

66222-19

08/09/2007

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

AUG 9 2007

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Jane Rothwell
Registration Specialist
Makhteshim-Agan of North America
4515 Falls of Neuse Road
Raleigh, NC 27609

Subject: Supplemental Label: Revised PHI, restrictions and application rates for corn (Field Corn and Sweet Corn, including Corn Grown for Seed)
EPA Reg. No. 66222-19
Chlorpyrifos 4E AG
Resubmission dated August 7, 2007

Dear Ms. Rothwell:

The supplemental labeling for corn referred to above is acceptable:

The following instructions must be followed for quick implementations and incorporation of the label into the section 3 label

1) You must make the new approved supplemental label available to all distributors and users immediately. The Agency recommends that the registrant send distributors, dealers and other key end-users e-mail/letters/FAX forwarding the revised labeling and explanations for quick implementation.

2) Please incorporate the supplemental label changes and all the other chlorpyrifos mitigation language required by the IRED into the section 3 label. Please submit the revised section 3 label for re-registration within a month from the date of this letter by e mail and/or paper copies.

A stamped copy "accepted" of the supplemental label is enclosed for your records.
If you have any questions please call me at (703) 308-8328.

Sincerely yours,

A handwritten signature in black ink that reads "Akiva Abramovitch".

Akiva Abramovitch, Ph. D.
Insecticide/Rodenticide Branch
Registration Division (7505P)

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RESTRICTED USE PESTICIDE
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.

CHLORPYRIFOS 4E AG

EPA Reg. No. 66222-19

SUPPLEMENTAL LABELING

ACCEPTED
AUG 9 2007
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 66222-19

DIRECTIONS FOR USE

- It is a violation of Federal law to use this product inconsistent with its labeling.
- This supplemental labeling must be in the possession of the user at the time of pesticide application.
- Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label.

ACTIVE INGREDIENT

Chlorpyrifos: 0,0-diethyl-O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate 42.5%

INERT INGREDIENTS* 57.5%

TOTAL 100.0%

Contains 4 pounds of chlorpyrifos per gallon

* Contains aromatic petroleum distillates

KEEP OUT OF REACH OF CHILDREN WARNING-AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

CORN (FIELD), CORN (SWEET) (INCLUDING CORN GROWN FOR SEED)

Conservation Tillage: Preplant, At-Plant, or Preemergence Applications

Apply as a broadcast spray to surface trash and exposed soil using power-operated ground spray equipment. Use a total spray volume of 20 gpa or more. Use a higher rate in the rate range to extend residual control.

Tank-Mixing: Chlorpyrifos 4E AG may also be applied in tank mixtures with paraquat or glyphosate and/or liquid fertilizer solutions. See **MIXING DIRECTIONS** section in the product label for tank mixing instructions. Read and carefully follow all applicable directions, restrictions, and precautions on labeling for each product used in combination with Chlorpyrifos 4E AG.

TARGET PESTS	CHLORPYRIFOS 4E AG
Armyworms, Cutworms.	1-2 pints/acre

Postemergence Application

Apply as a postemergence broadcast spray using sufficient spray volume to ensure thorough coverage of treated plants, but no less than 15 gallons per acre (gpa) for ground spray equipment or 2 to 5 gpa for aircraft equipment. Control may be reduced at low spray volumes under high temperature and wind conditions. Chlorpyrifos 4E AG may be tank-mixed with glyphosate products such as Glyphomax® XRT herbicide or Durango™ herbicide when application is to be made to glyphosate-tolerant corn. **Note:** Do not apply aerially in Mississippi.

Chemigation: Chlorpyrifos 4E AG may be broadcast applied postemergence through sprinkler irrigation systems at recommended application rates to control listed foliar pests. For best results, tank mix

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Chlorpyrifos 4E AG with 2 pints of non-emulsifiable oil. See **SPRINKLER IRRIGATION** Section of the product label for application instructions.

