

PM 23 264-561

10/12

Please read instructions on reverse before completing form. Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States Environmental Protection Agency Washington, DC 20460

<input type="checkbox"/>	Registration
<input checked="" type="checkbox"/>	Amendment
<input type="checkbox"/>	Other

OPP Identifier Number	251382
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Application for Pesticide - Section I

1. Company/Product Number 264-561	2. EPA Product Manager I Miller Miller	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) WEEDONE 638 EW Broadleaf Herbicide	PM# 23	
5. Name and Address of Applicant (Include ZIP Code) Rhone-Poulenc Ag Company P.O. Box 12014, 2 T.W. Alexander Drive RTP, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.
<input type="checkbox"/> Resubmission in response to Agency letter dated _____
<input checked="" type="checkbox"/> Notification - Explain below.

<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Other - Explain below.

NOTIFICATION
MAY 22 1996

Explanation: Use additional page(s) if necessary. (For section I and Section II.)
Alternate Brand Product Name : WEEDONE 638 Solventless Broadleaf Herbicide

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Metal Plastic Glass Paper Other (Specify) _____		
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Karen S. Shearer	Title Registration Manager	Telephone No. (include Area Code) 919-549-2365
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature Karen S. Shearer	3. Title Registration Manager	RECEIVED MAY 15 1996 EPA REGIONAL OFFICE TRIANGLE REGION 1000 SOUTH MAIN STREET RALEIGH, NC 27601
4. Typed Name Karen S. Shearer	5. Date May 6, 1996	

20/12

WEEDONE® 638 Solventless

BROADLEAF HERBICIDE

A SPECIAL FORMULATION CONTAINING 2,4-D ACID.

ACTIVE INGREDIENTS:

*2,4-Dichlorophenoxyacetic acid	13.8%
**2,4-Dichlorophenoxyacetic acid, 2-ethylhexyl ester	25.2%

INERT INGREDIENTS:	61.0%
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*Isomer specific by AOAC Method No. 978.05

**Total 2,4-dichlorophenoxyacetic acid equivalent 31.4% by weight or 2.8 pounds per gallon.

EPA Reg. No. 264-561

EPA 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 and TRANSPORTATION Emergencies ONLY** Call 24 Hours A Day 1-800-334-7577

STATEMENT OF PRACTICAL TREATMENT

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

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

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. 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.

PRECAUTIONARY STATEMENTS

DANGER

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes irreversible eye damage. Harmful if swallowed or absorbed through the skin. Do not get in eyes or on clothing. Avoid contact with skin.

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.

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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

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.

ENGINEERING CONTROL STATEMENTS:

For containers of 5 gallons or more, a mechanical transfer 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.

When handlers use 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.

USER SAFETY RECOMMENDATIONS

Users should: Remove clothing immediately if pesticide get inside. Then wash thoroughly and put on clean clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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 or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Do not contaminate water used for irrigation or domestic purposes. Do not apply when weather conditions favor drift from treated areas. Avoid spray drift to susceptible plants such as cotton, beans, peas, ornamentals, and most vegetables, as injury may occur. Coarse sprays are less likely to drift. Under very high temperature, vapors from this product may injure susceptible plants in the immediate vicinity.

MIXING AND LOADING: Most cases of ground water contamination involving phenoxy herbicides such 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 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 entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water is: coveralls, waterproof gloves, shoes plus socks and protective eye wear.

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 until sprays have dried. Do not allow people (other than applicator) or pets on treatment area during application.

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

Open dumping is prohibited. Pesticide wastes are acutely hazardous. 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 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® 638 Solventless Broadleaf Herbicide through any type of irrigation system.
Do not use in or near a greenhouse.

MIXING INSTRUCTIONS

Add one-half the required amount of water to the spray tank, then add the WEEDONE® 638 Solventless with agitation, and finally, the balance of the water with continued agitation. Provide continuous agitation to insure uniform spray mixtures. Use spray mixture as soon as possible after mixing.

COMPATIBILITY

If WEEDONE® 638 Solventless 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 for precautionary statements, directions for use, geographic and other restrictions.

COMBINATION WITH LIQUID NITROGEN FERTILIZER

Use the recommended amount of WEEDONE® 638 Solventless Broadleaf Herbicide per acre for weeding and feeding corn, small grains, grasses for production or grass pastures as directed on this label. Use the 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® 638 Solventless with vigorous agitation, and complete filling the tank. Apply immediately and continue agitation in the spray tank during application. Do not allow mixture to stand overnight. 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® 638 Solventless Broadleaf Herbicide is a special formulation containing 2,4-D acid. WEEDONE® 638 Solventless is more effective than 2,4-D amines for controlling hard-to-kill weeds such as field bindweed, Russian knapweed, Canada thistle, leafy spurge, cattails, tules and nutgrass.

