

PLEASE NOTE

**This image contains more than one label
approved for this product on this date.**

62719-397

10/18/2007

1/a



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

OCT 18 2007

Ms. Kimberly Gilbert
Dow AgroSciences
Indianapolis, IN 46268

Subject: Kerb 50 -W Herbicide
EPA Registration No. 62719-397
Supplemental labeling for chemigation in lettuce submitted June 8, 2007

Dear Ms. Gilbert:

The supplemental amended labeling referred to above is acceptable provided that you meet the following conditions:

1. Make all of the changes specified in the document "Summary of Comments on Microsoft Word - R156-033 Kerb 50-W Sec 3 Chemigation and Use in Lettuce 01June07d.doc".
2. Submit final labeling for this product within 30 days of the date of this letter.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

This supplemental labeling expires on October 9, 2008. The supplemental label use directions should be added to the master label for this product prior to this expiration date. A stamped copy of the label is enclosed for your records. If you have any questions about this letter, you may call Tobi Colvin-Snyder at 703-305-7801.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Tompkins".

Jim Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

Summary of Comments on Microsoft Word - R156-033 Kerb 50-W Sec 3 Chemigation and Use in Lettuce 01June07d.doc

Page: 1

Author: tsnyder
Subject: Highlight
Date: 10/11/2007 11:14:34 AM

T Make this type larger to make it clear that it is an overall heading for the sections that come after it. (See note for "Use in Lettuce..." section).

Page: 3

Author: tsnyder
Subject: Cross-Out
Date: 10/18/2007 2:58:01 PM

T

Author: tsnyder
Subject: Inserted Text
Date: 10/18/2007 2:58:40 PM
T on the pesticide container label

Author: tsnyder
Subject: Highlight
Date: 10/11/2007 11:16:42 AM
T Make the typeface larger to make it clear that this is a new section and to distinguish it from the section on chemigation that precedes it, as well as from the subsections that come after it.

Author: tsnyder
Subject: Replacement Text
Date: 10/9/2007 12:00:44 PM
T may be applied

Page: 4

Author: tsnyder
Subject: Replacement Text
Date: 10/9/2007 12:04:32 PM
Ⓣ_A may not be used

Author: tsnyder
Subject: Replacement Text
Date: 10/9/2007 12:01:02 PM
Ⓣ_A specified

Author: tsnyder
Subject: Replacement Text
Date: 10/9/2007 12:04:58 PM
Ⓣ_A instructions

Author: tsnyder
Subject: Replacement Text
Date: 10/9/2007 12:05:20 PM
Ⓣ_A specified

Author: tsnyder
Subject: Replacement Text
Date: 10/9/2007 12:05:39 PM
Ⓣ_A specified

OCT 18 2007

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
62719-397

Supplemental Labeling



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

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.

Kerb[®] 50-W EPA Reg. No. 62719-397

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

Use in Lettuce (Transplanted and Leaf Lettuce) (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 50-W as well as this supplemental labeling must be followed.

Directions for Use

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

Kerb 50-W may be applied by chemigation for weed control in direct seeded or transplanted lettuce, endive, escarole or radicchio but must be applied prior to weed emergence. Application may be made preemergence or postemergence to the crop. **Do not apply postemergence to leaf lettuce, endive, escarole, or radicchio greens.**

Application Rate: Apply Kerb 50-W at the rate of 1 to 2 lb per acre (0.5 to 1 lb active ingredient per acre) depending upon soil type, weed species and level of infestation.

Application Moisture Requirements: Kerb 50-W acts mainly through root absorption; therefore, it is necessary to move Kerb 50-W 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 50-W following initial irrigation of the crop will avoid movement of the herbicide below the root zone of germinating weeds and 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 50-W 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 pound of Kerb 50-W. Add Kerb 50-W water soluble packets slowly and allow packets to disperse completely before beginning injection. Agitation of the herbicide mixture is required at all times during mixing and application (injection).

Application: For hand move or solid set systems set up to deliver about 1/10 inch of water per hour, Kerb 50-W should be injected over a period of 1 to 2 hours. Once the herbicide has been injected, continue irrigation for an additional 4 to 6 hours to flush the system and deliver additional irrigation sufficient to incorporate the herbicide into the upper inch of soil.

