



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

EPA Reg
Number

264-607

Date of

March 15, 2002

NOTICE OF PESTICIDE:

Registration Reregistration
(under FIFRA, as amended)

Term of issuance

Conditional

Name of Pesticide Product:

CHIPCO brand TriStar
70WSP Insecticide

Name and Address of Registrant (include ZIP Code):

Aventis CropSciences
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 in accordance with FIFRA sec. 3(a)(7)(A) 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 before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 264-607".
3. You must address the data deficiencies listed on pages 2-3 within the specified time limit.

A copy of the label stamped "accepted with comments" is enclosed for your records.

Signature of Approving Official:

Akiva Abramovitch, Ph.D.
Chemist
Insecticide-Rodenticide Branch
Registration Division (7505C)

Date: March 15, 2002

Notice of Registration continued
EPA Reg. No. 264-607

1) Submit the following RESIDUE CHEMISTRY data:

- Storage stability data for rotational crops (2 years to submit).
- Radiovalidation data for IM-2-1-amide in ruminant muscle (6 months to submit).

2) Submit the following ENVIRONMENTAL FATE and EFFECTS data:

Avian Reproduction (850.2300). The value of repeating the avian reproduction studies with the northern bobwhite and the mallard is high. Major deficiencies with both studies made the results unreliable. Furthermore, the NOAEL was not determined for the northern bobwhite because chick body weight was significantly reduced at all treatment levels. While the tentative chronic avian risk assessment yielded risk quotients that were only slightly below the LOC for some uses. Changes in the NOAEL therefore may change the conclusions of the chronic risk assessment for birds. Data must be submitted within 1 year.

Acute Aquatic Invertebrate LC₅₀ (850.1010). The acute toxicity test conducted with the water flea was classified as supplemental because the test water used was too hard, which may have effected the toxicity of the test compound. More importantly, however, evidence suggest that the water flea may be an insensitive species to chloronicotinyl insecticides such as acetamiprid. The mode of action of these insecticides is highly selective and exhibit unusually large variability among species. We suspect that some other species of freshwater species, in particular freshwater insects, would exhibit much greater toxicity to acetamiprid than does the water flea. In order to better quantify the risk to freshwater invertebrates, we are requesting that this test be repeated with two additional test species, a freshwater amphipod and a freshwater insect (a stonefly, mayfly, or midge). This testing also will provide information on which types of threatened and endangered aquatic invertebrates are sensitive to acetamiprid and require special protective measures. Data must be submitted within 1 year.

Freshwater Fish Early Life-Stage (850.1400). This study was classified as supplemental because information on physiological and behavioral observations were lacking from the study report. This study may be upgraded to core without repeating the study if this information is provided. The value of this information is moderate. Data must be submitted within 6 months

Toxicity of Foliar Residue to the Honey Bee (850.3030). This study is required because the acute contact LD₅₀ of acetamiprid to the honey bee is less than 11 µg/bee. Data from this study would assist with labeling to protect bees since it would provide information on how long after application residues of acetamiprid will remain toxic to bees. The value of these data are high. Since this tier 2 study will provide sufficient information for assessing the toxicity of acetamiprid to bees, the tier 1 acute contact LD₅₀ study (850.3020) does not need to be repeated. Data must be submitted within 1 year.

Tier II Phytotoxicity, Seedling Emergence (850.4225). The seedling emergence portion of the study is supplemental because plant dry weights were not measured. Based on the current available data, however, the risk of acetamiprid causing seedling emergence effects to nontarget plants is expected to be minor. Also, based on results for lettuce, vegetative vigor effects are predicted to pose a greater risk to nontarget plants than seedling emergence effects. Therefore, we **do not** require that the seedling emergence portion of this test be repeated or upgraded.

Tier II Phytotoxicity, Vegetative Vigor (850.4250). The results of this study for lettuce is inconsistent with the results of the other none test species. Furthermore, unusual responses for some endpoints and observed problems

Notice of Registration continued
EPA Reg. No. 264-607

with the control plants make the results for lettuce questionable. The value of repeating this study with lettuce is high. Since the vegetative vigor effects observed in lettuce were far more sensitive than effects observed in other species, the terrestrial plant risk assessment was based upon these questionable data, which makes the plant risk assessment very uncertain. Any change in the results for lettuce would result in a change in the risk quotients and could change the risk conclusions for terrestrial plants. Any change also could change the determination of risk for threatened and endangered plants. The tier II vegetative vigor study does not need to be repeated for species other than lettuce. Data must be submitted on lettuce within 1 year.

