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Systems Integration Group, Inc.

PM03

264-576

4/21/99

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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

EPA Reg. Number: 264-576

Date of Issuance: APR 21 1999

Term of Issuance: Conditional

Name of Pesticide Product: Icon 80WG

NOTICE OF PESTICIDE:
[X] Registration
[] Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Larry R. Hodges, Ph.D.
Rhone Poulenc AG Company
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.

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(B). This registration will expire on July 1, 2002, unless 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, "264-576".
b. Add to the top of the front panel, set off in a box the following: "Restricted Use Pesticide due to toxicity to aquatic and estuarine (tidewater dwelling) 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."
c. Add "Restricted Use Pesticide" below the heading "Directions for Use."

Signature of Approving Official:

Date:

Ann Sebald

APR 21 1999

Marion J. Johnson, Jr.

Product Manager 3

CONCURRENCES

Table with columns for SYMBOL, SURNAME, DATE, and CONCURRENCES. Includes handwritten entries for 'Insecticide Branch Registration Division (7505C)' and 'APR 21 1999'.

- d. Delete the phrase "Not for Domestic Use."
- e. Revise the first paragraph, fifth sentence of the precautionary statements to read as follows: "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet."
- f. Add to the section on PPE after the reference to prefix TC-21C: "or a MSHA/NIOSH respirator with any N, P, R, or HE prefilter."
- g. Revise the Environmental Hazards statement to read as follows:
This pesticide is toxic to birds, and aquatic and estuarine organisms (fish, aquatic invertebrates, and invertebrates that live in tidewater areas). Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Discharge from treated rice fields may be hazardous to estuarine organisms in neighboring areas. Do not apply to rice cultivation areas where drainage water is released to small, low-flowing receiving water bodies. Do not apply to rice cultivation areas where local drainage is released close to estuarine waters. Cover, incorporate or clean up granules that are spilled.
- h. In the Agricultural Use Requirements box, change the REI to 24 hours.
- i. Also in the Agricultural Use Requirements box, change the PPE statement to read as follows:
PPE required for early entry to treated areas that is permitted under the Work 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, water proof gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure.
- j. Revise the first sentence under general precautions and instructions to read as follows: "Icon™ 80WG may be used for the control of rice water weevil in rice."
- k. Add a section on Spray Drift Precautions as follows:
Observe the following precautions when spraying in the vicinity of aquatic areas such as lakes, reservoirs, rivers, permanent streams, marshes, 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, pot holes, or natural ponds, estuaries, and commercial fish farm ponds.
 - All aerial and ground application equipment must be properly maintained and calibrated using appropriate

carriers.

- For aerial application, 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 swing 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 ground should be avoided.
- Make aerial or ground applications when the wind velocity favors on-target deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mpg. Avoid application when wind gusts approach 15 mph.
- Risk of exposure to aquatic areas can be reduced by avoiding application 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.
- ULV application is prohibited.

l. Add a c hemigation statement as follows:
Do not apply this product through any kind of irrigation system.

m. Delete the following use restrictions:
Do not feed rice straw to livestock
Do not allow livestock to graze treated fields.

n. Revise the fourth sentence of the Precautionary Statements to read as follows:
Do not get in eyes, on skin, or on clothing.

3. The following studies are required as a condition of registration and must be submitted according to the deadlines set out in the registration notice for Icon 6.2FS (264-577):

- a. Storage stability data for MB46513.
- b. A residue analytical method revised to remove directions for MB200766.
- c. An additional crop field trial for rice in region 5.
- d. Acute toxicity studies with mysids which compare the toxicity of the parent to the toxicity of the degradates MB46513, MB46136, and MB45950. Depending on the results of these studies, chronic studies may be required.
- e. Sediment toxicity studies using the parent and the three degradates MB46513, MB46136, and MB45950. These studies may be conducted as part of an iterative process which first investigates the toxicity of the degradates to mysids.
- f. Additional information to resolve a contradiction between the half-life derived from the aerobic aquatic metabolism study and the half-life derived from the anaerobic aquatic and aerobic soil metabolism studies.
- g. Environmental fate data to (1) establish validity of preliminary batch equilibrium data, (2) determine the persistence of degradates in terrestrial and aquatic environments, and (3) confirm in the field the results of exposure modeling based on laboratory fate data.
- h. Physical and chemical property and fate data on fipronil degradates must be supported by formal study submissions.
- i. Additional information on aquatic field dissipation may be required when the study review is completed.

