



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

264-1181

Date of Issuance:

1/11/16

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

METALAXYL TECHNICAL

Name and Address of Registrant (include ZIP Code):

Bayer CropScience LP
P.O. Box 12014, 2T.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 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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. 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.
2. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.

Signature of Approving Official:

Hope Johnson, Product Manager 21
Fungicide Branch, Registration Division (7505P)

Date:

1/11/16

3. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 264-1181.”
 - Add an EPA Establishment Number and Net Contents information
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 10/29/2014
- Alternate CSF 1 dated 10/30/2014

If you have any questions, you may contact Maryam K. Muhammad at 703-347-0301 or via email at Muhammad.maryam@epa.gov.

Enclosure Stamped Accepted “METALAXYL TECHNICAL” Label
Product Chemistry Review of “METALAXYL TECHNICAL”
Acute Toxicity Review

Metalaxyl Technical

A fungicide for formulating use only

ACTIVE INGREDIENT:

Metalaxyl* **98.50%**

OTHER INGREDIENTS: **1.50%**

TOTAL: **100.00%**

* N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-alanine methyl ester

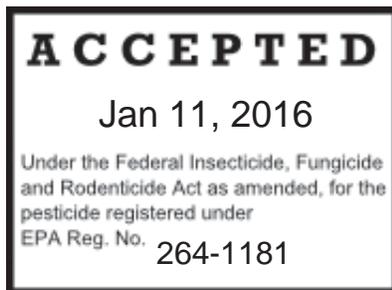
EPA Reg. No. 264-RRIR

EPA Est. _____

**KEEP OUT OF REACH OF CHILDREN
WARNING**

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-922-2937)

Net Contents:



PRODUCED FOR



Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
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.• Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to by a poison control center or doctor.• Do not give anything to an unconscious person.
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.	
Note to Physician: No specific antidote is available. Treat the patient symptomatically.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

- Causes substantial but temporary eye injury.
- Harmful if swallowed.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
- Do not get in eyes or on clothing.
- Wear protective eyewear (goggles, face shield, or safety glasses).
- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove and wash contaminated clothing before reuse.

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product in lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Toxicity statements as needed should appear first in this section (e.g., bird, mammal, fish, aquatic invertebrate, etc.).

DISCLAIMER AND INDEMNITY FOR FORMULATORS' USES

The manufacturer expressly disclaims all liability for claims and actions (whether based on contract, tort, strict liability or breach of warranty) arising out of, resulting from or connected with a formulation containing this product when used for any purpose other than those uses set forth in the manufacturing use directions section. The manufacturer has not developed scientific data to support, nor has it explicitly or implicitly approved, any uses other than those in the manufacturing use directions section.

This disclaimer and indemnity is in addition to, not in lieu of, the below disclaimer and limitations, to the extent consistent with applicable law.

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

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 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. To the extent consistent with applicable law, 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 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 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.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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 BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

DIRECTIONS FOR USE

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

FORMULATION INSTRUCTIONS

- Each formulator is responsible for obtaining EPA registration for his own end use products.
- Technical information on formulations of this product as well as its physical and chemical characteristics may be obtained from Bayer CropScience.

USE RESTRICTIONS

- For formulation of metalaxyl containing seed treatment end-use products only.
- This product is for use in the formulation of Metalaxyl containing fungicide end-use products.
- Products formulated with Metalaxyl Technical will require registration with the U. S. Environmental Protection Agency.

MANUFACTURING USE DIRECTIONS

FOR FORMULATION INTO A SEED TREATMENT FOR THE FOLLOWING:

1) Seed Treatment Uses:

