

05/18/2011



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

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

MAY 18 2011

Morris Gaskins  
Albaugh, Inc.  
P.O. Box 2127  
Valdosta, GA 31604

Subject: Supplemental Label (For Use in Pasture, Rangeland, CRP Land, and  
Switchgrass Establishment and Maintenance)  
Quinclorac 4L AG  
EPA Reg. No. 42750-169  
Application Dated April 12, 2011  
Resubmission Dated May 17, 2011

Dear Mr. Gaskins:

The supplemental labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable.

The supplemental labeling must be incorporated into the main product labeling within eighteen (18) months of the date of this letter.

A stamped copy of your label is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this letter must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions, please contact Mindy Ondish at (703)605-0723 or at [ondish.mindy@epa.gov](mailto:ondish.mindy@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

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

**QUINCLORAC 4L AG**  
EPA Reg. No. 42750-169

Supplemental Label For Use in Pasture (including pasture grown for hay), Rangeland, Conservation Reserve Program Land (CRP), and Switchgrass Establishment and Maintenance

**This Supplemental Label Expires On June 1, 2014 and Must Not Be Used Or Distributed After This Date.**

**ACTIVE INGREDIENT:**

Quinclorac: 3,7-dichloro-8-quinolinecarboxylic acid . . . . . 40.0%

**OTHER INGREDIENTS:** . . . . . 60.0%

**TOTAL:** . . . . . 100.0%

Contains 3.8 pounds of quinclorac per gallon

**Observe and follow all applicable directions, restrictions, Worker Protection Standard Requirements, Precautionary Statements, and mixing and application instructions on the QUINCLORAC 4L AG EPA-approved label before using.**

**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.

Refer to the QUINCLORAC 4L AG main container label, EPA Reg. No. 42750-169, for complete Directions for Use and all applicable restrictions and precautions. All applicable directions, restrictions, precautions and Conditions of Sales and Warranty are to be followed.

Users must have the full QUINCLORAC 4L AG container label and this supplemental label in possession at the time of pesticide application.

**USE INFORMATION**

QUINCLORAC 4L AG is a liquid flowable product intended for selective control or suppression of perennial weeds, and the selective control of annual weeds (see Table 1. Target Weeds). QUINCLORAC 4L AG may be used in established pasture, rangeland, Conservation Reserve Program land (CRP), and switchgrass establishment and maintenance as a postemergence product with residual control.

QUINCLORAC 4L AG is taken into the plant through both the foliage and the roots. Adequate rainfall after application and good soil moisture is important for root uptake. Uniform spray coverage is important for consistent weed control.

Visual symptoms of weed control with QUINCLORAC 4L AG include twisting, stunting, reddening, and chlorosis followed by necrosis and death. Visual symptoms of weed control may take more than 3 weeks following application to develop on perennial weeds (see Table 1. Target Weeds). The full effect of QUINCLORAC 4L AG on perennial weeds may not be evident for 3 to 6 months after application. For annual weeds, visual symptoms may take up to 2 weeks following application to develop.

MANUFACTURED FOR:  
Albaugh, Inc.  
1525 NE 36<sup>th</sup> Street  
Ankeny, IA 50021

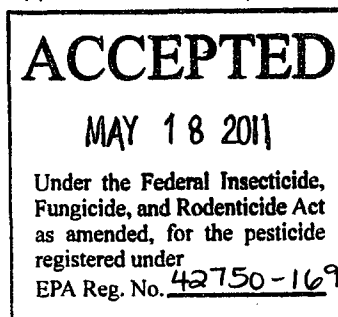


Table 1. Target Weeds

<b>WEEDS CONTROLLED</b>	<b>WEEDS SUPPRESSED*</b>
<b>Annual Grasses</b>	<b>Annual Broadleaves</b>
Barnyardgrass	Kochia
Crabgrass, large	Lambsquarters, common
Foxtail, giant	Ragweed, common
Foxtail, green	Ragweed, giant
Foxtail, yellow	Sunflower, wild
Signalgrass, broadleaf	Thistle, Russian
	Velvetleaf
<b>Annual Grasses</b>	<b>Annual Broadleaves</b>
Bedstraw, catchweed	Dandelion
Clovers	Sowthistle, Perennial
Lettuce, prickly	Thistle, Canada
Morningglory, spp.	
Flax, volunteer	
<b>Perennial Broadleaves</b>	
Bindweed, field	
Bindweed, hedge	
Spurge, leafy	

\*For improved control, add a labeled tank mix product that is active on listed species

**APPLICATION INSTRUCTIONS**

QUINCLORAC 4L AG® herbicide may be applied at 4.5 to 25.0 fluid ounces/acre to control grasses and broadleaf weeds, including field bindweed and leafy spurge (see Table 1. Target Weeds).

**Field Bindweed Control**

QUINCLORAC 4L AG may be applied in the fall prior to the first frost. Applications of QUINCLORAC 4L AG for bindweed control should be made to actively growing bindweed (at least 4 inches of succulent growth). For optimum long-term control of bindweed, QUINCLORAC 4L AG should be used in a three-year planned program applying 8.0 fluid ounces/acre the first year and 4.5 to 8.0 fluid ounces/acre in subsequent years.

**Leafy Spurge Control**

Applications of QUINCLORAC 4L AG for control of leafy spurge should be made either pre-bloom (at yellow bract) or in the fall before the first frost. Apply QUINCLORAC 4L AG at a rate of 25.0 fluid ounces/acre, or as a tank mix at 12.5 fluid ounces/acre plus Overdrive® herbicide at 4 to 6 ozs/acre. QUINCLORAC 4L AG applied alone at 12.5 fluid ounces/acre will provide only suppression of leafy spurge. See Table 2. Application Rates for specific rates.

