



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Nufarm Limited  
% Danielle A. Larochelle  
Registration Manager  
Nufarm Americas Inc.  
4020 Aerial Center Parkway, Suite 101  
Morrisville, NC 27560

SEP 13 2012

Product Name: Metalaxyl Technical  
EPA Reg. No.: 35935-79  
Subject: Your amendment dated June 13, 2012  
OPP Decision Number: 462282

Dear Ms Larochelle:

The amended label referred to above, submitted May 29, 2012 in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable.

One copy of the label stamped "Accepted" is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at [westin.robert@epa.gov](mailto:westin.robert@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Mary L. Waller".

Mary L. Waller  
Product Manager (21)  
Fungicide Branch  
Registration Division (7504P)

Enclosure:

# METALAXYL TECHNICAL

FOR MANUFACTURING USE ONLY

**ACTIVE INGREDIENT**

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

97.0%

**OTHER INGREDIENTS**

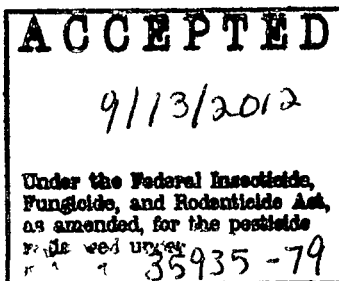
3.0%

**TOTAL**

100.0%

**KEEP OUT OF REACH OF CHILDREN  
WARNING**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300  
For Medical Emergencies Only, Call (877) 325-1840



EPA REG NO 35935-79  
EPA EST NO \_\_\_\_\_

MANUFACTURED FOR  
NUFARM LIMITED  
4020 Aerial Center Parkway  
Morrisville, NC 27560



NET CONTENTS \_\_\_\_\_ LBS ( \_\_\_\_\_ KG)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**WARNING**

Causes substantial but temporary eye irritation Harmful if swallowed or absorbed through the skin Wear goggles or face shield **DO NOT** get in eyes or on clothing Wash thoroughly after handling Remove contaminated clothing and wash before reuse

<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>• Remove contact lenses if present after the first 5 minutes then continue rinsing eye</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice</li> <li>• Have person sip a glass of water if able to swallow</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing call 911 or an ambulance then give artificial respiration preferably mouth-to-mouth if possible</li> <li>• Call a poison control center or doctor for further treatment advice</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor or going for treatment You may also contact 1-877-325-1840 for emergency medical treatment information	

**ENVIRONMENTAL HAZARDS**

**DO NOT** discharge effluent containing this product into lakes, streams ponds estuaries oceans, or public waters 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 local sewage treatment plant authority For guidance contact your State Water Board or Regional Office of the EPA

**DIRECTIONS FOR USE**

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

This product is intended for the formulation of fungicide products This product may be used to formulate products for specific use(s) not listed on the MP label if the formulator, user group or grower has complied with the U S EPA data submission requirements regarding the support of such use(s)

**FOR MANUFACTURING USE ONLY AS A FUNGICIDE FOR THE FOLLOWING USES**

- 1) **Terrestrial Food Crops (including Home Gardens and Orchards) and Soil Treatment Uses**  
Alfalfa Birdfoot trefoil, Apples, Asparagus Avocados, Berries (Blueberries Cranberries, Raspberries Strawberries) Cassava, Citrus (Citrus citron, Grapefruit Kumquats Lemons Limes, Oranges Tangelos Tangerines and all hybrids of these) Cole Crops (Broccoli Cabbage Cauliflower, Chinese broccoli Gai Lon, White flowering broccoli, Chinese cabbage (Napa Bok choy) Cotton Cucurbits (Balsam pear, Chinese waxgourd, Citron melon Cucumber, Gherkin

Edible gourds, Cantaloupe, Casaba, Crenshaw Honeydew melon, Honey balls Mango melon, Muskmelon Persian melon, Pumpkin, Summer squash, Winter squash, Watermelon, and Cucurbits hybrids), Ginseng Hops, Leafy Vegetables (Head Lettuce, Spinach) Legume Vegetables (Succulent or Dried) (Field beans, Lima beans, Mung beans Navy beans, Pinto beans, Runner beans, Snap beans Wax beans Broad beans (Fava beans), Chickpeas (Garbanzo beans) Lentils, Lupines (Sweet, White sweet, White and Grain), Garden peas, Field peas, Sugar peas, Southern peas (Black-eyed peas Crowder peas Cowpeas, Catjang) and Edible soybeans, Onions (Dry bulb Green Onions, Spring onions or Scallions Japanese bunching onions Green shallots or Green eschalots Leeks), Nut trees (Almond and Walnuts), Papaya, Peanuts Peppers and Eggplant, Pineapple, Root and Tuber Vegetables (Jerusalem artichoke Beet (Sugar and Table), Carrot, Cassava, Chicory Ginger, Horseradish Parsnip, Potato, Radish Rutabaga, Salsify, Sweet potato Tanier Turnip Yams), Soybeans Stone Fruits (Apricots Cherries (Sweet and Sour) Nectarines Peaches Plums (Chickasaw, Damson, Japanese) Prunes), Tobacco, and Tomatoes

