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U.S. Crop Production

Supplemental Labeling

DowElanco

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ACCEPTED
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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 62719-106

Surflan* 75WSP

(E.P.A. Reg. No. 62719-106)

Surflan 75WSP Applied Through Chemigation Systems for Weed Control in Tree Fruit and Nut Orchards or Vineyards

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- *This labeling must be in the possession of the user at the time of application.*
- Read the label affixed to the container for Surflan 75WSP before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Surflan 75WSP according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Surflan 75WSP.

Directions for Use

Surflan 75 WSP may be applied through properly equipped chemigation systems for weed control in fruit and nut orchards or vineyards. Refer to "Chemigation Instructions" below for general use directions for chemigation. Do not apply through any irrigation system unless this supplemental labeling is followed.

Precautions

Overtop applications with sprinkler systems utilizing tall risers may be made only to dormant tree fruit and nut orchards or vineyards. Make chemigation applications to non-dormant tree fruit and nut orchards only through solid set or hand move sprinkler systems with risers and sprinkler heads designed to distribute water uniformly beneath the tree canopy.

Chemigation Application of Surflan 75WSP

Apply Surflan 75WSP in 1/2 to 1 inch of sprinkler irrigation. Apply in at least 1 inch of sprinkler irrigation on medium to fine textured or high organic matter soils. Surflan 75WSP does not control established weeds. Surflan 75WSP must be applied prior to weed germination or immediately after existing weeds are controlled. Control existing unwanted vegetation with tillage or with a contact or translocated herbicide.

Broadcast Rates Per Acre

Length of Control	Surflan 75WSP (pounds/acre)	Surflan 75WSP (packets/acre)
Short term (2 - 4 months)	2-2/3	2
Long term (6 - 8 months)	5-1/3	4
Long term (8 - 12 months)	8	6

Cultivation

If weeds begin to emerge after application from below the zone of herbicidal activity, a shallow-cultivation of 1 to 2 inches will destroy existing weeds and mix Surflan 75WSP into the zone of weed germination.

Chemigation Instructions

Surflan 75WSP may be applied through properly equipped chemigation systems for weed control in fruit and nut orchards or vineyards. Read and follow all label instructions outlined below concerning chemigation before applying

General Chemigation Directions
Make non-dormant chemigation applications of Surflan 75WSP only through solid set or hand move systems designed to distribute sprinkler irrigation beneath the tree canopy. Solid set systems utilizing tall risers for overhead application may be used only for dormant season chemigation applications. 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 chemigation application to a public water system.
- 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 Directions
The following directions must be followed for all recommended sprinkler irrigation systems (solid set and hand move systems):

1. 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 backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.
8. Surflan 75WSP should be injected continuously throughout chemigation water application period. The chemigation metering pump should be checked periodically during application to ensure proper operation.
9. The injection metering pump must be calibrated as specified by the manufacturer.
10. During chemigation, maintain agitation in supply tank at all times.
11. Surflan 75WSP may cause some staining of plastic hoses and tanks.
12. Apply Surflan 75WSP in 1/2 to 1 inch of sprinkler irrigation.

Chemigation System Calibration
The following is a sample calculation for use of Surflan 75WSP:

- Assume, in this example, 35 acres are to be covered by a chemigation treatment.
- Product required, assuming an application rate of 2 water soluble packets per acre is 70 packets of Surflan 75WSP

  (35 acres X 2 packets/acre = 70 packets)

- For chemigation application, prepare a mixture containing a minimum of 2 gallons of water per water soluble packet of Surflan 75WSP (see "Mixing Directions").

  (70 packets X 2 gallons/packet = 140 gallons)

- Adjust the injection system to deliver 140 gallons during the time required to apply 1 inch of water to 35 acres.

- If the irrigation system requires 5 hours to apply 1 inch of water to 35 aces, the injection rate is 28 gallons per hour and is calculated as follows:

  140 gallons ÷ 5 hours = 28 gallons per hour (0.467 gallons/min or 60 fl oz/min)

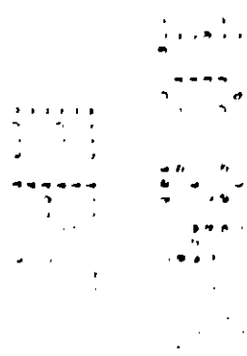
- Proper calibration requires the injection pump to be adjusted to deliver 60 fl. oz. per minute and is calculated as follows:

  28 gallons/hr ÷ 60 min/hr = 0.467 gallons per min or 60 fl oz per min
  (0.467 gallons per min X 128 fl oz per gallon = 60 fl oz per min)

Mixing Directions

Prepare a mixture (slurry) for use in the chemigation system by adding the required amount of Surflan 75WSP to 1/2 of the required volume of water (1 gallon of water per packet of Surflan 75WSP). Start agitation and while mixing add sufficient water to bring the total injection volume to a minimum of 2 gallons of water per packet of Surflan 75WSP. Meter the mixture into the irrigation system during the entire irrigation period. Maintain agitation within the supply tank throughout the irrigation period.

Note: Additional dilution of Surflan 75WSP may be necessary for accurate calibration of equipment not designed for low volume injection.



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Replaces EA 3259

Revisions: "Directions for Use" and "Chemigation Instructions" for Surflan 75WSP are combined