

55146-102

08/22/2008

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number:

55146-102

Date of Issuance:

AUG 22 2008

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance: Conditional

Name of Pesticide Product:

Signet 480 FS Fungicide

Name and Address of Registrant (include ZIP Code):

Attn: Mary Beth Endres
Nufarm Americas Inc. AGT Division
150 Harvester Drive, Suite 200
Burr Ridge, IL 60527

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(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for re-registration of your product under FIFRA Section 4.
2. Before releasing the product for shipment, revise the EPA Registration Number to read, "EPA Reg. No. 55146-102."

Signature of Approving Official:

Tony Kish
Product Manager, Team 22
Fungicide Branch
Registration Division (7505P)

Date:

AUG 22 2008

3. In the 'Seeds' table, on page 4, correct the misspelling of 'Corn (Field)'.
4. Consider relocating the "First Aid" statements from page 2, to the first page of the label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release of the shipment of your product constitutes acceptance of these conditions.

A copy of the label stamped "Accepted with Comments" is enclosed for your records.

Enclosures

FOR SALE TO AND USE BY PROFESSIONAL APPLICATORS ONLY.
NOT FOR SALE TO OR USE BY HOMEOWNERS/CONSUMERS.

SIGNET™ 480 FS FUNGICIDE

AIDS IN THE CONTROL OR SUPPRESSION OF CERTAIN SEED, SEEDLING AND SOILBORE DISEASES

ACTIVE INGREDIENT:		
Thiram* (Tetramethylthiuram disulfide)	44.04%
OTHER INGREDIENTS:	55.96%
	TOTAL:	100.00%

* Equivalent to 4.0 pounds Thiram per gallon (480 grams per liter).

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

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

EPA REG. NO. 55146-
EPA EST. NO.

MANUFACTURED BY
NUFARM AMERICAS INC.
AGT DIVISION
150 HARVESTER DRIVE
BURR RIDGE, IL 60527



NET CONTENTS GALLONS

ACCEPTED
with **COMMENTS**
In EPA Letter Dated
AUG 22 2008

055146-00000.20080815.EPA change
NUP-08069

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

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**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Do not take alcohol immediately before or after exposure to this product. The consumption of alcohol by the applicator can increase the toxicity of the product.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance selection chart.

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

- Long-sleeved shirt and long pants,
- Shoes plus socks,
- Chemical-resistant gloves (such as barrier laminate or butyl rubber (≥14 mils), nitrile rubber (≥14 mils), neoprene rubber (≥14 mils), polyvinyl chloride (PVC) (≥14 mils), or Viton (≥14 mils), except when sewing bags of treated seed, and
- Chemical-resistant apron when mixing, loading, participating in dip treatments, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate.
- For exposures in enclosed areas, a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE profler; for exposure outdoors, a NIOSH approved respirator with any N, R, P or HE filter.

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

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.

USER SAFETY RECOMMENDATIONS	
Users Should:	
<ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing/PPE 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. 	

FIRST AID	
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 do so by the poison control center or doctor. • 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 to 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 ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
HOT LINE NUMBER	
<p>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.</p>	

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, birds, mammals, 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. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

Treated seeds, seed pieces, and bulbs are hazardous to fish, birds and mammals. For terrestrial uses do not plant treated seeds, or seed pieces by broadcasting to the soil surface. Ensure that all seeds, seed pieces, or bulbs are thoroughly covered with soil, especially in turn areas. If seeds, seed pieces, or bulbs are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds, seed pieces or bulbs.

PHYSICAL AND CHEMICAL HAZARDS

Keep away from heat and open flame.

DIRECTIONS FOR USE

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

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. 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.

Exception: Once treated seed, seed pieces, or bulbs, 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 contact with the treated seeds, seed pieces, or bulbs.

Early Entry PPE: 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, shoes plus socks, chemical-resistant gloves made of any waterproof material, and protective eyewear.

GENERAL PRODUCT INFORMATION

When used as a seed treatment, this product reduces seedling losses from seed decay, damping off and seedling blights.

Nufarm's recommendations for the use of this product are based upon tests believed to be reliable. FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

Seeds, Bulbs, Seed Pieces that are treated with this product and are then packaged or bagged for future use must contain the following labeling on the outside of the seed, bulb, seed piece package or bag:

"**Endangered Species** - This bag contains seed treated with thiram. 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."

Seed, Bulbs, Seed Pieces that are treated with this product and are then packaged or bagged for future use by growers or researchers must contain the following labeling on the outside of the seed, bulb, seed piece package or bag:

"This bag contains seeds, bulbs, or seed pieces treated with thiram. When opening this bag or loading/pouring the treated seeds, bulbs, or seed pieces, wear long-sleeved shirt, long pants, shoes, socks, and chemical resistant gloves."

"Treated Seeds, Bulbs, Seed Pieces - Do Not Use for Food, Feed, or Oil Purposes."

"After the seeds, bulbs, or seed pieces 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, bulbs or seed pieces 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 seeds, bulbs or seed pieces."

Seed, Bulbs, Seed Pieces that are treated with this product and are then packaged or bagged for future use by homeowners or other residential users must contain the following labeling on the outside of the seed, bulb, seed piece package or bag:

"Treated Seed, Bulbs, Seed Pieces - Do Not Use for Food, Feed, or Oil Purposes."