**2) Seed Treatment Uses**

**Canola, Cotton, Dill, Okra, Onion (dry bulb and green), Mustard seed, Peanut, Rapeseed, Sunflowers,**

**Brassica (Cole) Leafy Vegetables** Broccoli (including 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

**Cucurbit Vegetables** Chayote (fruit), Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, edible gourd (includes hyotan, cucuzza, Chinese okra, hechima), gherkin *Momordica* spp (includes balsam apple balsam pear, bittermelon, Chinese cucumber) muskmelon (includes 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 (includes crookneck squash, scallop squash straightneck squash, vegetable marrow, zucchini) winter squash (includes butternut squash, calabaza, hubbard squash, acorn squash spaghetti squash) watermelon (includes hybrids and/or varieties of *Citrullus lanatus*),

**Leafy Vegetables** Amaranth (leafy Chinese spinach tampala), cardoon celery (including 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 (including 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 (including bell pepper, chili pepper, cooking pepper, pimento sweet pepper) tomatillo, tomato,

**Grain Crops** (Barley, Buckwheat, Corn (Field Corn, Sweet Corn Popcorn), Millet, Milo Oats, Rice Rye Sorghum, Triticale, and Wheat)

**Legume Vegetables** Bean (*Lupinus* spp ) [includes grain lupin, sweet lupin, white lupin, white sweet lupin], Bean (*Phaseolus* spp ) [includes field bean kidney bean lima bean (succulent or dry) navy bean, pinto bean, runner bean, snap bean tepary bean wax bean], Bean (*Vigna* spp ) [includes 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*) [includes 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

**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 (includes black and Spanish), skirret, sweet potato tanier, turmeric, turnip, yam bean (jicama manioc pea) yam,

**Turf Grasses**

- 3) **For Export Uses** Cucurbit Vegetables Fruiting Vegetables Leafy Vegetables Brassica (Cole) Leafy Vegetables, Root and Tuber Vegetables, Onions, Corn Millet Peas Sorghum, and Sunflowers
- 4) **Terrestrial Nonfood Uses** Golf course turf, lawns and landscape areas around residential, institutional public commercial and industrial buildings parks, recreational areas and athletic fields, uses on ornamentals grown in container, bench, flat, plug, bed or in the field, in greenhouses, shade houses, outdoor nurseries, retail nurseries, interiorscapes and other landscape areas
- 5) **Uses for which the US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration, and**
- 6) **Uses for experimental purposes that are in compliance with US EPA requirements**

**STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food, or feed by storage and disposal

**PESTICIDE STORAGE** Always use original container to store pesticides in a cool dry secured warehouse or storage building **DO NOT** store near food and feed Containers should be opened in well-ventilated areas Keep container tightly sealed when not in use

**PESTICIDE DISPOSAL** Open dumping is prohibited Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

**CONTAINER HANDLING**

**For Plastic or Paper Bags** Nonrefillable container **DO NOT** reuse or refill this container Completely empty bag into manufacturing equipment Offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or if allowed by state and local authorities, by burning If burned stay out of smoke

**Plastic Containers with Capacities Equal to or Less than 50 lbs** Nonrefillable container **DO NOT** reuse or refill this container Triple rinse (or equivalent) promptly after emptying **Triple rinse as follows** Empty the remaining contents into manufacturing equipment or a mix tank Fill the container 1/4 full with water and recap Shake for 10 seconds Pour rinsate into manufacturing 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 Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning If burned, stay out of smoke

**Plastic Containers with Capacities Greater than 50 lbs** Nonrefillable container Do not reuse or refill this container Triple rinse container (or equivalent) promptly after emptying **Triple rinse as follows** Empty the remaining contents into manufacturing equipment or a mix tank Fill the container 1/4 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 a mix tank or store rinsate for later use or disposal Repeat this procedure two more times Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities Plastic containers are also disposable by incineration, or if allowed by State and local authorities by burning If burned stay out of smoke

**Fiber drums with liners** Nonrefillable container **DO NOT** reuse or refill this container Completely empty liner by shaking and tapping both sides and bottom to loosen clinging particles Empty residue into manufacturing equipment Then offer fiber drum and liner for recycling if available

**WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE APPLICATION, HANDLING, AND DISPOSAL TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER RESULTING FROM OR BY REASON OF OR ARISING OUT OF THE MISUSE OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT

**If you do not agree with or do not accept any of the directions for use, the warranty, disclaimers, or limitations of liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded**

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