

Reg # 42850-2

PM-13

File  
174



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

23 1993

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Joseph Synek  
DIATECT INTERNATIONAL INC.  
P. O. Box 342  
Smith Center, KS 66967

Subject: Label Amendment Submission of 11/06/93 in Response to PR Notice 93-7  
EPA Reg. No. 42850-2  
DIATECT MULTIPURPOSSE INSECTICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

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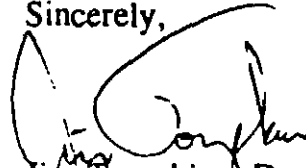
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

3941

**BEST AVAILABLE COPY**

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

MAR 23 1994

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.  
42850-2

**PRECAUTIONARY STATEMENTS!**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS.**

Avoid Contact with eyes and skin. In case of contact, immediately flush eyes and skin with water. Get medical attention if irritation persists. Use in adequate ventilation and avoid breathing dust. Applicators and other handlers must wear coveralls or long-sleeved shirt and pants, waterproof gloves, shoes & socks and for exposures outdoors, a dust/mist filtering respirator (MSHA/NIOSH) approved number prefix TC-21C. Follow manufacturer's instructions for cleaning and maintaining Personal Protective Equipment. If no instructions for washables are given, use detergent and hot water. Keep and wash Personal Protective Equipment separately from other laundry.

**User Safety Recommendations:**

- \* Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- \* 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 clothes.

**ENVIRONMENTAL HAZARDS!**

This product is toxic to fish. Do not apply directly to any body of water. Do not apply when weather conditions favor drift from the treatment area. Do not contaminate water by disposal of equipment wash rinses. Apply this product only as specified on this label.

**STORAGE AND DISPOSAL**

**STORAGE:** Store in original container in a cool dry place out of sunlight.

**DISPOSAL:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse container. If possible, flush container with water and use the water in application. Wrap empty flushed container and discard in trash.

**WARRANTY STATEMENT**

Seller warrants that this product conforms to the ingredient statement on the label. Since conditions of use, such as weather, compatibility with other chemicals and conditions of application equipment will vary, seller makes no claims other than those stated on this label.

**DIATECT  
MULTIPURPOSE  
INSECTICIDE**

**ACTIVE INGREDIENTS:**

Pyrethrins.....	0.1 %
Piperonyl Butoxide.*	1.0 %
Silicon Dioxide.....	83.3 %
INERTS.....	15.6 %

\*Equivalent to 0.8% (butylcarbitol) (6-propylpiperonyl) ether and 0.2% related compounds.

**KEEP OUT OF REACH OF CHILDREN!**

**CAUTION!**

**STATEMENT OF PRACTICAL TREATMENT  
First Aid Procedures:**

- IF SWALLOWED:** Call a physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.
- IF INHALED:** Remove person to fresh air. Apply artificial respiration if indicated.
- IF ON SKIN:** Remove contaminated clothing and wash affected areas with soap and water.
- IF IN EYES:** Flush eyes with plenty of water. Call a physician immediately, if irritation persists.

Diatect International, Inc  
P.O. Box 342  
Smith Center, Kansas 66967

EPA Reg. No. 42850-2  
EPA Est. No. 50980-IIS-1  
Net Wt.: \_\_\_\_\_  
Batch No. \_\_\_\_\_

**SEE BACK PANEL FOR  
ADDITIONAL DIRECTIONS.**

**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

**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, 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). The requirements only require use 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. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

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 and shoes and socks.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to use of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses. Keep unprotected persons, children and pets out of the treated area until sprays have dried.

PPE required for early entry to treated areas prior to the time the sprays have dried, 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: long sleeved shirt and long pants, waterproof gloves and shoes and socks.

**GENERAL INFORMATION:** Carefully follow the directions for each type of use. When used as directed, allowable tolerance levels will not be exceeded. This material may be used on edible crops growing outdoors or in greenhouses, up to and including the day of harvest. May be used where resistant insects are a problem. Use rates will vary with insect populations and adequate control should be obtained using one to six pounds per acre of the DIATECT MULTIPURPOSE INSECTICIDE.

