

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

320/5497844
18/4

1995

Mr. Jake Vukich
AgrEvo
Little Falls Centre One
2711 Centerville Road
Wilmington, DE 19808

Dear Mr. Vukich:

Subject: Increased Application Rates
Decis 0.2 EC
EPA Registration No. 34147-8
Your Submission Dated August 7, 1995

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you make the labeling change indicated below prior to release for shipment of product bearing the amended labeling:

1. On the front panel add the word "Poison" in red on a background of distinctly contrasting color and a skull and crossbones.
2. Revise the statement to read "This pesticide is extremely toxic to fish...."
3. The product is classified as an acute hazardous waste. Therefore you should revise the Pesticide Disposal Statement to read as follows: "Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
4. Based on your product's flashpoint, the Physical and Chemical Hazards statement should be revised by deleting the word "Combustible."

CONCURRENCES

SYMBOL							
SURNAME	<i>Weller</i>						
DATE							

Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (7505C)

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 supervision
and only for those uses covered by the certified applicator's certification

DECIS® 0.2 EC
INSECTICIDE
FOR INSECT CONTROL ON COTTON

	Percent by Weight
ACTIVE INGREDIENT	
(1R, 3R)-3(2,2-dibromovinyl)-2, 2-dimethylcyclopropane-carboxylic acid (S)-alpha-cyano-3-phenoxybenzyl ester	2.86%*
INERT INGREDIENTS**	97.4%
TOTAL	100.0%

* Equivalent to 0.2 lb. active ingredient per U.S. gallon
** Contains petroleum distillates

EPA Reg. No. 34147-8	EPA EST. No.
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KEEP OUT OF REACH OF CHILDREN

DANGER-PELIGRO

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

See Side Panels for Additional Precautionary Statements.

Marketed by:
AgrEvo USA Company
2711 Centerville Road
Wilmington, DE 19808

Net Contents:
ACCEPTED
with COMMENTS
in EPA Letter Dated

7/1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
34147-8

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting because of aspiration hazard. Do not give anything by mouth to an unconscious person. Avoid alcohol.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTE TO PHYSICIAN: Probably mucosal damage may contraindicate the use of gastric lavage.

PRECAUTIONARY STATEMENTS

Hazards to Humans (and Domestic Animals)

DANGER

Corrosive. Causes irreversible eye damage. Causes skin irritation. May be fatal if swallowed. Harmful if absorbed through the skin. Harmful if inhaled. Avoid breathing spray mist. Do not get in eyes, on skin, or on clothing. Skin exposure may result in a sensation described as a tingling, itching, burning, or prickly feeling. Onset may occur immediately to 4 hours after exposure and may last 2 to 30 hours, without damage. Wash exposed areas once with soap and water. Relief from the skin sensation may be obtained by applying an oil-based cream.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Handlers who may be exposed to the dilute through application or other tasks must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when mixing or loading, or cleaning equipment

Handlers who may be exposed to the concentrate through mixing, loading, application, or other tasks must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when mixing or loading, or cleaning equipment

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturers instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply it or allow it to drift to crops or weeds on which bees are actively foraging.

Notify state and/or Federal authorities and AgrEvo USA Company immediately if you observe any adverse environmental effects due to the use of DECIS Insecticide.

NOTICE: It is a Federal offense to use any pesticide in a manner that results in the death of a member of an endangered species.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

**IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR
IN CASE OF FIRE, LEAKING, OR DAMAGES CONTAINERS, INFORMATION MAY
BE OBTAINED BY CALLING 800-228-5635, EXT. 202**

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Do not store over 100°F or below 10°F.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Empty containers should be triple rinsed into the spray tank during the spray operation. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves such as barrier laminate or viton
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

APPLICATION

Dilute DECIS 0.2 EC in water according to the directions shown below and use as a foliar spray on cotton at the rates listed. Uniform coverage is essential. Begin applications when economic infestations occur, based on local information, and repeat as needed (observe the restriction in Note 2 below).

Insect*	Pounds AI/A	Fl. oz./A	Dilution Requirements
Boll weevil Cotton bollworm Cotton fleahopper Cotton leafperforator Fall armyworm Pink bollworm Soybean looper** Tobacco budworm			<u>Minimum gallonage requirements:</u> For aerial application use a minimum of two (2) gallons of water per acre (5 gallons in California and 3 gallons in Arizona). For ground applications, use a minimum of 4 gallons of water per acre for thorough coverage of the foliage.
Lygus bug Cutworm	0.013	8.32	<u>Optimum gallonage requirements:</u> For aerial applications under hot, dry environmental conditions or when the crop canopy is dense, gallonage requirements may need to be increased to 3-5 gallons of water plus crop oil concentrate at 1 pint to 1 quart per acre. For ground applications, use a minimum of four (4) gallons of water per acre for thorough coverage of the foliage.
Leafhoppers Plant bugs	to	to	
Thrips Cotton leafworm Cabbage looper Beet armyworm European Corn borer Stink bugs Aphids** Mites** Whitefly** Saltmarsh caterpillar	0.030	19.26	

- * Make the first application as required before insect populations increase to economic significance. Additional applications may be made if insect populations rebuild.
- ** Suppression only.

NOTES:

1. DO NOT make more than ten (10) applications of DECIS 0.2 EC (for a total of no more than 0.3 pound of active ingredient per acre or 192.0 fluid ounces per acre) per growing season.
2. Allow 5 days between successive applications of DECIS 0.2 EC.
3. DO NOT apply DECIS 0.2 EC through any type of irrigation system.
4. DO NOT apply DECIS 0.2 EC within 21 days of harvest.
5. DO NOT apply this product as a ULV application. Dilute the desired amount of DECIS 0.2 EC so that at least 2 gallons of spray solution per acre is applied.

RESISTANCE

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.

If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for your area.

TANK MIX RECOMMENDATIONS

DECIS 0.2 EC Insecticide may be applied in tank mixtures with other products approved for use on cotton. Observe all restrictions and precautions which appear on the labels of those products.

SUPPLEMENTAL 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®, AMMO® 2.5 EC, ASANA® XL, BAYTHROID 2, CAPTURE® 2 EC, CYMBUSH, DANITOL 2.4 EC, FURY™ 1.5 EC, KARATE®, MUSTANG, POUNCE® 3.2 EC AND SCOUT X-TRA™.
- All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.

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.

- 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 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 good 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 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.
- 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.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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DECIS 0.2 EC (D950607)