

EW 27 65626-7 MAR 29 1995



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (177505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number: 65626-7
Date of Issuance: MAR 29 1995

Term of Issuance: Conditional

NOTICE OF PESTICIDE:
 Registration
 Reregistration

Name of Pesticide Product: Mycotrol
WP Biological
Insecticide

(under FIFRA, as amended)

Name and Address of Registrant:
Mycotech Corporation
630 Utah Avenue
P.O. Box 4109
Butte, MT 59701

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/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

a. Revise the EPA Registration Number to read, "EPA Reg. No. " 65626-7.

b. Move the precautionary statement "KEEP OUT OF REACH OF CHILDREN" above the signal word "DANGER".

c. There are two typographical errors in the Spanish precautionary statement. Change siguien to alguien and detaile to detalle.

d. Under the "HAZARDS TO HUMANS AND DOMESTIC ANIMALS" section of the label, change the statement "Causes eye irritation." to "Corrosive, causes eye irritation. May cause skin irritation." Add "Wear a dust/filtering respirator with MSHA/NIOSH approval number prefix TC-21C.".

Signature of Approving Official: *[Handwritten Signature]*

Date: MAR 29 1995

2. continued

e. Change the "IF IN EYES:" statement in the "STATEMENT OF PRACTICAL TREATMENT" portion of the label to read as follows: "hold eyelids open and flush with plenty of water. Get medical attention."

f. Add "waterproof gloves" and "dust/filtering respirator with MSHA/NIOSH approval number prefix TC-21C" to the "PERSONAL PROTECTIVE EQUIPMENT" section of the label.

g. Add the following honeybee precautionary statements to the "ENVIRONMENTAL HAZARDS" section of the label: "This product is potentially pathogenic to honeybees. Avoid applying to areas where honeybees are actively foraging or around bee hives."

h. Delete the statement "Refer to supplemental labeling under "Agricultural Use Requirements in the Directions for Use section for information about this standard." from the "AGRICULTURAL USE REQUIREMENTS" portion of the label. Refer to the Code of Federal Regulations 40, Part 156.206 for guidance on when you need to use this statement.

i. Move the statement "Do not contaminate water, food, or feed by storage or disposal." from the "STORAGE" subsection of the label to directly under the heading "STORAGE AND DISPOSAL".

3. A description of the procedure for analysis of beauvericin and bassianolide and analyses for these metabolites from five (5) production lots must be submitted within nine (9) months of the conditional registration date.

4. A honeybee hive test must be conducted as a condition of registration and submitted within one year of the conditional registration date.

5. Further nontarget insect testing must be conducted. This testing should be preceded by consultation with appropriate scientific staff of the Agency. It may consist of monitoring for *B. bassiana* Strain GHA infections and mortality before and after one or preferably more applications for each crop, crop group or use pattern. In order to keep monitoring fairly simple while optimally providing some relevant nontarget insect risk assessment information, it may be useful to collect four or five common sentinel species from a treatment area, confine them with water *ad libitum* until they die and then place them in a petri dish with a moisture source to determine if *B. bassiana* Strain GHA emerges.

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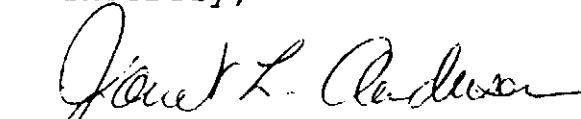
This would be the minimal effort needed to determine the relevance of pathogenicity in laboratory studies to pathogenicity under actual field conditions.

6. Submit two copies of the revised final printed label for review.

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

A stamped copy of the label is enclosed for your records.

Sincerely,



Janet L. Andersen, Acting Director
Biopesticides and Pollution Prevention Division
(7501W)

MYCOTECH CORPORATION
A Fungal Technology Company
MYCOTROL® WP BIOLOGICAL INSECTICIDE

Biological Insecticide for Control of Whitefly, Aphids, Thrips, Psyllids, Mealybugs and Leafhoppers in Field and Greenhouse Crops, Ornamentals, Turf and Forestry

Active Ingredient: <i>Beauveria bassiana</i> Strain GHA.....	63%
Inert Ingredients.....	37%
Total.....	100%

ACCEPTED

APR 14 1994

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 65626-

This product contains 2×10^{13} viable *Beauveria bassiana* spores per pound.