**USE RATES FOR THE FRUITS, NUTS, VEGETABLES, FIELD CROPS, ORNAMENTALS AND MISC. CROPS.** Use 1 to 6 pounds of product per acre depending upon the insect population. The material can be used either

As a DUST, the best results are obtained when the plants are wet or dew still remains on the leaf surface. It is suggested that the plants are misted prior to application to obtain the maximum benefits and use the least amount of product for control. Reapply only as necessary.

As a WETTABLE POWDER, apply in sufficient water to obtain maximum coverage. Dilution of the material should be at the rate of one half pound in a one half gallon of water or at a maximum of one pound to 25 gallons of water. It is best to keep the material agitated during application. Apply the material uniformly to both the upper and lower leaf surfaces. Reapply only as necessary. Rates will vary with insect populations, but adequate control can be obtained at one to six pounds product per acre.

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## DIATECT MULTIPURPOSE INSECTICIDE

### DIRECTIONS FOR USE

#### VEGETABLE CROPS:

**FOR THE CONTROL OF INSECTS SUCH AS:** Aphids, Leafhoppers, Mexican Bean Beetle, 12 spotted Cucumber Beetle, Army worms, Beet Webworms, Blister Beetles, Cabbage Looper, Cabbage Worms, Celeryflies, Celery Leaf-tiers, Colorado Potato Beetle, Corn Earworm, Cucumber Beetles, Diamond Back Moth Larva, European Corn Borer, Flea Beetles, Garden Fleashoppers, Harlequin Bug, Imported Cabbageworms, Japanese Beetles, Leafhoppers, Leaf miners, Leaf-tiers, Loopers, Lygus Bugs, Mites, Oblique-banded Leaf-eaters, Plant Bugs, Stink Bugs, Squash Vine Borers, Thrips, Vegetable Weevils, Webworms and White Flies.

#### Growing Crops (Outdoors and Greenhouses)

**Root and Tuber Vegetables:** Including but not limited to Arracacha, Arrowroot, Purple Arrowroot, Japanese Artichoke, Jerusalem Artichoke, Beets, Sugar Beets, Edible Burdock, Carrots, Cassava (Bitter & Sweet), Carambola (Custard Apple), Chervil (Turnip Root), Chicory, Chives, Dandelion, Ginger, Ginseng, Horseradish, Lotus, Parsley (Turnip root), Parsnip, Potato, Radish, Japanese Radish, Rutabaga, Salsify, Black Salsify, Sweet Potato, Taro, Taro Root, Turnip, Turnip, Yam, Yam Bean.

**Leaves of Root and Tuber Vegetables:** Including but not limited to Beet, Sugar Beet, Edible Burdock, Carrot, Cassava (Bitter & Sweet), Celery, Chervil, Chicory, Dandelion, Parsnip, Radish, Japanese Radish, Rutabaga, Black Salsify, Sweet Potato, Taro, Turnip, and Yam (True).

**Leaf Vegetables:** Including but not limited to Garlic, Leek, Onion (Bull or Green), Shallot.

**Leafy Vegetables:** Including but not limited to Amaranth, leafy Amaranth, Chinese Spinach, Tansy, Arugula, Celery, Celuce, Chervil, Chives, Corn Salad, Chrysanthemum (edible leaves), Chrysanthemum parthenocarpum, Cross (garden), Upland Cross (yellow/red/white cross), Dandelion, Dock, Endive, Fennel, Lettuce (head and leafy), Dracopis, Purslane (garden and winter), Rhubarb, Spinach, Fine Spinach (Lettuce), Spinach (New Zealand), Swiss Chard.

