

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MAR 8 2005

John F. Wright
Authorized Representative of FMC Corp.
4201 Church Road, Suite 334
Mount Laurel, NJ 08054-2231

Subject: Label Amendment - Response to EPA's November 15, 2004 letter
Talstar 10 PH Insecticide
EPA Reg. No. 279-3286
Your Submission Dated December 2, 2004

Dear Mr. Wright:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

1. Add "Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse." after the statement "Avoid contact with skin, eyes or clothing" in the *Precautionary Statements*.
2. Replace "Inert Ingredients" with "Other Ingredients" in the *Ingredients* statement.

If you have any questions regarding this action, please contact BeWanda Alexander of my team at (703) 305-7460.

Sincerely,

A handwritten signature in cursive script that reads "BeWanda Alexander for".

George T. LaRocca

Product Manager (13)

Insecticide Branch

Registration Division (7505C)

Talstar® 10 PH Insecticide

For outdoor use only.

This product is for adult mosquito control.

Product is highly effective against *Culex spp.*, *Aedes spp.* and *Anopheles spp.*

This product is effective for reducing mosquito annoyances and control of mosquitoes that may transmit diseases such as:

- Malaria
- West Nile Virus
- West Nile Virus encephalitis
- Eastern encephalitis
- Eastern Equine encephalitis
- Western encephalitis
- Western Equine encephalitis
- St. Louis encephalitis
- LaCrosse encephalitis
- Dengue fever



Controls mosquitoes that may transmit malaria, arboviruses or encephalitis.

May be applied to tire piles to control adult mosquitoes.

Use as a space spray.

To control adult mosquitoes outdoors on residential, institutional, public, commercial and industrial buildings, and lawns, ornamentals, parks, recreational areas and athletic fields.

Provides up to one month residual control of mosquitoes.

This product is packaged in child resistant packaging.

For effective adult mosquito (including organophosphate resistant species) control.

Fast and effective control of adult mosquitoes.

Provides quick knockdown and effective control of mosquitoes.

[Lawn Icon]

[Ornamental Icon]

[Perimeter Icon]

[FMC Logo]

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

Net Contents: 1 pound

[Each water soluble bag contains 0.82 oz. of Talstar 10 PH insecticide in foil line bag]

ACCEPTED
with COMMENTS
In EPA Letter Dated
MAR 8 2005
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
279-3286

Talstar® 10 PH Insecticide

For use by only those persons certified or working under the direct supervision of a person certified by the state pesticide regulatory agency in the appropriate category for the application of products to control adult mosquitoes.

EPA Reg. No. 279-3286

EPA Est. 279-NY-1

Active Ingredients:	By Wt.
Bifenthrin:*	10.0%
Inert Ingredients:	<u>90.0%</u>
	100.0%

*Cis isomers 97% minimum, trans isomers 3% maximum.
U.S. Patent No. 4,238,505

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien a alguien para que se la explique en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See other panels for additional precautionary statements.

PRECAUTIONARY STATEMENTS

Hazards to Human (and Domestic Animals)

WARNING

May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes or clothing.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

After the product is diluted in accordance with label directions for use, shirts, pants, socks, shoes and waterproof gloves are sufficient. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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User Safety Recommendations

Users Should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID (Pyrethroid)	
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center immediately for treatment advice. • Have a person sip a glass of water if able to swallow • Do not induce vomiting unless told to do so by a 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 15-20 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 15-20 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 by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER (Pyrethroid)	
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-(800)-331-3148 for Emergency Assistance.	
Note to Physician	
Note to Physician: This product is a pyrethroid. If large amounts have been ingested, the stomach and intestine should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils and alcohol may increase absorption and so should be avoided.	
For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).	

Environmental Hazards

This pesticide is extremely toxic to fish and aquatic invertebrates. 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 run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwaters. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow to drift to blooming crops if bees are visiting the treatment area.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended only for aesthetic purposes or climatic modifications and being grown in ornamental gardens or parks, or lawns and grounds.

Not for use on sod farm turf, golf course turf or grass grown for seed.

Do not apply this product through any kind of irrigation system including lawn sprinkler systems.

Do not allow people or pets on treated surfaces until spray has dried.

Let surfaces dry before allowing people and pets to contact surfaces.

[*Reentry icon*] People and pets may enter treated area after application has dried.

Do not apply when wind speed exceeds 10 MPH.