Acute Earthworm LC₅₀. The PMRA has classified this study as invalid and is requiring that it be repeated for registration of acetamiprid in Canada. The USEPA does not have a test guideline for acute toxicity testing with the earthworm. However, we feel that this study would provide us with useful information for risk assessment and therefore request that it be submitted to the USEPA as well as to the PMRA when it is completed. Data should be submitted when available to PMRA.

The data gaps are listed in the following table:

Guideline	Study Type	Test Species	Acceptability
850.2300	Avian reproduction	Northern bobwhite, Mallard	Supplemental, major deficiencies in study- may change chronic risk to birds
850.1010	Aquatic invertebrate acute LC ₅₀	Water flea	Supplemental, more sensitive species needed
850.1400	Fish early life-stage	Fathead minnow	Supplemental, may be upgraded with additional data
850.3030	Honey bee, toxicity of residues on foliage	Honey bee	Invalid, important to establish label mitigations to protect bees
850.4250	Vegetative vigor, tier II	Corn, oat, onion, perennial ryegrass, cabbage, cucumber, lettuce, soybean, tomato, and turnip	Supplemental for lettuce, core for all other test species

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.

5. Submit production information (pounds or gallons produced) for this product for the fiscal year in which the technicals are conditionally registered, in accordance with FIFRA sec. 29. The fiscal year begins October 1 and ends September 30. The production information must be submitted to the Agency no later than November 15, following the end of the preceding fiscal year. This information must be submitted to:

Registration Support Branch

Notice of Registration continued

EPA Reg. No. 264-607

Registration Division (7505C)

1200 Pennsylvania AVE, NW

Washington, DC 20460

6. Submit one copy of the final printed label before you release the product for shipment.

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.

Enclosure: Stamped copy of label

CHIPCO® brand TriStar™ 70 WSP

Acetamiprid Insecticide

ACCEPTED
with COMMENTS
In EPA Letter Dated:

For Commercial Use Only

MAR 15 2002

ACTIVE INGREDIENT: Acetamiprid..... 70% by wt.

INERT INGREDIENTS:..... 30% by wt.

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

EPA Reg. No. 264-XXX

EPA Est. No.

264-607

KEEP OUT OF REACH OF CHILDREN

CAUTION

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 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.
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.
<p align="center">For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.</p> <p align="center">Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p>	
<p>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.</p>	

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS (& DOMESTIC ANIMALS)

Harmful if inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with eyes, skin or clothing. Keep out of reach of children and domestic animals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and chemical resistant headgear for overhead exposure.

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 there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife. This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are actively visiting the treated area. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment washwater.

SPRAY DRIFT MANAGEMENT: The interaction of many equipment factors determines the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. **Avoiding spray drift is the responsibility of the applicator.**

IMPORTANCE OF DROPLET SIZE FOR OUTDOOR USE: An important factor influencing drift is droplet size. Small droplets (<150 to 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, applications should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. 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 possible height consistent with good pest control.

DIRECTIONS FOR USE

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

Ornamental use only; not for woodlands or forest management.

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 intervals. 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 24 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, waterproof gloves and shoes plus socks.

STORAGE AND DISPOSAL

STORAGE

Do not store in or around the home. Store unused product in a cool, ventilated, dry, locked area. Do not allow prolonged storage in areas where temperatures frequently exceed 115° F (46° C). NEVER TRANSFER THIS PRODUCT TO ANOTHER CONTAINER FOR STORAGE.

PESTICIDE DISPOSAL

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

CONTAINER DISPOSAL

Do not reuse outer bag. Dispose of outer bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

COMPATIBILITY

CHIPCO® brand TriStar™ 70 WSP Acetamiprid Insecticide, when diluted with an equal volume of water, is physically compatible with a wide range of commonly used spray products, but the full range of compatibilities under local conditions is not known. Therefore, it is essential that before using CHIPCO® brand TriStar™ 70 WSP Acetamiprid Insecticide in any tank mixture the compatibility of the mixture be established. Add a small amount of this product to an equal volume of water in a small container and then add the other pesticide or spray product and mix thoroughly. DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GREASE. FOR BEST RESULTS, SPRAY MIXTURES SHOULD BE USED IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.

GENERAL HANDLING INSTRUCTIONS: Each CHIPCO® brand TriStar™ 70 WSP Acetamiprid Insecticide water soluble bag comes sealed in a clear plastic outer sleeve. Do not break the seal until the 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 or other sharp object 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.