**BRASSICA (COLE) Leafy Vegetables:** Including but not limited to Broccoli, Chinese Broccoli, Broccoli Rabe, Brussels Sprouts, Cabbage, Chinese Cabbage (Bok Choy, Napa), Chinese Mustard Cabbage (Gai Choy), Cauliflower, Collards, Kale, Kohlrabi, Mustard Greens, Rape Greens.

**Legume Vegetables (Succulent or Dried):** Including but not limited to Adzuki Beans, Field Beans, French Beans, Kidney Beans, Lima Beans, Mung Beans, Navy Beans, Pinto Beans, Runner Beans, Snap Beans, Tertiary Beans, Urd Beans, Wax Beans, Asparagus Beans, Black eyed Peas, Cajana, Chinese Longbeans, Cowpeas, Chowder Peas, Southern Peas, Yard-Longbeans, Broad Beans, (Fava Beans), Chick Peas (Garbanzo Beans), Guar, Jack bean (Sword Beans), Lablab (Mucuna), Lentils, Peas (Garden peas, field peas, sugar peas), Pigeon Peas, Soybeans.

**Foliage of Legume Vegetables:** Including but not limited to plant parts of any legume vegetable included in the Legume vegetable group that will be used as animal feed including any variety of Beans, Field Peas, Soybeans.

**Fruiting Vegetables:** Including but not limited to Eggplant, Ground Cherry, Okra, Papaya, Pepper (Bell Pepper, Chili Pepper, Cooking Pepper, Pimento, Sweet Pepper), Tomatillo, Tomatoes.

**Cucurbit Vegetables:** Including but not limited to Bitter Melon, Chinese Waxgourd, Citron Melon, Cucumber, Gherkin, Edible Gourds, Melons including hybrids, Cantaloupe, Casaba, Cranberry, Honeydew melons, Honey Balls, Mango Melon, Muskmelon, Persian Melon, Pumpkin, Squash (summer & winter), Watermelon including hybrids.

#### ORNAMENTALS:

**FOR THE CONTROL OF INSECTS SUCH AS:** Aphids, Armyworms, Cicadas, Caterpillars, Flea Beetles, Fleashoppers, Flies, Fruit Flies, Japanese Beetles, Leafhoppers, Leafminers, Leafrollers, Loopers, Lygus Bugs, Mealy Bugs, Mites, Plant Bugs, Thrips, and White Flies.

**ORNAMENTALS:** Such as African Violets, Aster, Anise, Begonia, Calceolaria, Calendula, Calla, Camellia, Carnation, Cineraria, Chrysanthemum, Cypress, Daffodil, Dahlia, Dogwood, Elm, Eucalyptus, Fern, Ficus, Geranium, Gladiolus, Gypsophila, Holly, Juniper, Lily, Marigold, Oak, Palm, Peony, Philadelphus, Philodendron, Pine, Roses, Snapdragon, Sweetpea, Tulip, Viburnum, Wandering Jew, Yew and Zinnia.

#### HERBS, SPICES AND SPECIALTY CROPS:

**FOR THE CONTROL OF SUCH INSECTS AS:** Aphids, Loopers, Mites, Plant Bugs, Thrips and White Flies.

**HERBS AND SPICES:** Including but not limited to Anise, Basil, Borealis, Borage, Camomile, Caraway, Catnip, Chives, Cilantro, Coriander, Costmary, Cumin, Curry Leaf, Dill, Fennel (Italian & Sweet), Fenugreek, Horshound, Hyssop, Marigold (Sweet & Wild), Mint, Nasturtium, Oregano, Pennyroyal, Rosemary, Rue, Sage, Savory (Winter and Summer), Sweet Bay (Bay Leaf), Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood.

**SPECIALTY CROPS:** Such as Artichoke, Chayote, Asparagus, Coffee, Cotton, Hop, Joyba, Ornamental Turf Grass, Sesame, Sunflower (leaves and seed) and Tea.