4. To provide for the periodic evaluation of anticipated residues, the Agency will require residue data to be submitted every 5 years as long as the tolerances remain in force.

5. Any developmental neurotoxicity or other toxicity study using the photodegrade MB46513 conducted by the registrant should be submitted to the Agency.

6. You must submit, upon EPA's request and according to a schedule determined by the Agency, such information as the Agency directs to be submitted in order to evaluate issues related to whether fipronil shares a common mechanism of toxicity with any other substance, and, if so, whether any tolerances for fipronil need to be modified or revoked.

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

If these conditions are not complied with, the registration

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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.

ICON™ 80 WG Insecticide

NOT FOR DOMESTIC USE

ACTIVE INGREDIENTS:

Fipronil: 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1R,S)-(trifluoromethyl)sulfinyl)-1H-pyrazole-carbonitrile80%

INERT INGREDIENTS20%

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 or do not induce vomiting.

IF ON SKIN: Wash thoroughly with 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:

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

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 MODERATE EYE IRRITATION. Do not get on skin or breath dust or 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 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 washing, 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.

ACCEPTED
with COMMENTS
In EPA Letter Dated:

APR 21 1999

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 264-576

NET CONTENTS:

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. Discharge from treated rice fields 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.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

**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 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

ICON™ 80 WG Insecticide is a broad-spectrum, highly effective, low dose insecticide for the control of rice water weevil in rice. ICON™ 80 WG Insecticide may be applied broadcast to a dry soil surface as a spray by aerial or ground application equipment prior to planting dry seeded rice. For water seeded rice, ICON™ 80 WG Insecticide should be broadcast and incorporated onto a dry soil surface prior to establishing a flood for water seeding. To prevent loss of insecticidal activity, ICON™ 80 WG must be soil incorporated within 48 hours after application. When applied prior to planting and incorporated, ICON™ 80 WG Insecticide offers residual control of rice water weevil.

SPRAY PREPARATION

Remove oil, rust, scale, pesticide residues and other foreign matter from sprayer and strainer. Flush with clean water. Use 50 mesh screens or equivalent slotted strainers in spray system. To prepare for spraying, fill tank to approximately 1/2 the needed volume of water and start agitation. Add correct amount of ICON™ 80 WG Insecticide and continue agitation while filling tank to required spray volume. Agitate to ensure thorough mixing for a minimum of 2 minutes or until product is thoroughly dispersed. **Do not allow water or spray mixture to back siphon into a water source.**

APPLICATION METHODS

General

As spray volume decreases, the importance of accurate calibration and uniform application increases. Check calibration and uniformity of spray application carefully. To avoid spray drift, do not apply when winds are gusting or when wind speed is greater than 10 mph.

Ground Broadcast Application

Evenly broadcast ICON™ 80 WG Insecticide in 10 to 40 gallons of total volume per acre using any properly calibrated, low pressure sprayer that will apply the spray uniformly.

Aerial Broadcast Application

Apply ICON™ 80 WG Insecticide in a minimum of 5 gallons of water per acre. Adjust pump pressure, nozzle arrangements, speed, and application height to provide uniform application to the soil surface.

Broadcast Use Rate

	<u>Ounces ICON™ 80 WG/Acre</u>	<u>Pounds Active/Acre</u>
Minimum	0.5	0.025
Maximum	1.0	0.05

INCORPORATION DIRECTIONS

Soil Preparation and Incorporation

Ground cover, such as crop residues or existing weeds, can interfere with uniform soil incorporation of ICON™ 80 WG Insecticide. A manageable level of ground cover will allow uniform incorporation into the top 2 to 3 inches of soil. Ground cover and crop residues, if excessive, should be reduced by appropriate soil tillage prior to application.

