

DuPont Agricultural Products

"..... A Growing Partnership With Nature"

VELPAR® L HERBICIDE CHEMIGATION USE ON DORMANT ALFALFA

VELPAR® L HERBICIDE

EPA Reg. No. 352-392

FOR USE ON DORMANT ALFALFA APPLIED VIA CHEMIGATION

DuPont VELPAR® L herbicide can be applied using chemigation to alfalfa. Make a single application during winter months when alfalfa plants are in the least active stage of growth.

DIRECTIONS FOR USE

Dormant Applications

Follow the EPA-registered package label for rate instructions and weeds controlled when applying VELPAR® L Herbicide by chemigation during winter months when alfalfa plants are in the least active stage of growth. Select the appropriate dose for soil texture and organic matter content using 0.25" to 0.75" of sprinkler irrigation as a continuous injection during the application. Best results are obtained when soil is moist at time of application, and when weeds have not germinated or are less than 2" tall or across.

CHEMIGATION

Apply this product only through center pivot sprinkler irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back-flow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

MIXING INSTRUCTIONS

1. Fill the supply tank 1/4 to 1/3 full of water.
2. While agitating, add the required amount of VELPAR® L and continue agitation until the VELPAR® L is fully dispersed, at least 5 minutes.
3. Once the VELPAR® L is fully dispersed, maintain agitation and continue filling tank with water. VELPAR® L should be thoroughly mixed with water before adding any other material.
4. As the tank is filling, add tank mix partners (if desired) then add the required volume of nonionic surfactant (if needed). Always add surfactant last.

5. After thorough mixing, the agitation system can be stopped to prevent excessive foaming in the tank. Once thoroughly mixed the solution in the supply tank does not require additional agitation unless specified on the companion products label. Read and follow all manufacturers label recommendations for the companion products. A de-foamer can be added to the supply tank if companion products require continuous agitation in the injection supply tank during application.

6. Apply VELPAR® L spray mixture within 48 hours of mixing to avoid product degradation.

PRECAUTIONS

- Distributing treated water in an uneven manner can result in crop injury, lack of effectiveness, or over-tolerance pesticide residues in the crop. Therefore, to ensure that the mixture is applied evenly at the recommended rate, use sufficient water, apply the mixture for the proper length of time and ensure sprinkler produces a uniform water pattern.
- On soils high in organic matter (greater than 5%), the effectiveness of VELPAR® L can be significantly reduced and weed control may be unsatisfactory.
- Since the effect of VELPAR® L on alfalfa varies with soil conditions, uniformity of application, and environmental conditions, growers should limit their first use to small area.
- Temporary yellowing of alfalfa may occur following VELPAR® L applications.
- Crop injury, including mortality, may result in fields with restricted root growth due to non-uniform soil profiles such as gravel bases and clay lenses.

RESTRICTIONS

- Do not permit run-off during chemigation.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Do not connect an irrigation system used for DuPont VELPAR® L application to a public water system.
- Treat only stands of alfalfa established for two seasons or more (greater than 13 months) provided the alfalfa root system is well established and the crop is healthy, vigorous, and not under stress from weather conditions, insects, or disease damage.
- Do not use on seedling alfalfa, alfalfa/grass mixtures, or other mixed stands.
- Do not apply to snow-covered or frozen ground.
- Do not add a surfactant to VELPAR® L when treating non-dormant alfalfa varieties via chemigation.
- Do not use VELPAR® L on gravelly or rocky soils, exposed subsoils, hardpan, sand, poorly drained soil, or alkali soils.
- Do not graze or feed forage or hay to livestock within 30 days following application.

POSTING OF AREAS TO BE TREATED

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, daycare centers, hospitals, in-patient clinics, nursing homes, or any public areas such

as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to all the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive areas.

When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other location affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2 1/2 inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words "KEEP OUT", followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word "STOP". Below the symbol shall be the words "PESTICIDE IN IRRIGATION WATER".

Posting required for chemigation does not replace other posting and reentry requirements for farm worker safety.

IMPORTANT

BEFORE USING THESE PRODUCTS, READ AND FOLLOW ALL APPLICABLE DIRECTIONS, RESTRICTIONS AND PRECAUTIONS ON THE EPA-REGISTERED LABEL.

This bulletin contains new or supplemental instructions for use of this product which do not appear on the EPA-registered package label. Follow the instructions carefully.

This labeling must be in the possession of the user at the time of pesticide application.

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