



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

Date of Issuance:

34147-9

14 SEP 1995

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional
Registration Until
November 15, 1996

Name of Pesticide Product:

DECIS 0.2 EC GEL

Name and Address of Registrant (include ZIP Code):

Hoechst-Roussel Agri-Vet Company
c/o Agrevo USA Company
2711 Centerville Road
Wilmington, DE 19808

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(B) since you have agreed in your letter dated August 1, 1995 to:

a. The same terms and conditions for data generation as stipulated in our November 15, 1993 letter for use of tralomethrin on cotton.

b. The terms and conditions stipulated by the Agency for conditional registration of cotton pyrethroid products, i.e., that the registration and tolerances will automatically expire on November 15, 1996 and November 15, 1997 respectively.

c. To follow risk mitigation policies as determined by the Spray Drift Task Force Data and Industries Cotton Pyrethroid Working Group (PWG). Current synthetic pyrethroid mitigation measure are interim and may be reconsidered or modified.

d. To submit production information (pounds or gallons produced) for this product for the fiscal year in which the use on cotton is conditionally registered in accordance with FIFRA Section 29. The fiscal year begins October 1 and ends September 30.

Signature of Approving Official:

CONCURRENCES

Date:

SYMBOL								
SURNAME	Form 8570-6							
DATE								

and provided that you:

a. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

b. Make the following label changes:

1. Revise the EPA Registration Number to read, "EPA Reg. No. 34147-9".
2. Add the following statement describing "Pyrethroid Syndrome" to Hazards to Humans and Domestic Animals: "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."
3. Under Personal Protective Equipment for handlers exposed to the dilute . . . add the following: "Chemical-resistant apron when mixing or loading, or cleaning equipment."
4. Under Personal Protective Equipment move "Discard clothing and other absorbent materials . . ." to User Safety Recommendations.
5. In the If Swallowed statement revise "Do not induce vomiting" as follows: "Do not induce vomiting because of aspiration hazard."
6. Delete the "icon" referring to Safe Pack Packaging. This logo implies safety of the product which is prohibited on pesticide labeling by title 40 CFR 156.10 (a)(5)(ix).
7. Add the ingredient statement on the water soluble unit pack labeling.

Submit two copies of the revised final printed label for the record.

You should note if you fail to satisfy any of the conditions imposed on this registration, e.g., you fail to submit the required data by the specified deadlines or the data submitted were not generated in accordance with the applicable test guidelines, EPA may issue a notice to cancel this use under FIFRA 6(e).

You should also note that, regardless of whether you satisfy all applicable conditions, this conditional registration will expire automatically on November 15, 1996. Sale and distribution of the subject product bearing labeling for use on cotton after November 15, 1996 will be illegal.

Finally, once the required data have been submitted and evaluated, EPA will entertain an application to amend the registration of the subject product to allow the unconditional use on cotton without any special restrictions on the duration of the registration.

A stamped copy of the label is enclosed for your records.

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 GEL
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.....	2.50%*
INERT INGREDIENTS**.....	97.50 %
	TOTAL 100.0%
* Equivalent to 0.2 lb. active ingredient per U.S. gallon.	
** Contains petroleum distillates	

EPA Reg. No. 34147-XX-45639

EPA EST. No.

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
(Registered US Agent for Roussel-Uclaf)

Net Contents:

ACCEPTED
with COMMENTS
in EPA Letter Dated

14 SEP 1995

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

34147-9

STATEMENT OF PRACTICAL TREATMENT

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

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 skin burns. Do not get in eyes or on clothing. Causes substantial, but temporary, eye injury. May be fatal if swallowed. Harmful if absorbed through the skin. Avoid contact with clothing, and avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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 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

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

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.

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.

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 DAMAGED 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. Do not store this product under wet conditions.

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: Do not reuse outer bag. Dispose of outer bag in a sanitary landfill, by 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 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

GENERAL INFORMATION

DECIS 0.2 GEL is formulated as gelatinous deltamethrin containing the equivalent of 0.2 lb active ingredient per U.S. gallon. DECIS 0.2 GEL is packaged in 1.5 pint water soluble bags. Each water soluble bag contains 0.04 lb. of the active ingredient deltamethrin.

Dilute DECIS 0.2 GEL in water according to the directions and use as a foliar spray at the rates listed below. Uniform coverage is essential. Begin applications when economic infestations occur based on local information and repeat as needed (observe the restrictions in Note 1 and 2). DO NOT enter the treated field before spray is dried.

MIXING, LOADING, AND HANDLING INSTRUCTIONS

GENERAL HANDLING INSTRUCTIONS: Each DECIS 0.2 GEL water soluble bag comes sealed in a clear plastic outer sleeve. Do not break the seal until time of use. To use, open the end of the outer sleeve by tearing along the printed solid black line. Do not use a knife to break the seal. Once the outer protective sleeve is open, the water soluble bag inside can be dropped into the spray tank at the appropriate time without touching it.

