

PM 23 34704-606 1045
DRY SOLUBLE HERBICIDE

SAVAGE®

ACCEPTED

FEB 12 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 34704-606

97 FEB -4 AIO:41

RECD 10/10/97 P/DPD1

Water Soluble Broadleaf Herbicide Crystals

ACTIVE INGREDIENT:

Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid 89%

INERT INGREDIENTS: 11%
TOTAL 100%

Contains 78.9% 2,4-Dichlorophenoxyacetic acid equivalent by weight.

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 this label, find someone to explain it to you in detail.)

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EPA EST. NO. 37507-MT-1

NET WEIGHT 10 LBS. (4.53 KG)

See Below For Additional Precautionary Statements

MT

EXP01/97

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER—PELIGRO

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment:

Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear. 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.

Engineering controls statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler

PPE requirements may be reduced or modified as specified in the WPS.

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.

STATEMENT OF PRACTICAL TREATMENT

- If in Eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
- If Swallowed:** Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.
- If on Skin:** Wash with plenty of soap and water. Get medical attention.
- If Inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.
- Note to Physician:** If in eyes, specialized ophthalmologic attention may be necessary. If swallowed, probable mucosal damage may contraindicate gastric lavage. There is no specific antidote; treat symptomatically.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply where runoff is likely to occur. Do not contaminate water used for irrigation or domestic purposes. Excessive amounts of 2,4-D in the soil may temporarily inhibit seed germination or plant growth.

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

PHYSICAL OR CHEMICAL HAZARDS

DO NOT APPLY THIS HERBICIDE TO OR PERMIT IT TO COME IN CONTACT WITH 2,4-D SUSCEPTIBLE CROPS AND OTHER DESIRABLE BROADLEAF PLANTS. This herbicide is injurious to most broadleaf plants. Do not permit spray mist containing this product to come in contact with such plants since even very small quantities which may not be visible may cause severe injury. Susceptible crops include: cotton, grapes, tobacco, vegetables, flowers, fruit trees, ornamentals and other desirable plants. DO NOT SPRAY WHEN SUSCEPTIBLE PLANTS OR CROPS ARE DOWNWIND.

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Ground equipment usually will result in less drift, but drift still may occur. When ground application is used, drift can be lessened by spraying only when wind velocity is less than 5 miles per hour. Use coarse sprays, keep spray boom low, apply 20 gallons or more of spray per acre and use no more than 20 pounds per square inch spraying pressure. Do not apply with nozzles that produce a fine droplet spray.

Aerial application must only be made by applicators experienced in the use of 2,4-D herbicides. When aerial application is used, drift can be lessened by using no more than 20 pounds spray pressure, using nozzles which produce a coarse spray pattern, spraying only when wind velocity is less than 5 miles per hour, and spraying as close to the target area as possible. Use straight stream nozzles directed straight back and a spray boom no longer than 75% of the wing span of the aircraft. **DO NOT APPLY WHEN AN AIR TEMPERATURE INVERSION EXISTS. SUCH CONDITION CAN EXIST WHEN AIR TEMPERATURES ARE LOWER NEAR THE SURFACE THAN AT HIGHER ALTITUDES.** The use of a continuous smoke column at or near site of application is suggested to indicate a possible temperature inversion by layering of the smoke or when dust is suspended in the air.

Drift can occur after application. For example, soil particles having 2,4-D on them may be moved considerable distances by wind storms. The risk of damage from this cause is reduced if treated fields are irrigated or if rain occurs shortly after application.

To avoid injury to desirable plants do not mix this herbicide with other agricultural chemicals. Always ensure spray tanks are thoroughly rinsed and cleaned before and after using this product.

Many states have laws regarding application of phenoxy herbicides. Because this product is a 2,4-D phenoxy herbicide, it too is subject to application local laws and governmental requirements or restrictions. Consult local regulatory agencies concerning requirements before making applications. Consult your Agricultural Extension Specialist for advice in selecting treatments which best fit local conditions. Apply this product only as specified on this label.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

READ AND FOLLOW ALL DIRECTIONS AND USE PRECAUTIONS ON THIS LABEL PRIOR TO APPLICATIONS.

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

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 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.

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

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

STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Do not store under conditions which might adversely affect the container or its ability to function properly. Such conditions include, but are not limited to, positioning of the container in storage, storage temperature, potential for crushing or damage due to stacking, and penetration of moisture.

STORAGE: Store in a safe manner. Store in original container only. Store in cool, dry place. Reduce stacking height where local conditions,

such as humidity or pallet overhang can affect package strength.

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

CONTAINER DISPOSAL: Paper Bag: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Plastic Bucket: 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 DIRECTIONS

This product is a water soluble crystalline 2,4-D phenoxy herbicide useful in controlling susceptible broadleaf weeds. Species controlled include the following, plus many others:

Arrowweed	Knotweed
Bindweed	Lambsquarter
Buckhorn	Morning Glory
Bull Thistle	Mustard
Burdock	Pigweed
Cocklebur	Piantains
Coffee Weed	Ragweed
Common Chickweed	Smartweed
Curly Dock	Sunflower
Curly Indigo	Tansy Mustard
Dandelion	Thistle
Dogfennel	Velvetleaf
Jimsonweed	

The degree of control is dependent upon species, stage of growth and overall growing conditions. Best results are obtained when weeds are young and actively growing.

