

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 15 1993

Mr. James M. Wagner  
Zeneca Ag Products  
1800 Concord Pike  
Wilmington, DE 19897

~~570/10~~

Dear Mr. Wagner:

Subject: Application for Amendment/Extension of Conditional  
Registration  
Karate® Insecticide  
EPA Registration No. 10182-96  
Karate® CSO Insecticide  
EPA Registration No. 10182-331  
Ambush® Insecticide  
EPA Registration No. 10182-18  
Ambush® 25W Insecticide  
EPA Registration No. 10182-35  
Ambush® Insecticide (Water Soluble Pack)  
EPA Registration No. 10182-110  
Your Letter Dated November 8 and November 12, 1993

The Agency accepts your application for amended registration incorporating the terms and conditions stipulated in the subject letter for purposes of extending the registration of the subject product.

Therefore in accordance with FIFRA Section 3(c)(7)(B)(C) the conditional registration of the subject product is extended for a period not to exceed November 15 1996.

A stamped copy of the final labeling submitted November 12, 1993 is enclosed. We agree that this labeling including supplemental labeling will be revised to incorporate the revisions specified in paragraph 2 of the November 12, 1993 letter before distribution or use. Please submit five copies of revised finished labeling when printing is completed.

Sincerely yours,

George T. LaRocca  
Product Manager 13  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

CONCURRENCES

SYMBOL	Enclosure						
SURNAME							
DATE							

**SUPPLEMENTAL PRODUCT LABELING****RESTRICTED USE PESTICIDE**

Due to toxicity to fish and aquatic organisms.

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.

**Karate® CSO Insecticide  
EPA Reg. No. 10182-331****DIRECTIONS FOR USE  
SPRAY RECOMMENDATIONS AND PRECAUTIONS FOR COTTON**

- Do not make more than a total of 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include AMBUSH insecticide, AMMO insecticide, ASANA XL Insecticide, BAYTHROID emulsifiable pyrethroid Insecticide, CAPTURE Insecticide/miticide, DANITOL 2.4 EC Spray insecticide/miticide, FURY Insecticide, KARATE insecticide, MUSTANG insecticide, POUNCE Insecticide and SCOUT XTRA insecticide.
- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

**BEST AVAILABLE COPY**

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

NOV 15 1993

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

10182-331

**OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.**

- Do not apply by ground within 25 feet, or by air within 150 feet of lakes; reservoirs; rivers; permanent streams, marshes, or natural ponds; estuaries and commercial fish farm ponds. Increase the buffer zone to 450 feet when ultralow volume (ULV) application is made.
- For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of wing span or rotor diameter.
- Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided.
- Make aerial or ground applications when the wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph.
- Risk of exposure to aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.
- Do not cultivate within 10 feet of the aquatic area so as to allow growth of a vegetative filter strip.
- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.
- Do not make aerial or ground applications during temperature inversions. Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.