

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., SW
Washington, D.C. 20460

EPA Reg. Number: 264-570

Date of Issuance: NOV 14 1997

NOTICE OF PESTICIDE:
[X] Registration
Reregistration

Term of Issuance: Conditional

Name of Pesticide Product: Regent 80WG Insecticide

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):
Rhone Poulenc AG Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 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.

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(B) and will expire on November 15, 2001, provided that you:

- 1. Submit and/or cite all data required for registration 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.
2. Make the following label changes:
a. Revise the EPA Registration Number to read, "EPA Reg. No. 264-570".
b. Add to the top of the front panel, set off in a box, the following: 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.
c. Delete the statement "Not for Domestic Use".

Signature of Approving Official: Susan Lewis

Date: NOV 14 1997

CONCURRENCES

Table with columns for SYMBOL, SURNAME, DATE, and multiple empty columns for signatures.

- d. Change the second sentence of the precautionary statements to read as follows:
Causes moderate eye irritation.
- e. Change the fourth sentence of the precautionary statements to read as follows:
Do not breathe dust or spray mist.
- f. You must modify the Environmental Hazards statement to read as follows:
This pesticide is toxic to birds, fish, and other aquatic and estuarine 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. Cover, incorporate, or clean up granules that are spilled. Do not contaminate water when disposing of equipment washwater or rinsate.
- g. Delete the reference to Experimental Use Permit in the directions for use.
- h. Modify the REI to read 24 hours.
- i. Modify the first sentence of the PPE statements in the Agricultural Use Requirements box to read as follows:
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 shirts and long pants, waterproof gloves, and chemical resistant footwear plus socks.
- j. In the directions for use, you may want to collect instructions not specific to corn under the heading "General Instructions", and instructions pertaining to only to corn in a section entitled "Field Corn".
- k. Include the following instructions with the directions for tank mixing:
Regent 80WG 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.

1. Add to the directions for use the following instructions regarding buffers:
Runoff from treated areas may be hazardous to aquatic and estuarine organisms in adjacent aquatic and estuarine sites.
Do not apply within 20 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.

- m. According to PR Notice 97-5, you may identify the active ingredient as fipronil, and you do not need to include the chemical name.
- n. You may change the heading "Statement of Practical Treatment" to "First Aid."
- o. Add to the front panel the following:
Each pound of Regent 80WG contains 0.8 pound of the active ingredient fipronil.
- p. Add to the directions for use the following:
Because of persistence and possible accumulation of residues, fipronil should not be applied to the same field in consecutive years.
- q. Additional label language may be required when the environmental fate and effects risk assessment for corn is completed.

3. The following studies are required as a condition of registration and must be submitted within 3 years after the date of this registration:

A mysid full life cycle study with metabolite MB 46136, guideline 72-4, is required to assess chronic effects on non-target aquatic invertebrates.

An avian dietary study using MB 46136 and MB 45950 is required because of their high persistence in terrestrial environments.

A full fish life cycle study, guideline 72-5, is required to assess cumulative toxicological impact on fish.

4. The following studies are required for above ground uses of fipronil, and should be conducted at the highest application rate for proposed fipronil uses:

An avian reproduction study, guideline 71-4, with bobwhite quail at maximum expected concentrations of fipronil.

A honey bee acute contact LD₅₀, guideline 141-1.

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A honey bee toxicity to residues on foliage, guideline 141-2.

5. 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.

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

264-570

REGENT® 80 WG Insecticide

NOT FOR DOMESTIC USE

ACTIVE INGREDIENT:

Fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1H-pyrazole-3-carbonitrile 80%

INERT INGREDIENTS 20%

NET CONTENTS

EPA Reg No. 264-XXX

EPA Est. No.

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 1-888-4RP-AGRO (1-888-477-2476)

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water, and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

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

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

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

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.

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.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

MAY BE FATAL IF SWALLOWED, ABSORBED THROUGH SKIN, OR INHALED. CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, and using tobacco. Remove contaminated clothing and wash before reuse.