#### FIELD GRAIN CROPS:

**FOR THE CONTROL OF INSECTS SUCH AS:** Aphids, Armyworms, Cinc Bugs, Boll Weevil, Bollworm, Budworm, Caterpillars, Corn Earworms, Fleabeetles, Fleashoppers, Flies, Hornworms, Loopers, Lygus Bugs, Mites, Mites, Pear Curculionid, Pink Boll Worms, Thrips and White Flies.

**CEREAL GRAINS:** Including but not limited to Barley, Buckwheat, Corn, Millet (proso & pearl), Oats, Popcorn, Rice, Rye, Sorghum (Milo), Teosinte, Triticale, Wheat and Wild Rice.

**GRASS FORAGE, FODDER AND HAY:** Including but not limited to Bermuda Grass, Blue Grass, Bromegrass, Fescue, and any type grass, Gramineae Family (green or cured), Barley, Buckwheat, Corn, Millet (proso & pearl), Oats, Popcorn, Rice, Rye, Sorghum (Milo), Teosinte, Triticale, Wheat, Wild Rice, that will be fed to or grazed by livestock, all pasture and range grasses and grasses green for hay or silage.

**Non-GRASS ANIMAL FEEDS:** Including but not limited to Alfalfa, Velvet Bean, Clover, Kudzu, Lespedeza, Lupine, Sainfoin, Trefol, Vetch, Crown Vetch and Milk Vetch.

#### FRUIT, NUT, VINE CROPS and ORIENTAL VEGETABLES:

**For the Control of such insects as:** Armyworms, Aphids, Blueberry Maggots, Cabbage Loopers, Caterpillars, Cherry Fruit Flies, Cutworms, Fireworms, Fruit Flies, Fuller Beetle, Gooseberry Fruit Worms, Imported Currant Worms, Japanese Beetles, Leafhoppers, Mites, Peach Borers, Pecan Weevil, Red-necked Borer, Raspberry Fruit Worms, Rose Chafer, Stink Bugs, Strawberry Leaf Rollers, Thrips, V/servia, and White Flies.

**CT. BUS FRUITS:** Including but not limited to Calamandin, Citrus Citron, Citrus Hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (Tangerine), Orange (sweet & sour), Pummelo, and Satsuma Mandarin.

**POME FRUITS:** Including but not limited to Apple, Crabapple, Loquat, Pear, Oriental Pear and Quince.

**STONE FRUITS:** Including but not limited to Apricot, Cherry (sweet & sour), Nectarine, Peaches, Plums, Prunes, Chickasaw Plum, Damson Plum, and Japanese Plum.

**SMALL FRUITS AND BERRIES:** Including but not limited to Blackberry, Blueberry, Boysenberry, Cranberry, Currants, Dewberry, Elderberry, Gooseberry, Grape, Hackberry, Loganberry, Otalis Berry, Raspberry (black and red), Strawberry and Youngberry.

**SUBTROPICAL FRUITS:** Including but not limited to Avocado, Banana, Cashew, Barbados Cherry, Cherimoya, Dates, Feijoa, Figs (Adriatic, Calliaryna, Kadota, Black Mission, California Brown Turkey, Brunswick), Guava, Kiwifruit, Lychee, Mango, Papaya, Passion Fruit, Persimmon, Pineapple, Pomegranate.

**TREE NUTS:** Including but not limited to Almond, Beech Nut, Brazil Nut, Butter Nut, Cashews, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Japanese Horsechestnut, Macadamia Nut (Bushnut), Pecan, Pistachio, Walnut (Black and English).

**ORIENTAL VEGETABLES:** Including but not limited to Japanese Artichoke, Chinese Broccoli (Gai Lan), Chinese Cabbage (Bok Choy Napa), Chinese Mustard Cabbage (Gai Choy), Cilantro, Dandelion, Ginger, Ginseng, Chinese Longbean, Mung Beans, Citron Melon, Balsam Pear (Bitter Melon), Japanese Radish (Daikon), Chinese Spinach, and Chinese Waxgourd.

SEE FRONT PANEL FOR ADDITIONAL INFORMATION AND DIRECTIONS

781