Table 2. Application Rates

<b>Target Weeds</b>	<b>Rate per Acre (fluid ounces product)</b>
Grass and broadleaf control	8.0 to 12.5
Bindweed control	8.0
Bindweed maintenance	4.5
Leafy spurge control	12.5* to 25.0

\*Will provide only suppression, must be tankmixed with Overdrive at 4 to 6 fl. oz./acre for effective control

**SPRAY ADDITIVES**

QUINCLORAC 4L AG should be applied with 1.5 pints/acre of methylated seed oil or 2.0 pints/acre of crop oil concentrate. A nitrogen fertilizer source [ammonium sulfate (AMS) at 2.5 lbs/acre or urea ammonium nitrate (UAN) at 2 to 4 qts/acre] may also be added to enhance product performance.

**TANK MIXING INFORMATION**

QUINCLORAC 4L AG may be tank mixed with other herbicides labeled for use in pasture and rangeland unless prohibited on the respective product label. The most restrictive labeling applies to tank mixes.

Table 3. QUINCLORAC 4L AG may be used in the following pasture and rangeland grasses

<b>Cool Season Grasses</b>
Bromegrass: smooth, meadow, smooth X meadow cross
European dunegrass
Fescue: fine <sup>1</sup> , tall
Junegrass
Kentucky bluegrass
Needle-and-thread
Needlegrass: green
Orchardgrass
Ryegrass: annual, Indian, perennial
Wheatgrass: bluebunch, bluebunch X quack cross, crested, fairway, fairway X crested cross, intermediate, pubescent, Siberian, slender, tall, thickspike, Western
Wildrye: Altai, basin, beardless, Dahurian, mammoth, Russian
<sup>1</sup> Apply QUINCLORAC 4L AG to fine fescue only when it is part of a blend.
<b>Warm Season Grasses</b>
Bermudagrass <sup>2</sup>
Bluestem: big, little, sand
Buffalograss
Eastern gamagrass
Gramma: blue, side-oats
Indiangrass
Lovegrass
Sandreed: prairie
Switchgrass
<sup>2</sup> Applications of QUINCLORAC 4L AG to Bermudagrass may result in temporary yellowing (chlorosis) under certain conditions.

**Switchgrass establishment and maintenance for biofuel, forage, wildlife habitat, and conservation plantings**

QUINCLORAC 4L AG may be used for the establishment and maintenance of switchgrass. Apply 8.0 to 12.5 fluid ounces/acre QUINCLORAC 4L AG at planting or as an early postemergence treatment for weed control in newly planted switchgrass. QUINCLORAC 4L AG may be applied with other labeled herbicides to improve the spectrum of weeds controlled during the establishment and maintenance of switchgrass.

### RESTRICTIONS AND LIMITATIONS

- Maximum Seasonal Use Rate: DO NOT apply more than a total of 25.0 fluid ounces of QUINCLORAC 4L AG per acre per calendar year.
- Restricted-entry Interval (REI): 12 hours
- Crop Rotation Restrictions: Refer to and follow the EPA-approved container label for specific information on crop rotations following QUINCLORAC 4L AG application.
- Rainfast Period: QUINCLORAC 4L AG is rainfast 6 dry hours after application.
- Wind Speed for Ground Applications: DO NOT apply QUINCLORAC 4L AG when wind is blowing more than 10 mph.
- DO NOT apply to weeds under stress due to lack of moisture, flooding, hail damage, herbicide injury, mechanical injury, or cold temperatures because unsatisfactory control may result.
- DO NOT use selective application equipment such as recirculating sprayers, wiper applicators, or shielded applicators.
- DO NOT apply to water or to areas where surface water is present.
- DO NOT apply to irrigation ditches or areas that act as a channel for water entering cropland.
- DO NOT apply through any type of irrigation equipment.
- DO NOT apply QUINCLORAC 4L AG using aerial equipment in specific states or counties listed in QUINCLORAC 4L AG herbicide Aerial Use Restrictions of the main label.
- DO NOT allow QUINCLORAC 4L AG to drift onto other desirable plants, especially sensitive crops belonging to the following plant families:
  - *Solanaceae* [tomato, potato, tobacco, eggplant, peppers (*Capsicum*), among others]
  - *Umbelliferae* (celery, parsley, carrots, among others)
  - *Leguminosae* (alfalfa, green bean, among others)
  - *Convolvulaceae* (sweet potato, among others)
  - *Chenopodiaceae* (spinach, sugar beet, among others)
  - *Malvaceae* (okra, among others)
  - *Cucurbitaceae* (watermelon, cantaloupe, squash, pumpkin, among others)
  - *Compositae* (lettuce, sunflowers, among others)
  - *Linaceae* (flax)
- DO NOT allow spray containing QUINCLORAC 4L AG to drift onto areas where tomatoes are to be planted, have been planted, or onto emerged tomatoes because severe injury will occur.
- DO NOT cut treated area for hay within 7 days after treatment.

### STATE-SPECIFIC RESTRICTIONS

Because there are additional state restrictions in Arkansas, contact the Arkansas Plant Board or a representative for specific instructions about applying QUINCLORAC 4L AG in Arkansas.

In Arkansas, QUINCLORAC 4L AG (quinclorac) must not be applied in an area from one-mile west of Highway No. 1 to one-mile east of Highway No. 163 from the Craighead/Poinsett county line to the Cross/Poinsett county line.

Furthermore, NO AERIAL APPLICATION is allowed in the area of Poinsett County one-mile west of Highway No. 1 to two-miles west of Highway No. 1 and one-mile east of Highway No. 163 to Ditch No. 10 from the Craighead/Poinsett county line to the Cross/Poinsett county line or any other county in Arkansas.