HANDLING PRECAUTIONS

- Do not allow the empty outer sleeve or the tear-strip to fall into the spray tank as they are not water soluble and may clog the sprayer.

- Do not handle the inner bag with wet gloves as 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 product from them. The water soluble packet is not designed to be re-measured or subdivided.
- The inner bag should not be opened and partial bag not used for a tankmix.
- The entire contents of the inner (water soluble) bag must be used.

SPECIFIC USE DIRECTIONS

NOT FOR HOMEOWNER USE

FOR USE ON ORNAMENTAL AND FLOWERING PLANTS GROWN OUTDOORS AND IN GREENHOUSES, SHADEHOUSES AND LATHHOUSES: bedding plants, flowers grown for cuttings, foliage plants, potted flowering plants, ornamental trees, and non-bearing fruit and nut trees (Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application). **Do not apply to bearing fruit trees and vegetables.**

For control of ornamental pests, apply broadcast spray to obtain thorough and uniform spray coverage of the plants. Choose a finished spray volume appropriate for the size of the plants and amount of foliage which will provide thorough coverage throughout the canopy. For optimum control, allow at least 6 hours before overhead irrigation of foliage. Do not allow public use of treated area during application.

Mix CHIPCO® brand TriStar™ 70 WSP Acetamiprid Insecticide with sufficient water and apply as a foliar spray to obtain thorough and uniform spray coverage of the plants. Choose a finished spray volume appropriate for the size of the plants and amount of foliage which will provide thorough coverage throughout the canopy. Apply as soon as insects reach treatment thresholds. See resistance management section if multiple sprays are needed.

CHIPCO® brand TriStar™ 70 WSP Acetamiprid Insecticide mixes quickly in water. This product has been found to be compatible with many commonly used surfactants, miticides and insecticides. Check physical compatibility using the correct proportion of products when combining products without prior history of use.

Note: Since ornamental varieties are numerous and constantly changing and may react differently at various sites, test the product and any tankmixes on a small scale before making large-scale applications if there is not local experience.

PESTS	RATE WATER SOLUBLE PACKS/100 GALLONS*	COMMENTS
Aphids European pine sawfly	1	Apply as a full coverage foliar spray.
Tentiform leaf miner, Mealybug, leafhopper	2	Tank mixing with a surfactant may improve the control of mealybugs. When mixing with surfactants, treat a small area first to make sure the surfactant does not cause phytotoxicity.
Whiteflies	2 - 4**	Tank mixing with a surfactant or pyrethroid may improve control of adult whiteflies.
Citrus thrips	3 - 6**	When mixing with surfactants, treat a small area first to make sure the surfactant does not cause phytotoxicity.

Product can be applied with the water volume needed to provide thorough coverage.

** Use the higher rate when insect pressure is high.

USE RESTRICTIONS AND PRECAUTIONS

- Do not make more than 5 applications per year.
- Do not reapply more than once every 7 days. To determine if application is necessary, monitor pest densities. Consult local extension experts for thresholds.
- Do not apply more than 22 water soluble packs/A (0.55 lb ai/A) per year.
- Do not apply to bearing fruit trees or vegetables.

RESISTANCE MANAGEMENT

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. Avoid treating these insects with consecutive applications of insecticides within the same class of chemistry. Resistance to other chloronicotinyls/neonicotinyls, such as Merit® and Marathon® may result in resistance to CHIPCO® brand TriStar™ 70 WSP Acetamiprid Insecticide. Therefore, to minimize the potential for chloronicotinyl resistance, rotate with other classes of insecticides. Consult your agricultural advisor for resistance management strategies and recommended pest management practiced for your area.

ENDANGERED SPECIES NOTICE: Under the Endangered Species Act, it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species.

Consult your local county bulletin, County Extension Agent, or Pesticide State Lead Agency for information concerning endangered species in your area.

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.

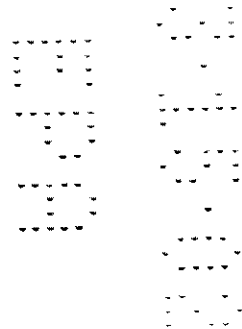
By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

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 CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

NET CONTENTS:



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

CHIPCO is a registered trademark of the Aventis Group.
TriStar is a trademark of the Aventis Group.
MERIT and MARATHON are registered trademarks of Bayer.

CHIPCO® brand TriStar™ 70 WSP Acetamiprid Insecticide (PENDING) Submitted 9/28/99, Resubmitted 10/20/00, Resubmitted 3/15/02.