STORAGE AND DISPOSAL

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

Storage: Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use replace lids and close tightly. Do not put concentrate or dilute material into food or drink container.

[Additions to the Storage & Disposal Section for Water Soluble Bags]

Do not store at temperatures below 32°F (0°C). Rough handling may cause breakage, especially at low temperatures. Allow to warm above 50°F (10°C) before use. Do not allow inner bag to become wet during storage. Do not handle inner bag with wet hands or gloves.]

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In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call FMC: 1-800-331-3148.

To Confine Spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

Pesticide Disposal: Pesticide wastes are toxic. Do not contaminate water, food or feed by storage or disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. Dispose of excess or waste pesticide by use according to label directions, or contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal Plastic Container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Plastic Bags: Completely empty bag into application equipment. Then dispose of bag empty bag on sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

General Application Instructions

Talstar® 10 PH Insecticide is a 10% wettable powder formulation, which mixes readily with water and may be used with hand-held and back pack sprayers and mist blowers, ground sprayers, power sprayers, and truck mounted hydraulic sprayers. Do not apply with handheld or truck mounted cold aerosol ULV sprayers and thermal fogging devices. Do not tank mix with other pesticide products.

Remove all exposed food and cooking utensils. Cover all food handling surfaces or wash thoroughly after treatment and before use. Do not use on edible crops.

Resistance: Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state pest management authorities for details. If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and suspect that resistance is a reasonable cause, immediately consult your local company representative or pest management advisor for the best alternative method of control for your area.

Talstar®10 PH insecticide is to be diluted with water for spray application. Do not use strainers finer than 50 mesh size. Fill sprayer with one half of desired volume of water, add the product, and fill to desired volume. Close and shake or agitate before use in order to insure proper suspension of the wettable powder. Shake or re-agitate the sprayer before use if spray is interrupted. Mix only the amount of suspension needed for the application.

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[This next section is for water soluble bag packaging option]

The outer package contains an insecticidal wettable powder packaging in clear water soluble bags. Do not allow the inner bags to become wet before adding to the spray tank. Do not handle the clear inner bags with wet hands or gloves. Do not carry the bags on your person in a manner that allows contact with perspiration. Do not store at temperatures below 32°F (0°C). Rough handling may cause breakage, especially at low temperatures. Allow to warm above 50°F (10°C) before use. Cooler water temperature increase the time needed for the inner bag to dissolve completely.

Talstar®10 PH insecticide is to be diluted with water for spray application. Do not use strainers finer than 50 mesh size. Fill sprayer with one half of desired volume of water, add the water soluble bag(s). After the bag(s) have dissolved, fill the sprayer to desired volume. Close and shake or agitate for 30 seconds before use in order to insure proper suspension of the wettable powder. Shake or re-agitate the sprayer before use if spray is interrupted. Mix only the amount of suspension needed for the application.

Mosquitoes

Apply Talstar 10 PH insecticide for mosquito control at an application rate of 0.07 to 0.2 lbs bifenthrin/acre. Use the high rate for residual control of mosquitoes.

Mix 0.27 to 0.82 oz of this product in one gallon of water. This equals 1/3 to 1 scoop or 7.72 to 23.15 grams of product. [For water soluble bag, mix one bag in 1 to 3 gallons of water.] Apply at the rate of one gallon of spray mixture per 1,000 square feet as a general spray around landscapes, lawns and buildings to control mosquitoes. For higher volume applications, Talstar PH insecticide may be diluted at lower concentrations and applied at greater volumes to deliver the desired amount of product per area. Higher application volumes may be used to obtain desired coverage of dense vegetation or landscaping materials.

[Delete this table for water soluble bag use]

As an example for the high use rate of 0.82 oz of this product or 0.2 lbs ai/acre see the table below.

To prepare the correct end-use dilution, add the following amount of Talstar 10 PH insecticide per gallon of water	Application Volume (Gallons Suspension/1,000 sq. ft.)
0.82 oz or 23.15 grams	1
0.41 oz or 11.58 grams	2
0.27 oz or 7.72 grams	3
0.20 oz or 5.78 grams	4
0.16 oz or 4.63 grams	5

Do not apply more than 0.82 oz. (23.15 grams) [one water soluble bag]of Talstar 10 PH insecticide per 1,000 square feet (equivalent to 0.2 lbs. bifenthrin/acre).

