or has at least 5 leaves but before the boot stage. Use only the low rate on seedling grasses.
Biennial and Perennial broadleaf weeds	1 1/3 to 2 pints	<b>DO NOT USE IN CALIFORNIA.</b>

### 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 FALLOW LAND, ESTABLISHED GRASS PASTURES AND RANGELAND

WEEDS	AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 1/3 pints	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. Beans and legumes may be injured by this treatment.
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 2/3 quarts	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® 2,4-D GEL 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 while 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 highest 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 10-15 gallons of water per acre is recommended for proper spray coverage.

For aerial application, a minimum of 3-5 gallons of water per acre is recommended. Allow sufficient mixing to dissolve water soluble pak.

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.

## WEEDS IN ORNAMENTAL TURF AREAS

Golf Courses, Cemeteries, Parks, and other Turf Areas

WEEDS IN CROP	AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 1/3 pints	Apply any time weeds are growing vigorously. Cool-season weeds such as common chickweed, henbit and pepperweeds should be sprayed when they appear in fall or early spring. Warm-season weeds such as knotweed respond best when they are small. If there is additional germination, repeat treatment. Also controls cocklebur, galinsoga, lambquarters, pigweed, ragweed and sunflower.
Perennial and biennial broadleaf weeds	2 to 2 2/3 pints	To control dandelion, plantain and most other common broadleaf weeds in turf, apply in spring or fall when these weeds are growing actively. Treat wild garlic or onion in three successive seasons (Example: spring, fall, spring). Do not apply to newly seeded areas until sod is formed and grass has been cut at least twice. Do not use WEEDONE® 2,4-D GEL for susceptible southern grasses such as St. Augustine, Bentgrass and clover may be injured by this treatment. Also controls bindweed, chicory, docks, ground ivy, hawkweed, thistles (Canada, musk, bull and Scotch), smartweed, tansy ragwort, wild onion and wild garlic.

### RESTRICTIONS AND LIMITATIONS FOR USE IN TURF AREAS

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dust has settled.

The maximum number of broadcast applications per treatment site is 2 per year. This does not exclude spot treatment.

For ground application in turf areas, use enough water for good coverage (minimum 10 gallons per acre). Allow sufficient mixing to dissolve water soluble pak.

Do not graze animals on treated areas within 7 days after treatment.

If needed, irrigate ornamental turf thoroughly before application. Spray when air is calm to avoid drift. Avoid treatment when temperatures exceed 85° F or are expected to do so within 24 hours after application.

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

<b>WEEDS</b>	<b>AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE</b>	<b>DIRECTIONS</b>
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® 2,4-D GEL 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 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.

**TANK MIXTURES FOR NON-CROP AREAS**  
**WEEDONE® 2,4-D GEL And Garlon-4 Or Garlon-3A Tank Mixtures For Non-Crop Areas**

<b>WEEDS</b>	<b>AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE</b>	<b>DIRECTIONS</b>
Broadleaf weed control	1 1/3 to 2 2/3 pints WEEDONE® 2,4-D GEL 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® 2,4-D GEL 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® 2,4-D GEL plus 1 1/2 to 12 pints Garlon-4 or 2 to 16 pints Garlon-3A	Mix 2/3 to 1 1/3 quarts of WEEDONE® 2,4-D GEL 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® 2,4-D GEL 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. Use the higher rates and volumes when plants are dense or under drought conditions.

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**WEEDONE® 2,4-D GEL And Banvel<sup>2</sup> Herbicide Tank Mixtures For Non-Crop Areas**

WEEDS	AMOUNT OF WEEDONE® 2,4-D GEL PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 1/3 to 2 2/3 pints WEEDONE® 2,4-D GEL 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® 2,4-D GEL 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® 2,4-D GEL 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 aurally 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. Use the higher rates and volumes when plants are dense or under drought conditions.

**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.

**FOREST MANAGEMENT**

**CONIFER RELEASE**

To control alder, apply 1 to 1 1/3 quarts WEEDONE® 2,4-D GEL Broadleaf Herbicide in 9 1/2 to 15 gallons water per acre as a foliage spray. 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 quart WEEDONE® 2,4-D GEL 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 2 quarts WEEDONE® 2,4-D GEL before pine growth begins in spring.

To control hazel brush in the Lake states, apply 1 1/3 quarts WEEDONE® 2,4-D GEL 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 1/3 to 2 quarts of WEEDONE® 2,4-D GEL applied aurally 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 1/3 to 2 2/3 quarts WEEDONE® 2,4-D GEL in 9 to 15 gallons of water 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 1/3 quarts WEEDONE® 2,4-D GEL plus 2 quarts fuel oil in 9 to 15 of 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.

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## 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, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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Rhône-Poulenc Ag Company  
P.O. Box 12014, 2 T.W. Alexander Drive  
Research Triangle Park, North Carolina 27709

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