In pre-irrigated fields, center pivot or lateral move systems should be set up to deliver a minimum of 0.75 inch of irrigation water with the chemigation treatment. In center pivot or lateral move systems, the herbicide mixture should be injected continuously throughout the irrigation cycle.

Use Restrictions for Lettuce, Endive, Escarole or Radicchio

- In Fresno County, use only in the months of August through September
- Do not apply Kerb 50-W to direct seeded varieties that will be harvested less than 55 days after treatment or transplant or to leaf lettuce that will be harvested within 35 days of application.
- Do not apply more than one application of Kerb 50-W to each crop of lettuce, endive, escarole, or radicchio greens.
- Do not apply Kerb 50-W postemergence to leaf lettuce, endive, escarole, or radicchio greens.
- Do not apply more than 2 lb per acre of Kerb 50-W.

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 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.

Use in Lettuce (Transplanted and Leaf Lettuce) (For Use in Arizona and California)

Kerb 50-W is a selective herbicide for the control of certain annual grasses and broadleaf weeds in direct seeded leaf lettuce or transplanted lettuce which will be harvested 35-days or more after application of Kerb 50-W.

Weeds Controlled

Kerb 50-W is effective at 2.0 to 3.0 pounds of product (1.0 to 1.5 pounds active ingredient) per treated acre for the preemergence control of the following weeds:

Grasses		Broadleaf Weeds	
Barley, Foxtail	Goosegrass	Carpetweed	Nettle, Burning
Barley, Volunteer	Lovegrass	Chickweed, Common	Nightshade, Black
Barnyardgrass	Oats, Volunteer	Goosefoot, Nettleleaf	Nightshade, Hairy
Bluegrass, Annual	Panicum, Fall	Henbit	Purslane, Common
Brome, Downy (Cheatgrass)	Ryegrass, Italian	Knotweed	Rocket, London †
Canarygrass	Rye, Volunteer	Lambsquarters, Common	Shepherdspurse †
Crabgrass	Wheat, Volunteer	Morningglory, Annual	Smartweed, Pale
Foxtail, Yellow		Mustard, Wild †	Tomato, Volunteer

† Suppression only

Dosage

Kerb 50-W is recommended at the rate of 2.0 to 3.0 pounds of product (1.0 to 1.5 pounds active ingredient) per acre broadcast application. The dosage rate required is dependent on soil texture. At

rates recommended on this label, Kerb 50-W is not recommended for weed control on highly organic (peat and muck) soils. For direct seeded leaf lettuce and transplanted lettuce follow the dosage recommendations listed in the chart on the next page.

Pounds Kerb 50-W Per Acre Broadcast Application ¹		
Weeds	Dependable Rainfall or Overhead Irrigation	Soil Texture Group ²
Susceptible annual grasses and broadleaf weeds	2.0- 3.0 (Surface application)	Coarse and medium textured soils
	3.0 (Surface application)	Fine textured soils

¹ Reduce dosage rate accordingly for banded applications.

² 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

Crop Tolerance

Most varieties of leaf lettuce and transplanted lettuce are highly tolerant of the recommended rates of Kerb 50-W.

Timing and Method of Application

Kerb 50-W can be applied either pre-plant, post-plant or postemergence to transplanted or leaf lettuce in banded, bed-topped or broadcast applications. Most applications will be made preemergence to the lettuce just before or after planting and preemergence to the weeds. Applications can be made before or after lettuce thinning but should be made prior to weed emergence. Do not apply Kerb 50-W to transplanted lettuce or leaf lettuce varieties that will be harvested less than 35 days after the Kerb treatment. Do not apply more than one application of Kerb 50-W to each crop of lettuce.

Mix the recommended amount of Kerb 50-W in clean water and apply uniformly with a ground sprayer in 20 to 50 gallons of water per treated acre. Reduce dosage and volume accordingly for banded treatments. Use a standard low-pressure sprayer equipped with flat fan nozzles that provide uniform spray distribution.

Application-Moisture Requirements

Kerb 50-W acts mainly through root absorption, therefore it is necessary to move Kerb 50-W into the root zone of germinating weeds to provide effective control. This should be accomplished only by overhead sprinkler irrigation or by dependable rainfall.