Apply as a residual spray to outside surfaces of buildings including but not limited to,

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exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as grass areas adjacent to or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, fence lines, storage sheds, barns, and other residential and non commercial structures, soil, trunk of woody ornamentals, trees, shrubs, ground cover, bedding plants, foliage plants, flowers, non-bearing fruit and nut trees, urban areas, parks, campsites, athletic fields, playgrounds, recreational and overgrown waste areas, roadsides and other areas where mosquitoes are found. Non-bearing crops are perennial crops that will not produce harvestable raw agricultural commodities during the season of application.

Use the high rate for heavy pest infestation, quicker knockdown or longer residual control. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. For the lower use rates, repeat application should be limited to no more than once per seven days. For the residual or high use rate of 0.82 oz [(one water soluble bag)] of this product or 0.2 lbs ai/acre, apply once per month or every four weeks. Do not apply more than once per month for the high rate.

For best results, apply when the mosquitoes are most active. Application during the cooler hours of the night or early mornings is recommended.

Pest Control on Outside Surfaces and Around Buildings

For control of Ants, Carpenter Ants, Fire Ants, Armyworms, Bees, Beetles†, Biting Flies, Boxelder Bugs, Centipedes, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, , Dichondra Flea Beetles, Earwigs, Elm Leaf Beetles, Firebrats, Fleas, Flies, Gnats, Grasshoppers, Hornets, Japanese Beetles†, Midges, Millipedes, Mosquitoes, Moths, Roaches (including Cockroaches), Scorpions, Silverfish, Sod Webworms, Sowbugs (Pillbugs), Spider Mites, Spiders (including Black Widow Spiders), Springtails, Ticks (including Brown Dog Ticks), and Wasps.

†Not for use in California.

Apply Talstar® 10 PH Insecticide using a 0.02 to 0.06% suspension as a residual spray to outside surfaces of buildings including, but not limited to, exterior siding, foundations, porches, window frames, eaves, patios, garages, refuse dumps, lawns such as grass areas adjacent or around private homes, duplexes, townhouses, condominiums, house trailers, apartment complexes, carports, garages, fence lines, storage sheds, barns, and other residential and non-commercial structures, soil, trunks of woody ornamentals and other areas where pests congregate or have been seen. Use a spray volume of up to 10 gallons of suspension per 1,000 square feet. Higher application volumes may be used to obtain the desired coverage of dense vegetation or landscaping materials.

Mixing Directions: For 0.02% suspension, mix 0.27 oz. [one water soluble bag] of this product per [3]gallon of water. For 0.06% suspension, mix 0.82 oz.[one water soluble bag] of this product per gallon of water. This equals 1/3 to 1 scoop or 7.72 to 23.15 grams of product. Do not use household utensils to measure this product. Use the higher rate for

heavy pest infestation, quicker knockdown or longer residual control. Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure. Repeat application is necessary only if there are signs of renewed insect activity. For the lower use rates, repeat application should be limited to no more than once per seven days. For the residual or high use rate of 0.82 oz [(one water soluble bag)]of this product or 0.2 lbs ai/acre, apply once per month or every four weeks. Do not apply more than once per month.

Perimeter Treatment: Apply to a band of soil and vegetation 6 to 10 feet wide around and adjacent to the structure. Also, treat the foundation of the structure to a height of 2 to 3 feet. Apply 0.27 to 0.82 oz. of this product per 1,000 square feet in sufficient water to provide adequate coverage. [For water soluble bag, apply one bag in of this product per 1,000 square feet in sufficient water to provide adequate coverage.]1 to 3 gallons of water.]

For Ant and Fire Ant Mounds use Talstar 10 PH 0.06% suspension as Drench

Method: Apply 1-2 gallons of suspension to each mound area by sprinkling the mound until it is wet and treat a 4 foot diameter circle around the mound. Use the higher volume for mounds larger than 12". For best results, apply in cool weather, such as in early morning or late evening hours, but not in the heat of the day.

In New York State, this product may NOT be applied to any grass or turf area within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch). In New York State, do make a single repeat application of Talstar 10 PH if there are signs of renewed insect activity, but not sooner than two weeks after the first application.

Attention

Do not apply by aircraft.

Do not apply indoors.

Do not apply in greenhouses or nurseries.

Do not apply this product through any kind of irrigation system including lawn sprinkler systems.

Do not apply to pets or crops.

Talstar 10 PH insecticide will not stain any surface that water alone will not stain or damage.

Do not apply this product in livestock buildings (barns).

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded. The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

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Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and buyer assumes the risk of any such use.

To the extent allowed by law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT. This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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