KEEP OUT OF REACH OF CHILDREN
DANGER - PELIGRO

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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Corrosive; causes eye irritation. May cause skin irritation. Do not get in eyes, on skin or on clothing. Wear goggles, face shield, or safety glasses when handling. Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin and breathing dust. Wear a dust/filtering respirator with MSHA/NIOSH approval number prefix TC-21C. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

Statement of Practical Treatment

- IF IN EYES:** Hold eyelids open and flush with plenty of water. Get medical attention.
- IF SWALLOWED:** Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.
- IF ON SKIN:** Wash with plenty of soap and water. Get medical attention if irritation persists.
- IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes plus socks, protective eyewear, waterproof gloves and dust/filtering respirator with MSHA/NIOSH approval number prefix TC-21C. 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.

Environmental Hazards

This product is potentially pathogenic to honey bees. Avoid applying to areas where honey bees are actively foraging or around bee hives. 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 by disposal of equipment wash waters.

BEST COPY AVAILABLE

Net Contents: _____
Lot Number: _____ Expiration Date: _____

Directions for Use

It is a violation of federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

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
- * Waterproof gloves
- * Shoes plus socks
- * Protective eyewear

For use in controlling Whitefly, Aphids, Thrips, Psyllids, Mealybugs and Leaf Hoppers in agronomic and vegetable crops, ornamentals, turf and forestry. For field and greenhouse use. May be aerially applied. Do not use with ultra low-volume application equipment.

INSECTS FOR WHICH MYCOTROL WP MAY BE USED

WHITEFLY, SUCH AS

Banded-winged Whitefly
Citrus Blackfly
Citrus Whitefly

Greenhouse Whitefly
Silver-leaf Whitefly
Sweet Potato Whitefly (aka Tobacco Whitefly)

APHIDS SUCH AS

Bean Aphid
Cabbage Aphid
Cowpea Aphid
Green Peach Aphid
Greenbug
Hop Aphid

Melon/Cotton Aphid
Pea Aphid
Potato Aphid
Russian Wheat Aphid
Spotted Alfalfa Aphid

THRIPS, SUCH AS

Greenhouse Thrips
Pear Thrips
Potato/Onion Thrips

Thrips palmi
Western Flower Thrips

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PSYLLIDS, SUCH AS

Pear Psylla

Tomato/Potato Psylla

MEALYBUGS, SUCH AS

Citrus Mealybug

Grape Mealybug

CROPS ON WHICH MYCOTROL VP MAY BE USED**VEGETABLES, SUCH AS**

asparagus

beans

beet

broccoli

Brussels sprouts

cantaloupe

cauliflower

celeriac

celery

chickpeas

Chinese broccoli

Chinese cabbage

collards

crenshaw melon

cucumber

eggplant

endive

fennel

garlic

gherkin

golden pershaw melon

gourds (edible)

honey balls

honeydew melon

horseradish

kale

kohlrabi

leek

lentils

lettuce

mango melon

muskmelon hybrids/varieties

mustard greens

New Zealand spinach

okra

onion

parsley

peas

pepper

Persian melon

pineapple melon

potato

pumpkin

radish

rhubarb

rutabaga

shallot

snake melon

soybeans

spinach

squash (winter)

sugar beet

sweet potato

Swiss chard

tomatillo

tomatoes

turnip

watermelon

yam

FRUITS AND BERRIES, SUCH AS

apple

apricot

bananas

blackberry

blueberry

citrus hybrids

coffee

cranberry

grape

guacfruit

kumquat

lemon

limes

mandarin

nectarine

orange

oriental pear

peach

pear

pineapple

plum

prune

sour cherry

strawberry

sweet cherry

tangelo

TREE NUTS, SUCH AS

almond

pecan

pistachios

walnut

AGRONOMIC CROPS, SUCH AS

alfalfa

barley

clover

corn (field, sweet, pop)

cotton

hay

hops

oats

peanuts

potato

rapeseed

safflower

sorghum

soybeans

sugarbeets

sugarcane

sunflower

sweet corn

wheat

HERBS AND SPICES, SUCH AS

basil

dill

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ORANAMENTALS, TURF & FORESTRY, SUCH AS

