

62719-578

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Brian L. Bret, Ph.D.  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268

FEB 24 2011

Dear Dr. Bret:

Subject: Supplemental Label Amendment; Corrected Rates  
Kerb 3.3 SC  
EPA Registration No. 62719-578  
Submission Date: February 22, 2011

The supplemental labeling referred to above and submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. At your next label printing, or within eighteen months of the date of this letter, whichever comes first, you must incorporate this supplemental labeling into the main product labeling. A stamped copy of the label is enclosed for your records. Please submit one copy of your final printed label before you release the product for shipment. If you have any questions regarding this letter, please contact me at (703) 306-0415 or [davis.kable@epa.gov](mailto:davis.kable@epa.gov).

Sincerely yours,

Kable Bo Davis  
Product Manager (25)  
Herbicide Branch  
Registration Division (7505P)

Enclosure- Stamped Supplemental Label

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**Restricted Use Pesticide**

Because pronamide has produced tumors in laboratory animals, this product is for retail sale to and use only by Certified Applicators or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

# Supplemental Labeling



Dow AgroSciences LLC      9330 Zionsville Road      Indianapolis, IN 46268-1054 USA

## Kerb® 3.3 SC

EPA Reg. No. 62719-578

### Chemigation Application on Head Lettuce, Endive, Escarole or Radicchio Greens (For Use in Arizona and California)

- 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.
- All applicable use directions, precautions and restrictions on the product label for Kerb 3.3 SC as well as this supplemental labeling must be followed.

### Directions for Use

#### Chemigation Application on Head Lettuce, Endive, Escarole or Radicchio Greens (For Use in Arizona and California)

Notwithstanding chemigation prohibition on package label, this supplemental permits chemigation on the crops listed. Kerb® 3.3 SC herbicide may be applied by chemigation for weed control in direct seeded or transplanted head lettuce, endive, escarole or radicchio greens but must be applied prior to weed emergence. Application may be made preemergence to head lettuce, endive, escarole, or radicchio greens or postemergence to head lettuce. **Do not apply postemergence to endive, escarole, or radicchio greens.**

**Application Rate:** Apply Kerb 3.3 SC at the rate of 1.25 to 2.5 pints per acre (0.5 to 1.0 lb active ingredient per acre) depending upon soil type, weed species and level of infestation.

Weeds	Pints Kerb 3.3 SC Per Acre Chemigation Application <sup>1</sup>	Soil Texture Group <sup>1</sup>
Susceptible annual grasses and broadleaf weeds	1.25 to 2.5 (Surface application)	Coarse and medium textured soils
	1.25 to 2.5 (Surface application)	Fine textured soils

<sup>1</sup> Soil Texture Group  
 Coarse: sand, loamy sand, sandy loam  
 Medium: loam, silt loam, silt, sandy clay loam  
 Fine: silty clay loam, clay loam, sandy clay, silty clay, clay

**ACCEPTED**  
 FEB 24 2011  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 62719-578

**Application Moisture Requirements:** Kerb 3.3 SC acts mainly through root absorption; therefore, it is necessary to move Kerb 3.3 SC into the root zone of germinating weeds to provide effective control. This can be accomplished by applying a minimum of 0.75 inch of overhead sprinkler irrigation when applied by chemigation to fields that have been pre-irrigated.

**Time of Treatment:** Applying Kerb 3.3 SC following initial irrigation of the crop will limit movement of the herbicide below the root zone of germinating weeds and may improve weed control. The optimal application timing following pre-irrigation will vary depending season, weed species present and environmental conditions. The following recommendations are provided as a general guideline:

Timing	Date	Application Timing (Days After Starting Sprinklers)
early	Sept. 1 to Oct 15	1 – 3
mid	Oct 15 to Dec 15	3 – 6
late	Dec 15 to Jan	5 – 6

**Chemigation Equipment:** Kerb 3.3 SC may be applied through center pivot, lateral move, solid set or hand move systems capable of uniform delivery of the herbicide. Solid set or hand move systems should be capable of delivering a uniform pressure of 60 to 70 psi at all nozzles. Pipes and nozzles must be positioned to provide uniform coverage of the treatment area. Placement of nozzles in diamond shaped (◆) pattern will provide more uniform coverage. Do not apply when wind velocity is sufficient to distort uniformity of coverage or cause drift to susceptible non-target plants.

The injection-metering pump must be calibrated as specified by the manufacturer and checked periodically during application to insure proper operation. Pesticide injection hoses, which connect chemigation-metering equipment to the sprinkler irrigation system, should be of braided reinforced construction with an internal tube made of nylon, cross-linked polyethylene, or high-density polyethylene.

**Mixing:** Mixing tanks should be large enough to contain the entire amount of herbicide mixture for the area to be treated. Use a minimum of 3 gallons of water per 1.2 pints of Kerb 3.3 SC. Agitation of the herbicide mixture is required at all times during mixing and application (injection).

**Application:** For hand move or solid set systems set to deliver about 1/10 inch of water per hour, Kerb 3.3 SC should be injected over a period of 1 to 2 hours. Once the herbicide has been injected, continue irrigation for at least the time required to flush the system and deliver additional irrigation sufficient to incorporate the herbicide into the upper inch of soil.

**Chemigation Use Restrictions for Head Lettuce, Endive, Escarole or Radicchio Greens**

- Do not apply Kerb 3.3 SC to direct seeded varieties of head lettuce, endive, escarole and radicchio greens that will be harvested less than 55 days after treatment or transplanted head lettuce that will be harvested less than 35 days after application.
- Do not apply more than one application of Kerb 3.3 SC per season to head lettuce, endive, escarole, or radicchio greens.
- Do not apply Kerb 3.3 SC postemergence to endive, escarole, or radicchio greens.
- Do not apply more than 2.5 pints (1.0 lb ai) per acre of Kerb 3.3 SC.

**Chemigation Instructions**

Do not apply this product through any irrigation system unless the instructions for chemigation are followed. Apply this product only through continuously moving center pivot, lateral move end tow, solid set, or hand move 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 nonuniform 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 on the pesticide container label 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**

1. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.
2. 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.
3. The pesticide injection pipeline must contain a functional automatic, quick closing check valve to prevent the fluid back toward the injection pump.
4. 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
6. 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 that pesticide distribution is adversely affected.
7. 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.
8. **Do not** apply when wind speed favors drift beyond the area intended for treatment.

**This supplemental label expires on February 23, 2014 and must not be used or distributed after this date.**

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R361-011  
EPA accepted: \_\_/\_\_/\_\_  
Replaces: R361-002