To prepare the spray solution: add about half of the water to the mixing tank, then add this herbicide with agitation and finally the balance of the water with continuing agitation. Use only water. Use 5 to 10 gallons of water to fully dissolve one pound of herbicide. Apply sufficient spray solution to insure uniform coverage, but at least 5 gallons spray solution per acre.

SELECTIVE WEED CONTROL IN CROPS

CORN (Field and Sweet) AND SORGHUM (Milo): Apply 1/2 to 1 pound of this herbicide per acre when corn and sorghum are at least 4 to 10 inches tall. Drop nozzles are recommended after the crop reaches 8 to 10 inches in height to keep spray off foliage. Do not apply to corn from tasseling to dough stage. Do not apply to sorghum during flowering or early dough stage. Do not cultivate within 10 days after spraying while plants are brittle. Injury is more likely to occur when the crop is rapidly growing under high temperature and high soil moisture conditions. Where these conditions prevail, use the low rate of 1/2 pound per acre.

NOTE: Corn and sorghum hybrids vary in tolerance to 2,4-D. Some are easily injured. Spray only varieties known to be tolerant to 2,4-D. Consult the seed company or Agricultural Extension Specialist for this information.

SMALL GRAINS not Underseeded with a Legume (Wheat, Oats, and Barley): Apply 3/4 to 1-1/2 pounds of this herbicide per acre. On spring seeded grains use lower rate. Oats are more sensitive to 2,4-D than other grains and should be sprayed in the spring when well established. Spray

after the crop is fully tillered and before the boot stage. Do not apply from early boot through milk stage. Do not permit dairy or meat animals to forage or graze treated fields within 2 weeks after treatment. Do not feed treated straw to livestock.

RICE: Apply 1 pound of this herbicide per acre. Rice plants are sensitive to 2,4-D in early stages of growth. Delay spraying until late stages of tillering, at the first joint development, usually 6 to 9 weeks after crop emergence. Make all treatments well in advance of heading.

SUGARCANE: Apply 1 pound of this herbicide per acre as fall and spring drill (or band sprays). Apply 1-1/2 pounds of this herbicide per acre as broadcast spray immediately after layby.

FOR USE IN CROP RESIDUE MANAGEMENT SYSTEMS IN SOYBEANS (Preplant only):

General information: This product is a phenoxy-type herbicide that provides postemergence control of many susceptible annual and perennial broadleaf weeds. It may be applied prior to planting soybeans to provide foliar burndown control of susceptible annual and perennial broadleaf weeds and certain broadleaf cover crops such as those listed on this label. This herbicide should only be applied preplant to soybeans in situations such as reduced tillage production systems, where emerged weeds

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are present. Apply only according to the application instructions given below. Do not use any tillage operations between application of this product and planting of soybeans.

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

Application Procedures: Apply using air or ground equipment in sufficient gallonage to obtain adequate coverage of weeds. Use 2 or more gallons of water per acre in aerial equipment and 10 or more gallons of spray mixture per acre for ground equipment.

Application Timing And Use Rates

Maximum Rate Per Acre	When to Apply (Days prior to planting soybeans)
10 ozs.	NOT LESS THAN 15 DAYS
20 ozs. (1.25 lbs.)	NOT LESS THAN 30 DAYS

Weeds Controlled

alfalfa*	mousetail
bindweed	mustard, wild
bullnettle	oat, wild
bittercress, smallflowered	pennycress, field
buttercup, smallflowered	peppercorn
Carolina geranium	plantain
cinquefoil, common and rough	purslane, common
clover, red	ragweed, common
cocklebur, common	ragweed, giant
dandelion	shepherdspurse
dock, curly*	smartweed, Pennsylvania
eveningprimrose, cutleaf	sowthistle, annual
garlic, wild*	speedwell
horseweed or mare's tail	thistle, Canada
ironweed	thistle, bull
lambquarters, common	velvetleaf
lettuce, prickly	vetch, hairy
morningglory, annual	Virginia copperleaf

*These species are only partially controlled.

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

Application Restrictions And Precautions

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

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

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

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

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

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

In fields previously treated with this product, plant soybean seed as deep as practical or at least 1 inch deep. Adjust the planter if necessary to ensure that planted seed is completely covered.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

USE REQUIREMENTS FOR PASTURE AND NONCROP AREAS OTHER THAN TURF: Do not enter treatment areas until spray has dried or dust has settled. For early entry to treatment areas, wear eye protection, chemical resistant gloves, long sleeved shirt, long pants, socks and shoes.

TURF USE REQUIREMENTS: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

NOTE: For application to turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes, follow AGRICULTURAL USE REQUIREMENTS on this label.

