

11773-16

5-22-2002

1/11

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

MAY 22 2002

Tim Nilles
Van Diest Supply Co.
1434 220th St.
P.O. Box 610
Webster City, IA 50595

Dear Mr. Nilles:

SUBJECT: Label Amendment - Response to PR Notice 2000-3
Cornbelt Salvan
EPA Registration No. 11773-16
Your Application Dated January 25, 2002

The label amendment referred to above, submitted in accordance with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following provision::

1. On the first page of the labeling there are two duplicate "Cautionary Statements" - delete one of the statements that reads: "Caution, Agricultural Chemical, Keep Out of Reach of Children".

A stamped copy is enclosed for your records. Please submit one (1) copy of your final printed labeling before you release the product for shipment. This amended labeling supersedes all previously accepted ones.

Sincerely yours,

Joanne E. Miller
Product Manager (23)
Herbicide Branch
Registration Division (7505C)

Enclosure

7505C								
Miller								
5/22/02								

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CORNBELT SALVAN

LOW VOLATILE WEED KILLER

ACTIVE INGREDIENT

2,4-Dichlorophenoxyacetic Acid	81.8%
2-Ethylhexyl ester*	

INERT INGREDIENTS**	18.2%
	100.0%

This product contains 2,4-Dichlorophenoxyacetic Acid Equivalent* 54.2%
*Isomer Specific by AOAC Method No. 6.275-6.279 (13th Ed.)

**This product contains petroleum distillate.

**CAUTION
AGRICULTURAL CHEMICAL
KEEP OUT OF REACH OF CHILDREN**

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EPA Reg. No. 11773-16

EPA Est. No. 11773-IA-1

**ACCEPTED
with COMMENTS
In EPA Letter Dated
MAY 22 2002**

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
11773-16**

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FIRST AID

IF SWALLOWED

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 minutes.
- Call a poison control center or doctor for treatment advice.

IF IN EYES

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

IF INHALED

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN:

Contains petroleum distillates. May cause chemical pneumonitis if aspirated. If lavage is performed, suggest endotracheal and/or esophagosopic control.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

CAUTION

Harmful if swallowed or absorbed through skin. May cause allergic skin reaction. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist.

Personal Protective Equipment:

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton.
- Shoes plus socks
- Protective eyewear
- 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 a chemical-resistant apron in addition to the other required PPE.

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:

For containers of 5 gallons or more: Do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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

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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 fish. Do not apply directly to any body of water. Do not apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters. Do not contaminate irrigation ditches or water used for irrigation or domestic purposes.

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget 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.

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 AND CHEMICAL HAZARDS

Do not use or store near heat or open flame.

AGRICULTURAL CHEMICAL

Do Not Ship or Store with Foods, Feeds, Drugs, or Clothing.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE: Keep container tightly closed when not in use. This product can be stored in an unheated building.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law and may contaminate groundwater. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. 6/11

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.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton
- Shoes plus socks
- Protective eyewear

GENERAL INFORMATION

Performance of this product may be affected by local conditions, crop varieties, and application method. User should consult local extension service, agricultural experiment station, or university weed specialists, and state regulatory agencies for recommendations in your area.

Best results are obtained when product is applied to young succulent weeds that are actively growing. Use of the lower recommended application rates will be satisfactory on susceptible annual weeds. For perennial weeds and conditions where control is difficult, the higher recommended rates should be used.

When product is used for weed control in crops, the growth stage of the crop must be considered.

For crop uses, do not mix with oil, surfactants, or other adjuvants unless specifically recommended on label. To do so may reduce herbicides selectivity and could result in crop damage.

Although SALVAN is a low volatile formulation, at temperatures above 95 degrees F vapors may damage susceptible crops growing nearby.

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

Aerial Broadcast Spray: Unless otherwise specified in the appropriate crop or noncrop directions, apply SALVAN in 1 to 10 gallons of spray solution per acre. For best coverage and weed control, as well as reduced potential for spray drift, a minimum of 3 gallons per acre is suggested. Avoid using nozzles or nozzle configurations that generate fine droplets. One configuration usually found to be suitable includes straight stream nozzles (such as disk with no swirl plate) directed straight back along the windstream. Mechanical flagging systems such as Automatic Flagman® are suggested to obtain more uniform application. With fixed-wing or helicopter application, an exactly even swath deposition may not be achieved, and consequently crop injury or pesticide nonperformance may result wholly or in part. Do not apply by air during periods of thermal inversion. Avoid application if potential for drift is excessive and/or susceptible crops are growing in the vicinity.

Because coarse sprays are less likely to drift than fine, do not use equipment (such as hollow cone small orifice nozzles) or in conditions (such as high pressure) that produce such sprays.

Product should not be allowed to come into contact with desirable susceptible plants such as beans, cotton, fruit trees, grapes, legumes, ornamentals, peas, tomatoes, and other vegetables. Product should not be used in or near greenhouses. Excessive amounts of this product in the soil may temporarily inhibit seed germination and all plant growth.

If stored below freezing, it may be necessary to warm product to 40 degrees F and agitate before using. This does not affect the efficiency of the product.

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Spray equipment used to apply 2,4-D should not be used for any other purpose until thoroughly cleaned with a suitable chemical cleaner.

DO NOT USE THIS PRODUCT ON CROPS GROWN FOR SEED. SOME INBREDS HAVE A VERY LOW TOLERANCE TO CHEMICALS AND THE USE OF THIS COMPOUND COULD RESULT IN INJURY TO A CROP GROWN FOR SEED.

WHERE TO USE

SALVAN is used to control broad-leafed weeds in cereal crops, corn, milo, lawns, ornamental turf, and golf fairways, and weeds and brush in meadows and pastures.