WEEDONE® 638 Solventless Broadleaf Herbicide should be applied when daytime temperatures are lower than 80 to 85 degrees. Spraying when temperatures are higher may cause rapid foliar burn and decrease the effectiveness of WEEDONE® 638 Solventless. Treatment at higher temperatures also increases the possibility of crop injury.

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® 638 Solventless only 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 or state Agricultural Extension Service for advice.

GENERAL WEED LIST

ANNUAL AND BIENNIAL WEEDS		PERENNIAL WEEDS	
annual yellow sweetclover	mustards (except blue mustard)	*alfalfa	healall
*beggerticks	pepperweeds (except perennial)	*Austrian fieldcress	*hoary cress
bull thistle	**pigweeds (<i>Amaranthus spp.</i>)	*bindweed (hedge, field and European)	Jerusalem-artichoke
coffeeweed	*prickly lettuce	blue lettuce	*many-flower aster
*common broomweed	ragweed (common or giant)	*Canada thistle	*nettles (including stinging)
common burdock	rough fleabane	catnip	*orange hawkweed
common cocklebur	*Russian thistle	chicory	plantains
common evening primrose	*salsify (western or common)	dandelion	sowthistle (perennial)
common lambsquarter	*smartweeds (annual species)	*docks	*tansy ragwort
croton (Texas or woolly)	sowthistle (annual or spiny)	*dogbanes	Texas blueweed
galinsoga	sunflower	*goldenrod	*vervains
jimsonweed	velvetleaf	*ground ivy	*western ironweed
*knotweed	*vervains		*wild garlic
*mallow (venice or little)	vetches		*wild onion
marshelder	*wild carrot		
morningglory (common, ivy, woolly)	wild lettuce		
*musk thistle***	wild parsnip		
	wild radish		

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

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

***Not registered for control of musk thistle in California.

GRASSES GROWN FOR SEED PRODUCTION

WEEDS IN CROP	AMOUNT OF WEEDONE® 638 SOLVENTLESS PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 to 1 1/2 pints	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 tillered or has at least 5 leaves but before the boot stage. Use only the low rate on seedling grasses.
Perennial and biennial broadleaf weeds	2 to 3 pints	DO NOT USE IN CALIFORNIA.

WEEDS AND BRUSH IN PASTURES, RANGELAND, FALLOW LAND AND CONSERVATION RESERVE PROGRAM AREAS

WEEDS IN CROP	AMOUNT OF WEEDONE® 638 SOLVENTLESS PER ACRE	DIRECTIONS
Annual broadleaf weeds	2 1/2 pints	Apply in spring or fall when annual weeds such as knotweed or common chickweed are up but still small and in or near the seedling stage, and growing vigorously. Also controls cocklebur, galinsoga, lambsquarters, mustards, pigweed, ragweed and sunflower.
Perennial and biennial broadleaf weeds	3 to 5 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).

RESTRICTIONS AND LIMITATIONS FOR USE ON RANGELAND AND PASTURES

- A minimum application volume of 2 gallons by air or 5 - 10 gallons by ground is recommended for pastures.
- Do not graze animals on treated areas within 7 days of treatment.
- Do not cut forage for hay within 30 days of treatment.
- Do not permit dairy animals or meat animals being finished for slaughter to forage treated fields within 3 days of slaughter.

ORNAMENTAL TURF (GOLF COURSES, CEMETERIES, PARKS AND OTHER TURF AREAS)

WEEDS IN CROP	AMOUNT OF WEEDONE® 638 SOLVENTLESS PER ACRE	DIRECTIONS
Annual broadleaf weeds	2 1/2 pints	Apply in spring or fall when annual weeds such as knotweed or common chickweed are up but still small and in or near the seedling stage, and growing vigorously. Also controls cocklebur, galinsoga, lambsquarters, mustards, pigweed, ragweed and sunflower.
Perennial and biennial broadleaf weeds	3 to 5 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).

RESTRICTIONS AND LIMITATIONS FOR USE ON ORNAMENTAL TURF AREAS

- A minimum application volume of 25 gallons per acre is recommended for use on turf.
- Do not apply to newly seeded areas until sod is formed and grass has been cut a few times. Do not use WEEDONE® 633 Solventless for susceptible southern grasses such as St. Augustine. Bentgrass and clover may be injured by this treatment.
- Do not apply more than 2 broadcast applications per year per treatment site. This does not exclude spot treatment.
- Do not allow people (other than applicator) or pets on treatment area during application.
- Do not enter treatment areas until sprays have dried.