GRASS PASTURES: Apply 1/2 to 2 pounds of this herbicide per acre preferably when weeds are small before the bud or early bloom stage. Use the lower rate if annual and biennial weeds are the major problem; the higher rate for perennial weeds. Repeat treatments may be needed for hard-to-kill weeds. Use the same rates after 3 to 4 week interval. Do not use on alfalfa, clover and other legumes. Do not treat newly seeded grass until grass is well established and apply the lower rate. In some cases, carpet, buffalo, St. Augustine and dichondra may be injured. Do not graze dairy animals on treated areas within 7 days after application. Do not graze meat animals on treated areas within 3 days before slaughter. Do not cut treated grass for hay within 30 days after application.

GRASS SEED FIELDS: In grass seed fields, make application in spring before head comes into boot. Use 1/2 to 1 1/2 pounds per acre. Use the lower rate if annual and biennial weeds are the major problem; the higher rate for perennial weeds. Repeat treatments may be needed for hard-to-kill weeds. Use the same rates after 3 to 4 week interval. Do not treat newly seeded grass until grass is well established and apply the lower rate. In some cases, carpet, buffalo, St. Augustine and dichondra may be injured. Do not graze dairy animals on treated areas within 7 days after application. Do not graze meat animals on treated areas within 3 days before slaughter. Do not cut treated grass for hay within 30 days after application.

SELECTIVE WEED CONTROL IN NON-CROP AREAS SUCH AS ALONG HIGHWAYS AND RAILROADS RIGHTS-OF-WAY, DRAINAGE DITCH BANKS AND AROUND FARM BUILDINGS

For spot treatment, apply 1 to 2 pounds of this herbicide per acre in sufficient water to thoroughly wet the weeds. Repeat treatments may be required to kill noxious perennial weeds such as bindweed, whitetop, perennial sow thistle, blue lettuce, bur ragweed, and Canada thistle. Apply on vigorous spring growth to early bloom stage and on fall regrowth.

To control small areas of woody plants, such as willow, honeysuckle, Virginia Creeper, alder and others susceptible to 2,4-D, use 2 pounds of this herbicide in 100 gallons of water; spray to thoroughly wet plants when in full leaf. Re-treat as necessary for control of regrowth and seedlings. In general, it is better to cut all woody growth and spray suckers when 2 to 4 feet high.

GRASS IN ESTABLISHED TURF AND LAWNS

Apply 1 to 4 ounces of this herbicide per 5,000 square feet (1/2 to 2 pounds per acre) preferably when weeds are small. Use the lower rate if annual and biennial weeds are the major problem; the higher rate for perennial weeds. Repeat treatments may be needed for hard-to-kill weeds, although the limit on turf broadcast applications is 2 per year. Use same rates after 3 to 4 week interval. Retreatment may be needed the following year. Apply 1/2 to 2 gallons spray solution per 1,000 square feet (20-80 gallons per acre) to insure uniform coverage.

Do not water for 48 hours after application.

Do not use on bentgrass, clover and other legumes. Do not treat newly seeded grass until grass is well established and apply the lower rate. In some cases, carpet, buffalo, St. Augustine and dichondra may be injured. The maximum number of broadcast applications per treatment site is 2 per year.

NOTICE OF WARRANTY

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED

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CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS PRESENCE OF OTHER MATERIALS OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

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

FORMULATED FOR
PLATTE CHEMICAL CO

150 SO. MAIN STREET

FREMONT, NEBRASKA 68025-5697

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INSTRUCTIONS FOR USE OF WATER SOLUBLE BAGS

General Information: The inner bag of this product is water soluble and dissolves in the mixing tank. Determine the number of water soluble bags to use for your application by consulting the directions for that use site and the information below.

Handling and Storage Precautions For Water Soluble Bags: Do not allow bags to become wet prior to adding to mixing tank. Do not handle bags with wet gloves. Excessive handling may cause breakage. Water soluble bags are brittle when stored below 32° F. To avoid breakage, handle carefully when frozen or allow to warm before handling. Store in a cool, dry place. Avoid prolonged storage above 115° F.

Mixing Instructions: Fill tank with approximately 1/2 to 2/3 of the total amount of water needed. Drop the required number of bags into tank with agitation running. Depending on the water temperature and degree of agitation, bags should dissolve in about 5 minutes. Bags dissolve more slowly in cold water and with less active agitation. Complete filling the tank while bags dissolve, and make sure that bags are completely dissolved before spraying.

Determining Number of Bags to Use: Consult the directions for the use site to be treated and determine the correct application rate. Using the rate per acre and the number of acres you intend to spray, consult the Conversion Table to determine the number of water soluble bags. Use the closest number of bags without exceeding the correct use rate.

CONVERSION TABLE

RATE PER ACRE		ACRES PER WATER SOLUBLE BAG	
Ounces	Pounds	1 Pound Size	4 Pound Size
8	1/2	2	8
10	5/8	1.6	6.4
12	3/4	1.33	5.33
16	1	1	4
20	1-1/4	0.8	3.2
24	1-1/2	0.66	2.66
32	2	0.5	2

$$\text{Number of Bags to Use} = \frac{\text{Number of Acres to Be Treated}}{\text{Acres Per Water Soluble Bag for Your Rate and Bag Size}}$$

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