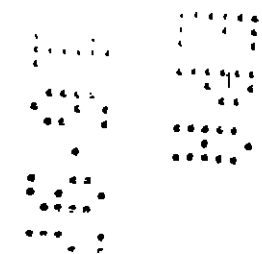
SYMPTOMS OF POISONING: In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and, in extreme cases, possibly convulsions, may occur.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators 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), 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

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling and the Experimental Use Permit. 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 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 shirts and short pants, waterproof gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, and protective eyewear. EXCEPTION: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or 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. Never transfer this product to another container for storage.

PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. Contamination with this product will render water, food or feed unfit for human or animal consumption. 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. Sweep up spilled granules, transfer to a marked container, and dispose of wastes on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Never reuse empty containers. 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 out of smoke.

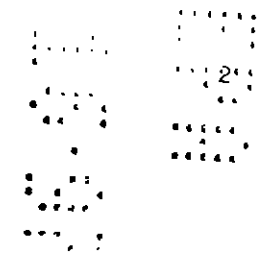
GENERAL PRECAUTIONS AND INSTRUCTIONS

For use on conventional and conservation tillage field corn.

APPLICATION

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.

Make one in-furrow application at planting time only.



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Apply at planting time as a solid stream using a microtube or other suitable metering orifice that is directed into the open seed furrow. Mix REGENT® 80 WG Insecticide in a minimum of 1 gallon of water or water plus 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.

To prepare for application, fill tank to approximately 1/2 the needed volume of water 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 and water 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 and water (greater than 5 gallons) to be stored in a non-agitated tank for extended periods of time, such as 12 hours or greater.

REGENT® 80 WG Insecticide can be mixed into in furrow-pop up liquid fertilizer and applied in furrow using direct injection equipment attached to the existing fertilizer system. Prior to injection, calibrate the fertilizer system to assure that equal amounts of liquid fertilizer are applied to each row. Direct injection equipment should include an in line static mixer which uniformly blends the REGENT® 80 WG plus water into the fertilizer. REGENT® 80 WG must be mixed with a minimum of 0.5 GPA of water prior to direct injection into liquid fertilizer which typically has rates of 3 to 6 gallons per acre.

REGENT® 80 WG can be mixed with low rate liquid fertilizers, such as Asset PPS and ACA. REGENT® 80 WG must first be mixed with water prior to adding the fertilizer product. A minimum of 1 GPA total application volume must be used. Add the REGENT® 80 WG to water and agitate 2 minutes or until the product is thoroughly dispersed. Add required amount of low rate liquid fertilizer and continue agitation for 3 minutes or until the mixture appears uniform. Mixture should be agitated continuously during use. Follow agitation recommendations described for water plus REGENT® 80 WG if tank mixtures are allowed to remain without agitation for periods greater than 1 hour.

If tank mixes with other products are to be used. REGENT® 80 WG Insecticide must be fully dispersed in water first, followed by the addition of the intended tank-mix material. Evaluate tank mix compatibility in a small container before mixing larger quantities in the application tank.

After completing application, flush the applicator lines, microtubes and nozzles with clean water.

PEST CONTROLLED

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

RATES

Use the following chart to select the correct rate of REGENT® 80 WG rate per 1000 row feet and rate per acre.

Row Spacing (Inch)	Row Feet/Acre (feet)	Rate/ 1000 ft (oz./1000 ft)*	Rate/ Acre (oz./ac)*
30	17424	0.149	2.60
36	14520	0.149	2.16
38	13756	0.149	2.05
40	13068	0.149	1.95

* oz. = Ounces of REGENT® 80 WG.

- Do not apply on row spacing less than 30 inches.
- Do not apply more than 0.13 lb. ai/acre or 2.6 oz of REGENT® 80 WG per acre.

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COMPATIBILITY

The full range of compatibilities with REGENT® 80 WG Insecticide under local conditions is not known. Therefore, it is essential that before using REGENT™ 80 WG Insecticide, the compatibility of the mixture be established. For example: Fill a quart jar 1/2 full of water, then add 2 teaspoons of REGENT® 80 WG 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.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS, OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHEN USE OR HANDLING IS NOT IN ACCORDANCE WITH LABEL DIRECTIONS.

NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside the United States.

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Research Triangle Park, North Carolina 27709

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