- Brassica (Cole) Leafy Vegetables:** Broccoli (Chinese and raab); Brussels sprouts; cabbage (including Chinese bok choy, Chinese napa, and Chinese mustard (gai choy)); cauliflower; cavalo broccolo; collards; kale; kohlrabi; mizuna; mustard greens; mustard spinach; rape greens;
- Canola;**
- Cotton;**
- Cucurbit Vegetables:** Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; edible gourd (includes hyotan, cucuzza, Chinese okra, hechima); gherkin; Momordica spp. (balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon); pumpkin; summer squash (crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); winter squash (butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon (hybrids and/or varieties of Citrullus lanatus);
- Dill;**
- Leafy Vegetables:** Amaranth (leafy, Chinese spinach, tampala); cardoon; celery (Chinese celery); celtuce; chervil; chrysanthemum (edible-leaved and garland); corn salad; cress (garden and upland); dandelion; dock (sorrel); endive (escarole); Florence fennel (finocchio); lettuce (head and leaf); orach; parsley; purslane (garden and winter); radicchio (red chicory); rhubarb; spinach (New Zealand and vine); Swiss chard;
- Forage Legumes:** Alfalfa, beans for forage, clover, lespedeza, cowpeas for forage, cowpea hay, peanuts for forage, peanut hay, peas for forage, pea vine hay, soybeans for forage, soybean hay, trefoil, vetch, and velvet beans for forage;
- Forage Grasses:** Grasses grown for hay, grazing or silage; corn (fodder or silage); sorghum (hay or silage); and small grain grown for hay, grazing, or silage;
- Fruiting Vegetables:** Eggplant; groundcherry; pepino; pepper (bell pepper, chili pepper, cooking pepper, pimento, sweet pepper); tomatillo; tomato;
- Grain Crops** (Barley, Buckwheat, Corn (Field Corn, Sweet Corn; Popcorn), Millet, Millo, Oats, Rice, Rye, Sorghum, Triticale, and Wheat);
- Legume Vegetables:** Bean (Lupinus spp.) [grain lupin, sweet lupin, white lupin, white sweet lupin]; Bean (Phaseolus spp.) [field bean, kidney bean, lima beans (succulent or dry), navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean]; Bean (Vigna spp.) [adzuki bean, asparagus bean, blackeyed pea (succulent or dry), catjang, Chinese longbean, cowpea (succulent or dry), Crowder pea, moth bean (succulent or dry), mung bean, rice bean, southern pea (succulent or dry), urd bean, yardlong bean]; Broad bean (fava) (succulent or dry); Chickpea (garbanzo bean); Guar; Jackbean; Lablab bean (hyacinth); Lentil; Pea (Pisum spp.) [dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea]; Pigeon pea (succulent or dry); Pole bean; Soybean; String bean; Sword bean;
- Mustard seed;**
- Okra;**
- Onion** (dry bulb and green);

- o. **Peanut;**
- p. **Rapeseed;**
- q. **Root and Tuber Vegetables (except potatoes):** Arracacha; arrowroot; artichoke (Chinese and Jerusalem); beet (garden and sugar); burdock (edible); canna (edible); carrot; cassava (bitter and sweet); celeriac (celery root); chayote (root); chervil (turnip-rooted); chicory; chufa; dasheen (taro); ginger; ginseng; horseradish; leren; parsley (turnip-rooted); parsnip; radish; oriental radish (daikon); rutabaga; salsify (black and Spanish); skirret; sweet potato; tanier; turmeric; turnip; yam bean (jicama, manioc pea); yam;
- r. **Sunflower;**
- s. **Turf Grasses**

2) For formulation into pesticide products for export only uses: Cucurbit Vegetables; Fruiting Vegetables; Leafy Vegetables; Brassica (Cole) Leafy Vegetables; Root and Tuber Vegetables; Onions; Corn; Millet; Peas; Sorghum; and Sunflowers.

3) Uses for which US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration, and:

4) Uses for experimental purposes that are in compliance with US EPA requirements.

STORAGE AND DISPOSAL

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

Pesticide storage

Store in a cool place. Do not store in direct sunlight. Protect from freezing temperatures.

Pesticide disposal

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

Container handling

[Dilutable Manufacturing Use Products in Non-Refillable Plastic Containers]

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, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781), or rinse and either recycle or dispose of the container as follows:

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into manufacturing equipment. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into manufacturing equipment. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into manufacturing equipment. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into manufacturing equipment. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

[Dilutable Manufacturing Use Products in Non-Refillable Metal Containers]

Nonrefillable container. Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781), or rinse and either recycle or dispose of the container as follows:

Any dilutable pesticides in containers too large to shake (larger than 5 gallons or 50 pounds)

Triple Rinse as follows: Empty remaining contents into manufacturing equipment. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into manufacturing equipment or store rinsate for later use or disposal. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

[Non-Dilutable Manufacturing Use Products in Non-Refillable Containers]

Manufacturing Use Products in Non-Refillable Fiber Drums with Liners

Non-refillable container. Do not reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

Manufacturing Use Products in Non-rigid, Non-Refillable Containers

Nonrefillable container. Do not reuse or refill this container. Completely empty container into manufacturing equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

[Manufacturing Use Products in Refillable Containers]

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781) or rinse and either recycle or dispose of the container as follows:

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into manufacturing equipment. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into manufacturing equipment while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g. – Snyder 120 Next Gen, Bonar B120, Drums, and Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into manufacturing equipment. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into manufacturing equipment. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. If this is the case, end users are not authorized to remove tamper evident cables, one way valves or clean container.