

264-582

12/14/2001

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

264-582

Date of Issuance:

DEC 14 2001

Term of Issuance:

Conditional

Name of Pesticide Product:

Regent 4SC

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Jamin Huang
Aventis Crop Science
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

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, with an expiration date of Dec. 31, 2005, in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit the following studies:
 1. A long term terrestrial field dissipation study for potential soil accumulation under agricultural field conditions.
 2. A long term magnitude of crop residues study.
 3. A surface water monitoring study of fipronil residues in small streams and other surface water bodies in areas of high use of fipronil on corn. A protocol for this study must be submitted within 90 days of the date of this registration notice.
 4. An acceptable storage stability study.
2. Make the following label changes:
 - a. The label requirement that fipronil may not be applied to the same field in consecutive years will be deferred until after the agency has reviewed the studies specified above.

Signature of Approving Official:

Marion J. Johnson, Jr.
Marion J. Johnson, Jr.
Product Manager 3
Insecticide Branch
Registration Division (7505C)

Date:

12/14/01

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b. The requirement that this product may not be applied in counties where endangered species are found will be deferred until after the agency has reviewed the studies specified above.

c. Modify the restricted use statement as follows:
Restricted Use Pesticide
Due to toxicity to aquatic invertebrates
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.

d. Modify the Environmental Hazards Statements the following:
This pesticide is toxic to birds, 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. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

d. Add to the fifth paragraph under the heading "Application."
Observe the following precautions when applying in the vicinity of aquatic areas:
Do not apply within 20 yards (in New York State, do not apply with 100 feet or 33 yards) of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, commercial aquaculture facilities, or other bodies of water that convey water to these areas. Protection of aquatic areas may be enhanced by maintaining all or a portion of this buffer in vegetative cover.

e. Correct spelling in precautionary statements and punctuation in PPE section.

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

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

RESTRICTED USE PESTICIDE

DUE TO TOXICITY TO ESTUARINE INVERTEBRATES AND BIRDS

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.

REGENT® 4 SC Insecticide

Shake Well Before Use

ACTIVE INGREDIENT:

Fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1-H-pyrazole-3-carbonitrile 39.4%

INERT INGREDIENTS 60.6%
(Contains 4 pounds Fipronil per gallon)

EPA Reg No. 264-582

EPA Est. No. 264-MO-02

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 the label, find someone to explain it to you in detail.)

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-888-AVENTIS (1-888-283-6847)

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.

ACCEPTED WITH COMMENTS IN EPA LABEL DEC 14 2001 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-582

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

GENERAL

Contact a physician immediately in all cases of suspected poisoning. Transport patient to a physician or hospital immediately and **SHOW A COPY OF THIS LABEL TO THE PHYSICIAN.** If poisoning is suspected in animals, contact a veterinarian.

SYMPTOMS OF POISONING: In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and, in extreme cases, possibly convulsions, may occur.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

MAY BE FATAL IF SWALLOWED, ABSORBED THROUGH SKIN, OR INHALED. CAUSES EYE IRRITATION. Do not get on skin or breath spray mist. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, and using tobacco. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators, mixer/loaders and other handlers must wear coveralls over short-sleeved shirts and short pants, waterproof gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, protective eyewear, a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter. and a chemical-resistant apron when cleaning equipment or mixing and loading.

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

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. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial use. This pesticide is toxic to birds and aquatic and estuarine organisms (fish and 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. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

RESTRICTED USE PESTICIDE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.

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 0 hours.

STORAGE AND DISPOSAL

STORAGE

Do not store in or around the home. Store unused product in original container only, in cool, dry area out of reach of children and animals. Store at temperatures above 32° F. If exposed to freezing temperatures, store at temperatures above freezing for 24 hours or until completely thawed. Shake well before using.

PESTICIDE DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

IN CASE OF SPILL

If container is damaged, before cleaning up, put on Personal Protective Equipment.

CONTAINER DISPOSAL

Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by State and local authorities, by open burning. If container is burned, stay away from and do not breathe or contact smoke.

GENERAL PRECAUTIONS AND INSTRUCTIONS

For use on conventional and conservation tillage field corn.

SPRAY PREPARATION

Remove oil, rust, scale, pesticide residues and foreign matter from sprayer and strainer. Flush with clean water. Use 50 mesh screens or equivalent in spray system. Applicator tanks should be equipped with a sparge tube agitator. Alternative agitator designs may be used if they can adequately cleanse the bottom of the tank and provide sufficient agitation required for product mixing. Approximately 10% of the tank capacity should be pumped per minute back into the tank through the agitator.