Sprinkler Irrigation

Kerb 50-W should be applied to the soil surface without mechanical incorporation after direct seeding or transplanting and followed by overhead irrigation. An initial irrigation of 1 or 2 inches should promptly follow the application of Kerb 50-W, especially in hot weather.

Application Dependent on Natural Rainfall

In areas of dependable natural rainfall, Kerb 50-W can be applied as a surface treatment preemergence to the weeds. Applications to direct seeded leaf lettuce or transplanted lettuce are most successful when followed by 1/2 to 1 inch of rainfall within two to three days after application.

Furrow Irrigation-Mechanical Incorporation

Kerb 50-W at dosage rates listed on this label is not recommended in furrow-irrigated lettuce; or where the product is soil incorporated by mechanical means, since weed control will be reduced if these cultural practices are used.

Hoeing, thinning or shallow cultivation of soil treated with Kerb 50-W will not destroy its herbicidal activity.

Temperature

Kerb 50-W is not highly volatile, but it may degrade rather quickly if left exposed on the soil surface in warm weather. If applied when air temperatures exceed 85°F, it should be watered into the soil as soon as possible, preferably within 1 or 2 days.

Rotation Crops

Where rotation crops are to follow within one year of the Kerb 50-W treatment to lettuce, follow the directions given in the General Information section of the container label under rotation crop planting information.

Specific Use Restrictions—Lettuce (transplanted and leaf lettuce)

- Do not apply Kerb 50-W to lettuce varieties that will be harvested less than 35 days after treatment.
- Do not apply more than one application of Kerb 50-W to each crop of lettuce.

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R156-033

EPA accepted: / /

Initial printing.

NEXT

LABEL

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

OCT 18 2007

Ms. Kimberly Gilbert
Dow AgroSciences
Indianapolis, IN 46268

Subject: Kerb 50 -W Herbicide
EPA Registration No. 62719-397
Supplemental labeling for aerial application in lettuce submitted June 8, 2007

Dear Ms. Gilbert:

The supplemental amended labeling referred to above is acceptable provided that you meet the following conditions:

1. Make all of the changes specified in the document "Summary of Comments on Microsoft Word - R156-032 Kerb 50-W Sec 3 Aerial Application in Lettuce 01June07d.doc".
2. Submit final labeling for this product within 30 days of the date of this letter.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

This supplemental labeling expires on October 9, 2008. The supplemental label use directions should be added to the master label for this product prior to this expiration date. A stamped copy of the label is enclosed for your records. If you have any questions about this letter, you may call Tobi Colvin-Snyder at 703-305-7801.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Tompkins".

Jim Tompkins
Product Manager 25
Herbicide Branch
Registration Division (7505C)

Summary of Comments on Microsoft Word - R156-032 Kerb 50-W Sec 3 Aerial Application in Lettuce 01June07d.doc

Page: 1

Author: tsnyder
Subject: Replacement Text
Date: 10/11/2007 11:10:48 AM
T_A must

Author: tsnyder
Subject: Cross-Out
Date: 10/9/2007 12:08:59 PM
T

Author: tsnyder
Subject: Replacement Text
Date: 10/9/2007 12:09:17 PM
T_A specified

Supplemental Labeling



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

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.

Kerb® 50-W

EPA Reg. No. 62719-397

For Grass and Weed Control in Lettuce - Aerial Application

(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.
- Read this supplemental labeling and the label affixed to the container for Kerb® 50-W herbicide before applying.
- All applicable use directions, precautions and restrictions on the product label for Kerb 50-W as well as this supplemental labeling must be followed.

Directions for Use

Notice: Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions, and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not accepted, return the product unopened within thirty days of purchase to the place of purchase.

Kerb 50-W may be applied by aircraft for preemergence control of susceptible grasses and broadleaf weeds in lettuce. Kerb 50-W should be applied at the dosage rate of 2.0 to 4.0 pounds of product (1.0 to 2.0 pounds active ingredient) per treated acre depending on soil type (refer to comments under Dosage Recommendation Chart on the EPA-registered label). Mix the recommended amount of Kerb 50-W in 10 to 20 gallons of water per acre for aerial application. For aerial applications of Kerb on lettuce, consult the label carefully for plantback information. Avoid drift to all other crops and non-target areas.

ACCEPTED
with COMMENTS
in EPA Letter Dated

OCT 18 2007

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

62719-397

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R156-032
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Initial printing.