Break up clods using tillage equipment prior to application of ICON™ 80 WG. **ICON™ 80 WG must be incorporated within 48 hours after application.** With some equipment and methods of application, a second incorporation may be required and may occur any time before flooding or planting. The second incorporation should be in a different direction, and to avoid bringing untreated soil to the surface, should not be deeper than the first.

General Soil Conditions: The soil surface should be smooth enough to allow for uniform application and efficient incorporation of ICON™ 80 WG Insecticide. Apply when soil moisture is sufficient to allow the breakup of large clods and uniform mixing during the incorporation process. Soil compaction and/or non-uniform incorporation may occur if soil is excessively moist.

INCORPORATION EQUIPMENT

Use incorporation equipment capable of mixing ICON™ 80 WG uniformly into the top 2 to 3 inches of the final seedbed. Use of inappropriate equipment or improper use of recommended equipment may result in erratic insect control. Incorporation equipment such as a tandem disc will mix ICON™ 80 WG approximately half as deep as the equipment is set to operate. For example, a disc set to cut four inches deep will mix most of the ICON™ 80 WG within the top 2 inches of soil. Any recommended incorporation implement may be used alone or in combination with any other recommended implement. *Two incorporation passes may be required unless otherwise specified.*

Tandem Disc: Set equipment to cut 4 to 6 inches deep and operate at 4 to 6 mph.

Field Cultivator: Set equipment to cut 3 to 4 inches deep and operate at a minimum of 5 mph. A field cultivator is defined as an implement with 3 to 4 rows of sweeps, spaced at intervals of 7 inches or less and staggered so that no soil is left unturned. Chisel points should not be used.

Combination Seedbed Conditioners: These implements are defined as three or more tillage devices combined to operate as a single tillage unit. For example, 2 to 3 rows of field cultivator C- or S-shaped shanks with an effective sweep spacing of 6 to 9 inches, (staggered so that no soil is left unturned), followed by a spike-tooth or flextine harrow, followed by a ground driven reel or basket. Combination implements should be set to cut 3 to 4 inches deep and operated at a minimum of 6 mph. ICON™ 80 WG can be incorporated with one pass when using a combination seedbed conditioner. Two incorporations are required under conditions which prevent optimum soil mixing such as excessive trash, roughness, high clay content, or soil moisture.

Rolling Cultivator: Set equipment to cut 2 to 4 inches deep and operate at 6 to 8 mph. Generally, rolling cultivators are adequate for use only on coarse and medium soils.

Bed Conditioner (Do-All): Set equipment to cut 2 to 4 inches deep and operate at 4 to 6 mph. Two incorporation passes are required in flat planted culture. The do-all should be used only on coarse and medium textured soils.

Mulch Treader and other similar disc-type implements: Set equipment to cut 3 to 4 inches deep and operate at 5 to 8 mph.

PTO-Driven Equipment (tillers, cultivators, hoes): Adjust equipment to incorporate ICON™ 80 WG into the top 2 to 3 inches of the final seedbed with rotors spaced to provide a clean sweep of the soil. Only one incorporation is necessary. PTO equipment should not be operated more than 4 mph.

Other Equipment: Other implements including the flexible tine-tooth harrow (Flextine or Melroe), or spike toothed roller, but not limited to these listed, will give adequate incorporation and are recommended, but only if proper uniform soil incorporation of the top 2 to 3 inches of soil can be obtained.

USE RESTRICTIONS

- Do not feed rice straw to livestock.
- Do not allow livestock to graze treated fields.
- Do not plant root crops and leafy vegetables within 5 months following application.
- Do not plant small grains or other rotational crops within 12 months following application.
- Do not fish or commercially grow fish, shellfish, or crustaceans on rice acreage treated with this product.

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.

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

ICON™ is a trademark of Rhone-Poulenc Ag Company.

ICON™ 80 WG Insecticide (PENDING) Submitted 4/22/97, Resubmitted 9/18/97.

