



264-984

04/22/2010

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Ave., N.W. Washington, D.C. 20460</p> <p>NOTICE OF PESTICIDE: <u>X</u> Registration <u> </u> Reregistration (under FIFRA, as amended)</p>	<p>EPA Reg. Number: 264-984</p>	<p>Date of Issuance: APR 22 2010</p>
	<p>Term of Issuance: Unconditional</p>	
	<p>Name of Pesticide Product: Titan FL</p>	
<p>Name and Address of Registrant (include ZIP Code): Bayer CropScience 2 T.W. Alexander Drive P.O. Box 12014 Research Triangle Park, NC 27709</p>		
<p>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.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered 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.</p> <p>This product is registered in accordance with FIFRA section 3(c)(5). You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.</p> <p>If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of this condition. A stamped copy of the label is enclosed for your records. If you have any questions, please contact Kable Bo Davis at (703) 306-0415 or davis.kable@epa.gov.</p>		
<p>Signature of Approving Official:  Venus Eagle, Product Manager (01) Insecticide-Rodenticide Branch, Registration Division (7505P)</p>	<p>Date: APR 22 2010</p>	

TITANTM FL

Flowable Insecticide and Fungicide Seed Treatment

Intended for sale to and use by professional applicators.

TITAN FL contains the following amount of active ingredient per gallon:
1 lb. clothianidin; 1 lb. thiram; 0.47 lb. carboxin; 0.033 lb. metalaxyl.

ACTIVE INGREDIENTS:

Clothianidin: [(C(E))-N-(2-chloro-5-thiazolyl)methyl]-N'-methyl-N"-nitroguanidine	9.49%
Thiram: tetramethylthiuram disulfide.....	9.49%
Carboxin: 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide.....	4.43%
Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alanine methyl ester	0.316%
OTHER INGREDIENTS:	76.274%
	TOTAL 100.00%

EPA Reg. No. 264-984

EPA Est.

KEEP OUT OF REACH OF CHILDREN CAUTION

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

FIRST AID

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 eye. • 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 ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further 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.

In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

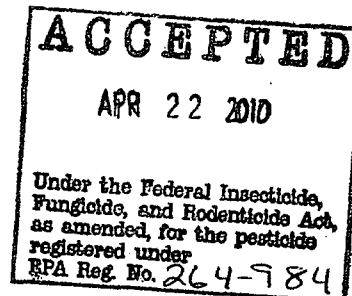
Harmful if inhaled or absorbed through the skin. Avoid breathing vapor or spray mist. Avoid contact with eyes or skin.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber. If you want more options, follow the instructions for category C and E on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants
- socks plus shoes
- chemical resistant gloves,
- chemical resistant aprons when mixing, loading, or participating in dip treatments.



Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

NOTE: Persons involved in bagging treated seed, sewing or moving bags of seed, or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
Users should 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.

ENGINEERING CONTROLS

When handlers use closed systems designed by the manufacturer to enclose the pesticide to prevent it from contacting handlers or other people and the system is functioning properly and is used and maintained in accordance with the manufacturer's written operating instructions, the handlers need not wear the chemical-resistant apron. However, the chemical-resistant gloves must be immediately available for use in an emergency, such as a spill or equipment breakdown.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters, and shrimp. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

Treated seeds are toxic to fish, birds, and mammals. Do not plant treated seed by broadcasting to the soil surface. Ensure that all seeds are thoroughly covered with soil, especially in turn areas. If seeds are not thoroughly incorporated by the planer during planting, additional incorporation may be required to thoroughly cover exposed seeds.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

For use in commercially available equipment designed for seed treatment only. Not for use on agricultural establishments in hopper-box, slurry-box, or other seed treatment applications at, or immediately before, planting. Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Do not store in low temperatures. Do not store above 95°F. Do not store in direct sunlight.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Rigid, Non-refillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of rinsed empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.