TARGET PESTS	CHLORPYRIFOS 4E AG
Grasshoppers	1/2-1 pint/acre
Aphids, Armyworms, Chinch bugs (1), Corn rootworm adults (2), Cutworms (3), European corn borer (5), Flea beetle adults (1), Southern corn leaf beetle, Webworms (4), Western bean cutworm	1-2 pints/acre
Corn earworm, Southwestern corn borer (6)	1 1/2-2 pints/acre
Billbugs(1), Common stalk borer (9), Corn rootworm larvae (7),(8), Lesser cornstalk borer	2 pints/acre

Pest Specific Use Directions:

1. For best billbug, chinch bug, or flea beetle control, ground apply in a minimum spray volume of 20 to 40 gpa at 40 psi. If corn is less than 6 inches tall, apply in a 9- to 12- inch wide band over the row. For corn greater than 6 inches tall, apply using drop nozzles directed to the base of the plant. Do not reduce the application rate for banded or directed applications. Concentrate the full labeled dosage rate in the treated zone. When chinch bugs continue to immigrate to corn over a prolonged period or under extreme pest pressure, a second application may be needed.
2. The recommended dosage will control silk clipping by corn rootworm adults.
3. For cutworms, it is preferable to apply Chlorpyrifos 4E AG when soil is moist and worms are active on or near the soil surface. If ground is dry, cloddy, or crusted at time of treatment, worms may be protected from the spray and effectiveness will be reduced. Shallow incorporation using a rotary hoe or other suitable equipment immediately before or soon after treatment may improve control. A second application may be required if damage or density levels exceed economic thresholds established for your area.
4. For webworm control, shallow incorporation using a rotary hoe or other suitable equipment immediately before or soon after treatment is necessary.
5. For European corn borer control, use 1 1/2 to 2 pints per acre when application is made with power-operated ground or aerial equipment or 1 to 2 pints per acre when application is made through a sprinkler irrigation system. University research indicates that achieving greater than 50% control of first-generation European borer with a single liquid insecticide treatment is highly dependent upon timing, insecticide placement, and weather conditions.
6. For southwestern corn borer, a second application may be applied 21 days later if needed due to reinfestation.
7. For postemergence control of corn rootworm larvae apply at cultivation. Direct the spray to both sides of the row at the base of the plants just ahead of the cultivator shovels. Cover the insecticide with soil around the brace roots. A cultivation application of Chlorpyrifos 4E AG may be made in addition to an at-planting application of Chlorpyrifos 15G.
8. Chlorpyrifos 4E AG may also be applied through sprinkler irrigation systems at the rate of 2 pints per acre to control corn rootworm larvae. Time the application to coincide with the appearance of the second instar larvae. Apply with enough water to wet the root zone to the depth control needed. If soils are wet, allow enough soil drying to occur such that an application using a minimum amount of water will not produce surface runoff. See Chemigation (**SPRINKLER IRRIGATION**) section of the product label for application instructions.
9. Do not use Chlorpyrifos 4E AG in combination with a burndown herbicide for control of common stalk borer. For common stalk borer control, treat approximately 11 days after application of glyphosate or after burndown with paraquat herbicide is complete (3 to 5 days).

RESTRICTIONS (CORN (FIELD), CORN (SWEET) (INCLUDING CORN GROWN FOR SEED):

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours unless PPE required for early entry is worn. Do not apply within 21 days before harvest of grain or ears. Do not apply more than 3 lb. a.i. chlorpyrifos (6 pints of Chlorpyrifos 4E AG) per acre per season. Do not make more than 3 applications per season of any product containing chlorpyrifos per season, including

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the maximum allowed of 2 granular applications, at the 1 lb a.i. chlorpyrifos rate. Do not make a second application of Chlorpyrifos 4E AG or other product containing chlorpyrifos within 10 days of the first application. The maximum single application rate is 1 lb a.i. chlorpyrifos (2 pints of Chlorpyrifos 4E AG) per acre. Do not apply in tank mixes with Steadfast or Lightning herbicides. If more than 1 lb a.i. granular chlorpyrifos per acre is applied at-plant (for a maximum of 1.3 lb a.i. per acre per season) only 1 additional application of a liquid product containing chlorpyrifos at 1 lb a.i. per acre is allowed per season, for a total of 2.3 lb a.i. chlorpyrifos per acre per season.