Seeds, Bulbs, Seed Pieces that are treated with this product and are then packaged or bagged for future use must contain the following labeling on the outside of the seed, bulb, seed piece package or bag:

"Treated seeds, bulbs and seed pieces are hazardous to fish, birds and mammals. Do not plant treated seeds, bulbs or seed pieces by broadcasting to the soil surface. Ensure that all planted seeds, bulbs and seed pieces are thoroughly covered with soil, especially in turn areas. If seeds, bulbs and seed pieces are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds, bulbs and seed pieces. Do not apply 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 washwater or rinsate or by disposal of wastes."

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In addition for cotton, barley, oats, sugar beets and wheat, include the statement

"Plant [cotton, barley, oats, sugar beet and wheat] seed a minimum of 1 inch deep."

Note: When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent use as a food for man or feed for animals.

FOR TREATMENT OF CONIFEROUS SEED

Damping-off protection: Use 2 quarts of this product per 100 pounds of seed. Slowly add to the seed while turning in a tumbler such as a concrete mixer. Tumble seed for approximately 2 minutes and then spread coated seed on a screen to dry.

FOR THE TREATMENT OF ORNAMENTAL BULBS, Corms AND TUBERS

Treat any time after drying. Dip in a suspension made by mixing 1.5 pints of this product in 8 gallons of water. Agitate the suspension. If they are to be stored, spread out to dry.

RECOMMENDATIONS FOR USE AS A COMMERCIAL SEED TREATMENT

This product is a liquid organic fungicide recommended for the treatment of seeds listed in the following table. Used according to directions, this product will usually increase stands and yields by reducing losses from seed decay, damping-off and seedling blights caused by many seedborne and soilborne organisms. This product will usually control covered smuts or bunt of wheat, barley and rye and covered kernel smut of sorghum and will usually prevent basal rot and decay of ornamental bulbs and tubers. This product aids in the control of *Alternaria* and *Phoma* on canola. This product aids in the control of seedborne conidia produced from the honeydew inoculum from field infection of *Claviceps africana* (ergot) on sorghum seed.

For Slurry-Type Treater: This product should be applied with water as a suspension in the slurry-type treater specifically designed and approved for this purpose.

For Filmcoating Operations: This product has demonstrated good to excellent compatibility with most commercial filmcoating products. Coating procedures identified by polymer/coating companies and filmcoating equipment manufacturers should be followed when preparing coating preparations containing this product. If it is desirable to prepare slurries in large containers for addition to the slurry tank, entire contents should be thoroughly agitated before withdrawing any of the slurry.

SEEDS	Fluid Ounces (Per bushel or 100 pounds)
Barley, Millet, Oats**, Rye, Sorghum, Triticale, Wheat	2.0/bu
Bean (Lima) and Peas	3.0/100 lb
Beans (Snap & Dry, Soybeans, Cowpeas)	2.0/100 lb
Beet (Garden), Swiss Chard	8.0/100 lb
Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Kohlrabi, Mustard, Turnip	8.0/100 lb
Canola **	6.4/100 lb
Cantaloupe, Cucumber, Pumpkin, Squash, Watermelon	4.5/100 lb
Carrot, Endive, Lettuce, Pepper, Radish, Spinach	8.0/100 lb
Castor bean**	4.5/100 lb
Chicory **	4.5/100 lb
Corn (Field)	1.5/bu
Corn (Sweet)	5.0/100 lb
Cotton, acid -delinted	4.5/100 lb
Cotton, reginned and fuzzy	4.5/100 lb
Eggplant	6.5/100 lb
Flax	3.0/bu
Grasses	8.0/100 lb

(Continued)

SEEDS	Fluid Ounces (Per bushel or 100 pounds)
Okra	6.0/100 lb
Onion**	6.0/100 lb
Ornamental flower seed**	8.0/100 lb
Peanuts *	3.0/100 lb
Rice	1.5/bu
Safflower, Sunflower	2.0/bu
Sesame	3.0/100 lb
Small seed legume	8.0/100 lb
Sugar beet	8.0/100 lb
Tomato	6.0/100 lb
All other vegetable seeds**	8.0/100 lb

*Note: In the treatment of peanuts, do not dilute with water.

**Not registered for use in California.

FOR THE TREATMENT OF RICE SEED IN CALIFORNIA

This product is a liquid organic fungicide recommended for the treatment of rice seed in California.

Used according to directions, this product will usually increase stands and yields by reducing losses from seed decay, damping-off and seedling blights caused by seedborne and soilborne organisms.

This product is recommended for use on well-cured rice seed in California prior to pre-plant soaking. This product should be used with water as a suspension in treaters suitable for adequate mixing and accurate application to the seed. If it is desirable to prepare slurries in large containers for addition to treater tanks, entire contents should be thoroughly agitated before withdrawing any of the slurry for seed treatment.

How to Use: Rice seed treatment in California

Slurry Treaters:

Treater Tank Concentration

Mix 1 gallon of this product with 1 gallon of water

Application Rate

4 fluid ounces per 100 pounds of seed

Mist-O-Matic Treaters:

Treater Tank Concentration

Mix 1 gallon of this product with 1 gallon of water

Application Rate

4 fluid ounces per 100 pounds of seed

Note: To prevent water contamination in irrigation or drainage canals soak water should be retained in settling basins.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original containers only in a secured area inaccessible to children and unauthorized persons. Absorb spills onto clay, sand or vermiculite and hold for proper disposal. Protect from excessive heat. Keep from freezing. Keep container closed when not in use. Do not store near food or feed. Stir before use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not use or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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. 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.

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

(NEW)

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