PLANTS CONTROLLED

SALVAN will kill or control the following in addition to many other noxious plants susceptible to 2,4-D:

SALVAN WEED LIST

- | | |
|----------------|----------------------|
| Arrowhead | Mexican Weed |
| Artichoke | Morning Glory |
| Beggar Ticks | Musk Thistle |
| Bindweeds | Mustards |
| Blue Thistle | Nettles |
| Bull Thistle | Pennycress |
| Burdock | Pepper Grass |
| Butterprint | Pigweed |
| Canada Thistle | Prickly Lettuce |
| Catnip | Puncture Vine |
| Chickweed | Purslane |
| Chicory | Ragweeds |
| Cocklebur | Russian Thistle |
| Dandelion | Quickweed |
| Docks | Shepherdspurse |
| Fanweed | Smartweed |
| Figwort | Sow Thistle (Annual) |
| Four O'Clock | Stinkweed |
| Ground Ivy | Sumacs |
| Hemp Dogbane | Sunflower |
| Henbit | Wild Garlic |
| Horsetail | Wild Mustard |
| Jimsonweed | Wild Onion |
| Klamathweed | Wild Parsnip |
| Kochia | Wild Radish |
| Lambsquarters | Wild Rape |
| Loco Weed | Wild Sweet Potato |
| Mallow | Yellow Goatsbeard |
| Marestail | |

Some weeds above, listed as susceptible may not be completely killed but growth is so retarded by proper application that they are no longer a factor affecting growth and yield of crop.

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MIXING INSTRUCTIONS: SALVAN must be thoroughly mixed. Fill the spray equipment reservoir about half full with water and add the required amount of herbicide with agitation. Finish filling the reservoir with water, agitate then apply. After use, clean equipment thoroughly by flushing with water and using a suitable chemical cleaner.

APPLICATIONS

CORN, Preemergence: Apply 1 1/2 to 2 1/4 pints of SALVAN per acre. Spray uniformly over the soil surface after planting (preferably 3 to 5 days) but before emergence. Use in 5 to 20 gallons of water. Do not use on light sandy soils, or when moisture is inadequate for normal weed growth. Do not forage or feed corn fodder for 7 days following application.

CORN, MILO; Postemergence: Apply 1/5 to 2/5 pint SALVAN per acre. Make application when crop is small and more resistant to 2,4-D but when weeds are succulent or in active growth stage. Use lower dosage only against succulent, nonresistant, annual broadleaf weeds. Use drop nozzles when crop is 10 inches tall or higher. Keep spray off leaves. Do not spray after tassels appear. Some injury to corn may occur.

CORN; Preharvest: After the hard dough (or denting) stage when silks have turned brown, apply 12.8 to 25.6 fluid ounces of SALVAN per acre to suppress perennial weeds such as hemp dogbane or field bindweed, and many tall weeds such as cocklebur, pigweed and sunflower that interfere with harvest. Weed seed production will also be suppressed if SALVAN application is prior to the flowering stage of weeds. The high rate is recommended under dry conditions. Do not forage or feed corn fodder for 7 days following application.

WHEAT, OATS, BARLEY, RYE; Fall: Apply 2/5 to 4/5 pint of SALVAN per acre. Make application in the spring when weeds are small and grain is in the full tiller stage (to 8 inches high) and always before the boot stage. Do not apply during boot or dough stage. Do not forage or graze treated grain fields within two weeks after treatment. Do not feed treated straw to livestock.

WHEAT, OATS, BARLEY, RYE; Spring: Apply 2/5 to 1/2 pint of SALVAN per acre. Apply after plants are fully tillered but before stems begin to joint. Do not apply during boot or dough stage. Do not forage or graze treated grain fields within two weeks after treatment. Do not feed treated straw to livestock.

WHEAT, OATS, BARLEY, RYE; Preharvest: Apply 12.8 to 25.6 fluid ounces of SALVAN per acre when grains are in the hard dough stage to control large weeds that may interfere with harvest. In tank mixtures with other herbicides registered for preharvest application, a rate of 6.4 to 9.6 fluid ounces per acre may be desired. Best results will be obtained when soil moisture is sufficient to cause succulent weed growth. Addition of a nonionic surfactant usually improves weed control.

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PERENNIAL GRASS PASTURES, MEADOWS: Apply 4/5 pint of SALVAN per acre. Apply in the early spring when sufficient weeds have emerged and are actively growing and not too mature. Injury may result to bent grass and to clovers. Usually clovers will recover from early spring applications. Do not apply when grass is in boot to milk stage. Do not apply to newly seeded areas or after heading begins. Do not graze treated areas to dairy animals within 7 days after treatment. Do not graze livestock on treated area within 3 days of slaughter. Do not cut treated area for hay within 30 days after application.

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.

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

LAWNS, ORNAMENTAL TURF GRASS, GOLF FAIRWAYS: For large areas apply 1 1/2 pints of SALVAN per acre. For small areas 3 1/3 teaspoons in 3 to 5 gallons of water applied to 1,000 square feet. Spray 3 to 5 days after mowing. Retreatment of perennial weed areas may be necessary. May cause injury to bent grass, carpet grass, dichondra, St. Augustine and to clovers. Protect ornamentals from spray drift. Restriction on Retreatment: The maximum number of broadcast applications per treatment site is 2 per year.

CONDITIONS OF SALE AND WARRANTY

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended 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 VAN DIEST SUPPLY CO. or the Seller. All such risks shall be assumed by the Buyer. VAN DIEST SUPPLY CO. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. VAN DIEST SUPPLY CO. makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall VAN DIEST SUPPLY CO. or the Seller be liable for consequential, special, or indirect damage resulting from the use or handling of this product. VAN DIEST SUPPLY CO. and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of VAN DIEST SUPPLY CO.

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Manufactured by Van Diest Supply Co.
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