Rigid Non-refillable containers that are too large to shake (i.e., with capacities greater than 5 gallons or 50 lbs)

Non-refillable container. Do not reuse or refill this container. After emptying product from container, contact Bayer CropScience Customer Service Center (1-800-527-4781) with return authorization for container return instructions.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Offer for recycling, if available. Dispose of rinsed empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.

LABELING OF TREATED SEED

The Federal Seed Act requires that the container of seed treated with TITAN FL must be labeled with the following statements:

- This seed has been treated with TITAN FL, which contains clothianidin, trifloxystrobin, carboxin, and metalaxyl.
- Do not use treated seed for food, feed or oil processing.

In addition, the US Environmental Protection Agency requires the following statements on the container of seed treated with TITAN FL:

- Store away from feeds and foodstuffs.
- Rapeseed greens and seed grown or harvested from TITAN FL-treated seed must not be used for feed or human consumption. Rapeseed grown and harvested from TITAN FL-treated seed is only for industrial uses and can not be used for edible oil or any other human/feed consumption.
- Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves when handling treated seed.
- Dispose of all excess treated seed. Left over treated seed may be double sown around the headland or buried away from water sources in accordance with local requirements. Do not contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging in accordance with local requirements.
- This compound is toxic to birds and mammals. Treated seeds exposed on soil surface may be hazardous to birds and mammals. Cover or collect treated seeds spilled during loading.
- This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the County or Parish in which you are applying the seed. To determine whether your County or Parish has a Bulletin consult <http://www.epa.gov/espp> before each season's use of this product.
- After seeds have been planted, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 24 hours. Exception: Once the seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the soil/media subsurface.

- Areas planted with treated seed may be replanted immediately with canola, rapeseed and corn. These areas may also be replanted after 30 days with cereal grains, grasses, non-grass animal feeds, soybeans, and dried beans. Do not plant any other crop in the treated area for at least four months after treated seeds are planted.

USE INFORMATION

TITAN FL is a systemic insecticide and fungicide seed treatment for use on canola and rapeseed for control of certain insect pests and for control of seed rot, damping off, seedling blight and early season root rot caused by Pythium, Rhizoctonia, Fusarium and Alternaria. Also controls seedborne Blackleg. For protection of seeds and emerging seedlings only.

For use in commercially available equipment designed for seed treatment only. Not for use in hopper-box, slurry-box, or similar seed treatment applications used at planting. This product is to be used in liquid or slurry treaters. Mix thoroughly before use or use entire container at one time. Pre-test all tank mixes to determine physical compatibility between formulations. Observe all cautions and limitations on labeling of all products used in mixtures.

All seed treated with this product must be conspicuously colored at the time of treatment. If this product contains no colorant, an appropriate colorant must be added to distinguish seed and to prevent subsequent inadvertent use as a food for man or a feed for animals. Regulations pertaining to coloration of treated seed enforced by 40 CFR 153.155 must be strictly adhered to when using this product.

Prior to and during application, TITAN FL must be thoroughly agitated to ensure uniform mixing.

Canola and Rapeseed: Apply 19.2 to 25.6 fl oz of TITAN FL to 100 lbs. of seed using commercial seed treatment equipment. For longer season control of flea beetles, and for areas where flea beetle populations are often high TITAN FL can be tank mixed with Poncho™ 600 according to the directions in the table below. Do not apply more than a total of 6.4 fl oz of clothianidin active ingredient per 100 pounds (400 g. a.i./100 kg.) of canola or rapeseed.

TITAN™ FL Application Rate	Poncho™ 600 Application Rate
19.2 fl oz/100 lbs. of seed	Up to 6.4 fl oz/100 lbs of seed
25.6 fl oz/100 lbs. of seed	Up to 5.12 fl oz/100 lbs. of seed

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.

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

CONDITIONS: The directions for use of this product are believed to be adequate and must 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 Bayer CropScience. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO 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 Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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NOTICE TO BUYER

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

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Produced for



Bayer CropScience

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