African violet	dracaena	narcissus
alyssum	dumb cane	oak
anthurium	Dusty Miller	oleander
arbor vites	fig	olive
asparagus sprengeri	firethorn	ornamental kale
aster	floss flower	pansy
atlas cedar	freesia	parasol pine
azalea	fuchsia	pelegonium
bald cypress	gardenia	petunia
balsam fir	geranium	phlox
begonia	gerbera	photina
Bermuda grass	gerber daisy	piggyback plant
blue grass	gladiolus	pine
Boston fern	gloxinia	pink
bougainvillea	hedera	pittosporum
bridal veil	hemlock	podocarpus
caladium	hibiscus	poinaetia
calendula	holly	pothos ivy
calla lily	honey suckle	prayer plant
carnation	impatiens	primrose
celosia	India hawthorn	privet
chenille plant	Japanese barberry	pteris fern
Christmas cactus	Japanese boxwood	rhododendron
chrysanthemum	Japanese spindle tree	rose
cinararia	Japanese yew	salvia
coleus	juniper	schefflera
cordyline	kalanchoe	shrub verbena
corylusavellana	lantana	shrubby cinquefoil
cotoneaster	leatherleaf fern	smoke tree
cottonwood	lily	snapdragon
crepe myrtle	lithodora	spruce
crossandra	lobelia	St. Augustine grass
croton	loquat	sweet gum
cyclamen	maple	sweet pea
cypress	madgold	sweet William
dahlia	Mediterranean fan palm	Texas sage
daisy	mesembryanthemum	verbena
decodar cedar	monstera	viburnum
dicondra	mother-in-law plant	vinca
dogwood	mountain laurel	wandering Jew
Douglas fir	nandina	zoysia grass

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DOSAGE RATE

Apply at a rate of 1/4 to one pound MYCOTROL WP per acre with quantities of water sufficient to provide thorough coverage of infested plant parts – 5-100 gallons per acre, the volume depending upon the crop canopy, identity of target pest, infestation severity and application method. In mixing, first add an amount of water to the spray or mixing tank that is optimal for agitation. Then add an approved spreader sticker and allow it to completely dissolve. Finally add the desired quantity of MYCOTROL WP slowly, continuing agitation. If using MYCOTROL WP in water soluble bags, add the appropriate number of bags and allow to dissolve. Add balance of the water and continue mixing. The suspension should be maintained while loading and spraying. Do not mix more MYCOTROL WP than can be used the day of application; MYCOTROL WP, if left overnight or longer in spray diluent, will lose its efficacy.

APPLICATION

Apply by conventional ground, commercial hand-held and aerial equipment at 7 to 10 day intervals; very intense pest pressure, esp. from whiteflies, may require application at 4-5 day intervals. Repeat applications of MYCOTROL WP as many times as necessary while pest pressure persists. MYCOTROL WP can be used in a tank-mix with the following chemical insecticides: synthetic pyrethroids (including Demtol[®], Mustang[®], Capture[®], Asana[®]); organophosphates (including Monitor[®], Orthene[®], Lorsban[®]); methomyl (including Lannate[®]) on crops for which those chemicals are registered, at label rates. Endosulfan is not compatible with MYCOTROL WP and should not be used in a tank mix or concurrent treatments. Do not tank mix with herbicides or fungicides. Close scouting of treated fields is recommended. There is no restriction as to the maximum amount of MYCOTROL WP applied in a season. Can be used outdoors or in greenhouse.

CHEMIGATION

Do not apply this product through any type of irrigation system.

STORAGE AND DISPOSAL

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

STORAGE

- Open dumping is prohibited.
- Store in a dry place.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility. Do not contaminate water when disposing of equipment washwaters.

CONTAINER DISPOSAL

- * Completely empty bag into application equipment and 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.

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CONDITIONS OF SALE

Seller makes no warranty, express or implied, or merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with the accompanying instructions. As labels are subject to revision, always carefully read and follow the label on the product container.

Mycotech Corporation's recommendations for the use of this product have been determined based on tests conducted and believed reliable.

DAMAGES: Are limited to direct damages only, not exceeding the purchase price paid and shall not include incidental or consequential damages.

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