DECIS 0.2 GEL MIXING INSTRUCTIONS: Begin filling the spray tank with clear water. When bottom of spray tank is covered with water to a depth of 6-8 inches, add the recommended number of DECIS 0.2 GEL soluble bags. Avoid dropping the soluble bags into the tank in such a way that the bags end up covering the recirculation and outlet holes. After adding bags, continue to fill tank with water. Before agitation, allow 3-4 minutes for bags to dissolve after dropping them into the tank. Tank should be at least 1/2 full when agitation is started. Continue adding water to the tank to achieve the desired level, while maintaining agitation.

HANDLING NOTES

- Do not allow the empty outer sleeve or the tear-strip to fall into spray tank since they are not water soluble and may clog the sprayer
- Do not handle the inner bag with wet gloves since the bag will begin to dissolve on contact with even a small amount of water.
- Do not open the inner bags or attempt to remove the gel from them. The gel is not designed to be re-measured or subdivided.

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Insect *	Pounds AI/A	Dilution requirements
Boll weevil		<u>Minimum gallonage requirements:</u>
Cotton bollworm		For aerial applications use a minimum of
Cotton fleahopper		two (2) gallons of water per acre (5
Cotton		gallons in California and 3 gallons in
leafperforator		Arizona). For ground
Fall armyworm		applications, use a minmum of 4 gallons
Pink bollworm		of water
Soybean looper**		per acre for thorough coverage of the
Tobacco budworm		foliage.
Lygus bug		
Cutworm		
Leafhoppers	0.013	<u>Optimum gallonage requirments</u>
Plant bugs		For aerial applications under hot, dry
Thrips	to	environmental conditions or when the
Cotton leafworm		crop canopy is dense, gallonage
Cabbage looper	0.020	requirements may need to be increased to
Beet armyworm		3-5 gallons of water plus crop oil
European corn		concentrate at 1 pint to 1 quart per acre.
borer		For ground ap plications, use a minimum
Stink bugs		of four (4) gallons of water per acre for
Aphids**		thorough coverage of the foliage.
Mites**		
Whitefly**		
Saltmarsh caterpillar		

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

**** Suppression only**

DETERMINE REQUIRED NUMBER OF DECIS 0.2 GEL Packs

1. Select the intended use rate in lbs. ai/acre (0.013, 0.016, 0.02)
2. Select the number of acres to be treated
3. Determine the number of DECIS 0.2 GEL Packs required for application.

Number of Acres to be treated at a Rate of:			Required Number of DECIS 0.2 GEL Packs
<u>0.013 lbs ai</u> acre	<u>0.016 lbs ai</u> acre	<u>0.02 lbs ai</u> acre	
3	2.5	2	1
6	5	4	2
9	7.5	6	3
12	10	8	4
15	12.5	10	5
18	15	12	6
21	17.5	14	7
24	20	16	8
27	22.5	18	9
30	25	20	10
33	27.5	22	11
36	30	24	12
39	32.5	26	13
42	35	28	14
45	37.5	30	15
48	40	32	16
51	42.5	34	17
-----	45	36	18
-----	47.5	38	19
	50	40	20
	-----	42	21
	-----	44	22
	-----	46	23
	-----	48	24
	-----	50	25

NOTES:

1. DO NOT make more than ten (10) applications of DECIS 0.2 GEL (for a total of no more than 0.2 pound of active ingredient per acre) per growing season.
2. Allow 5 days between successive applications of DECIS 0.2 GEL.
3. DO NOT apply DECIS 0.2 GEL through any type of irrigation system.
4. DO NOT apply DECIS 0.2 GEL within 21 days of harvest.
5. Do not apply this product as a ULV application. Dilute the desired amount of DECIS 0.2 GEL so that at least 20 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 GEL 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

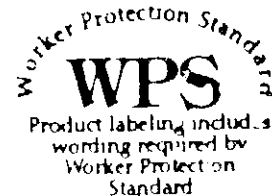
- Do not make more than a total of 10 synthetic pyrethroid applications (of one product or combination of products) to a cotton crop in one growing season. Synthetic pyrethroid products include AMBUSH[®], AMMO[®] 2.5 EC, ASANA[®] XL, BAYTHROID 2, CAPTURE[®] 2EC, CYMBUSH, DANITOL 2.4 EC, FURY[™] 1.5 EC, 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.

(DECIS 0.2 GEL Insecticide is formulated using Gel-Tec™ technology under license from Rhone-Poulenc, Inc.)



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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Danitol is a registered trademark of Valent USA Corporation

SCOUT X-TRA is a registered trademark of AgrEvo

DECIS 0.2 GEL LABEL 950425 DRAFT

***Proposed Water Soluble Unit Pack Labeling for
DECIS® 0.2 GEL***

DECIS® 0.2 GEL

Insecticide for Use on Cotton
Containing Deltamethrin

DANGER - PELIGRO

Keep Out of Reach of Children

EPA Reg. No. 34147-9

Restricted Use Pesticide

See additional precautions and
directions for use on
accompanying labeling and
packaging

Registrant: Roussel-Uclaf



Version 1, 8/18/95