CONSERVATION RESERVE PROGRAM AREAS

WEEDS IN CROP	AMOUNT OF WEEDONE® 638 SOLVENTLESS PER ACRE	DIRECTIONS
Annual broadleaf weeds in young grasses	2/3 to 1 1/3 pints 2/3 to 2 2/3 pints	Apply to actively growing annual broadleaf weeds. Use 2/3 to 1 1/3 pints when weeds are small; use higher rates on older weeds. Do not apply to young grasses with fewer than 6 leaves or prior to tillering, as excessive injury may result. Do not apply more than 1 1/3 pints until grasses are well established as excessive injury may result.
Biennial and perennial broadleaf weeds in established grasses	2 2/3 to 5 pints 5 1/3 pints	Treat when biennial weeds are in the seedling to rosette stage and before flower stalks become apparent. Treat perennial weeds in the bud to bloom stage. Apply to actively growing weeds.

RESTRICTIONS AND LIMITATIONS FOR USE ON CONSERVATION RESERVE PROGRAM AREAS

Use at least 2 gallons of water per acre by air and 5 gallons of water per acre by ground.
 Do not harvest or graze treated Conservation Reserve Program areas.
 Do not apply to grasses in the boot to dough stage if grass seed production is desired.

FALLOW LAND AND CROP STUBBLE

WEEDS IN CROP	AMOUNT OF WEEDONE® 638 SOLVENTLESS PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 1/3 to 2 2/3 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-stress plants, except as directed in the SPECIAL WEED PROBLEMS section of this label.
Biennial broadleaf weeds	2 2/3 to 5 1/3 pints	Spray while musk thistles or other biennial species are in the seedling to rosette stage, and before flower stalks become apparent. The lower rate can be used in spring during rosette stage. In fall or after flower stalks have developed, use the highest rate, except as directed in the SPECIAL WEED PROBLEMS section of this label.
Perennial broadleaf weeds	1 1/2 to 4 quarts	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, except as directed in the SPECIAL WEED PROBLEM section of this label.
Wild garlic and onion in crop stubble	2 2/3 to 4 quarts	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 FALLOWLAND AND CROP STUBBLE

A minimum spray volume of 5 gallons per acre by air or 10 to 15 gallons per acre by ground is recommended.
 Do not plant treated fallow land until 3 months after treatment or until chemical has disappeared from soil.
 Do not graze dairy animals on treated areas within 7 days of treatment.

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WEEDS AND BRUSH IN NON-CROP AREAS

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

WEEDS IN CROP	AMOUNT OF WEEDONE® 638 SOLVENTLESS PER ACRE	DIRECTIONS
Annual broadleaf weeds	1 1/3 to 2 2/3 quarts	Apply when most weeds are still young and growing vigorously, except as directed in the SPECIAL WEED PROBLEM section of this label.
Perennial and biennial broadleaf weeds	2 to 4 quarts	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, except as directed in the SPECIAL WEED PROBLEM section of this label.

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 5 fluid ounces WEEDONE® 638 Solventless per gallon of water. Thoroughly wet all weed foliage. Maintain agitation of mixture.

SPECIAL WEED PROBLEMS

DIRECTIONS FOR SPECIAL WEED PROBLEMS IN PASTURES, FALLOW LAND, NON-CROP AND CONSERVATION RESERVE PROGRAM AND CONSERVATION RESERVE ACREAGE

To control the following special weed problems in fallow land, non-crop areas or pastures, apply the rates indicated at the recommended application time in sufficient spray volume by air or ground to obtain thorough and uniform coverage. Thorough and uniform coverage may require high volume ground spraying at 50 gallons per acre or more or aerial spraying at 10 gallons per acre or more when weed growth is dense. Adequate soil moisture for weed growth is essential for good control.

WEEDS	AMOUNT OF WEEDONE® 638 SOLVENTLESS	WHEN TO SPRAY
musk thistle	1 1/2 to 2 quarts	rosette stage spring or fall; use higher rate in fall
field bindweed	1 1/2 to 2 quarts	bud to full bloom
hoary cress	2 quarts	bud to full bloom
leafy spurge, Russian knapweed	2 quarts	full bloom
Canada thistle, camellthorn, lotus	2 quarts	bud to early bloom
Canada thistle	2 quarts	in spring or summer
Canada thistle	1 1/2 to 2 1/2 quarts	6 to 8 inches high in fall, prior to a killing frost with good soil moisture. Do not till treated area within 7 days of treatment.
cattails, tule (hard-stem bulrush)	3 quarts	late spring to early summer when 4 to 6 feet tall; repeat in fall and following spring
tansy ragwort	3 quarts	rosette stage to early bloom
nutgrass	3 quarts	6 to 8 inches high, before bloom; repeat when regrowth is 6 to 8 inches high.

Refer to the restrictions and limitations for use on these sites.