To prepare for spraying, fill tank to approximately 1/2 the needed volume of water or liquid fertilizer and start agitation. Open product container(s) and pour contents into tank. Agitate to ensure thorough mixing for a minimum of 2 minutes or until product is thoroughly dispersed. Product mixtures should be agitated continuously during use. Avoid allowing tank contents to remain without agitation for periods greater than 1 hour. When tank contents have remained without agitation for 1 hour or longer, agitate contents for at least 10 minutes before starting application. Avoid allowing large quantities of product mixtures (greater than 5 gallons) to be stored in a non-agitated tank for extended periods of time, such as 12 hours or greater.

REGENT® 4 SC Insecticide can be tank mixed in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product whose label contains a prohibition against such mixing.

If tank mixes with other products are to be used, evaluate tank mix compatibility with REGENT® 4 SC Insecticide in a small container before mixing larger quantities in the application tank.

PEST CONTROLLED

Crop	Pests Controlled
Field Corn	Northern, Western, Mexican, and Southern Corn Rootworm larvae European Corn Borer (First Brood) Wireworms Common Stalk Borer Seedcorn Maggots Seedcorn Beetles Billbugs Chinch Bugs Grubs Thrips

- Do not apply to sweet corn or popcorn.
- Do not harvest within 90 days of application.
- Do not plant leafy vegetables within one month following application.
- Do not plant root crops within five months following application.
- Do not plant small grains or other rotational crops within 12 months following application.

APPLICATION

Make one in-furrow application at planting time only.

Do not apply this product through any kind of irrigation system.

Apply at planting time as a solid stream using a microtube or other suitable metering orifice that is directed into the open seed furrow. Dilute REGENT® 4 SC Insecticide in a minimum of 1.0 gallon of water or liquid fertilizer per acre. If flat fan nozzles are used for in furrow application, the nozzles should be aligned with the row to direct the spray into the open furrow.

REGENT® 4 SC can be directly injected into the suction or pressure line(s) of a liquid spray system provided that the product is uniformly dispersed into the water or liquid fertilizer. Predilution of REGENT® 4 SC in a minimum of 0.5 gallons of water or liquid fertilizer per acre, prior to injection, is necessary to improve metering accuracy. The mix tank of REGENT® 4 SC plus water or liquid fertilizer must be agitated continuously. After completion of the direct injection in the mixing process, the final volume delivered to the furrow should have a minimum of volume of 1.0 gallons per acre of water, liquid fertilizer or the combination of the two.

Runoff from treated areas may be hazardous to aquatic and estuarine organisms in adjacent aquatic and estuarine sites. Do not apply within 20 yards (in New York State, do not apply within 100 feet or 33 yards) of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, estuaries, commercial aquaculture facilities or other bodies of water that convey water to these areas. Protection of aquatic areas may be enhanced by maintaining all or a portion of this buffer in vegetative cover.

Use the following chart to select the correct rate of REGENT® 4 SC Insecticide per 1000 row feet and rate per acre.

Row Spacing (Inch)	Row Feet/Acre (feet)	Rate/ 1000 ft (fluid ounces/1000 ft)	Rate/ Acre (fluid ounces/acre)
30	17,424	0.24	4.16
36	14,520	0.24	3.47
38	13,756	0.24	3.29
40	13,068	0.24	3.12

- Do not apply on row spacing less than 30 inches.
- Adjust rate per 1000 row feet so that you do not apply more than 0.13 lb. ai/acre or 4.2 fluid ounces of REGENT® 4 SC per acre.

COMPATIBILITY

The full range of compatibilities with REGENT® 4 SC Insecticide under local conditions is not known. Therefore, it is essential that before using REGENT® 4 SC Insecticide, the compatibility of the mixture be established. For example: Fill a quart jar 1/2 full of water or liquid fertilizer then add 2 teaspoons of REGENT® 4 SC Insecticide and disperse. Add any other pesticides, fertilizers, or tank mixtures and shake thoroughly. DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GREASE. FOR BEST RESULTS, SPRAY MIXTURES SHOULD BE USED IMMEDIATELY AFTER MIXING. USE ADEQUATE AGITATION.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, 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, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Aventis CropScience. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: AVENTIS CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Aventis CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AVENTIS CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AVENTIS CROPSCIENCES ELECTION, THE REPLACEMENT OF PRODUCT.

NET CONTENTS: 3 quarts 8 ounces (104 fluid ounces)

Aventis CropScience USA LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

REGENT is a registered trademark of the Aventis Group.

REGENT® 4 SC Insecticide (PENDING) Submitted 8/2/01.