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Dr. Jess R. Martineau
AgriDyne Technologies, Inc.
417 Wakara Way
Salt Lake City, UT 84108

Dear Dr. Martineau:

Subject: Azatin-EC
EPA Registration No. 62552-1
Your Submission Dated February 28, 1992

The amendment referred to above for alternate formulation to add the solvent 10% Soy Oil and list "Other Neem Plant Compounds" with "Inerts", submitted in connection with registration under FIFRA sec. 3(c)(7)(A) is acceptable provided that you:

1. Submit/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.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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.

60661:1:WP50:Nelson:WP18-2:KEVPIC:05/15/92:06/14/92:DD

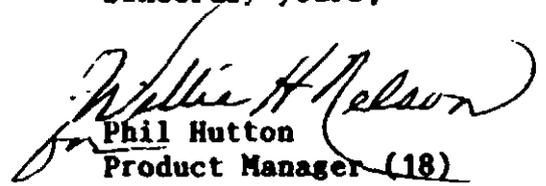
CONCURRENCES

SYMBOL	SURNAME	DATE						

2.88

Note: Soybean oil is exempted from the requirement of a tolerance used in accordance with good agricultural practice as inert ingredients in pesticide formulations as a solvent or cosolvent.

Sincerely yours,



Phil Hutton
Product Manager (18)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

ACCEPTED
with COMMENTS
In E.P.A. 30/8

3/17/92

Under
EPA
is
registered
62552-1

AZATIN-EC™ INSECTICIDE FOR INDOOR AND OUTDOOR USES

ACTIVE INGREDIENTS:

Azadirachtin* 3.0%

INERT INGREDIENTS 97.0%

100.0%

*Contains 0.265 pounds (120 grams) of azadirachtin per gallon.

WARNING

KEEP OUT OF REACH OF CHILDREN

AVISO-PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

STATEMENT OF PRACTICAL TREATMENT

- If in Eyes: Flush eyes with plenty of water for 15 minutes. Call a physician if irritation persists.
- If Inhaled: Move to fresh air. Clear lungs and airways. Get medical attention if irritation develops.
- If on Skin: Wash with plenty of soap and water. Get medical attention if irritation develops.
- If Swallowed: Do not induce vomiting. Contact a physician immediately.

PRECAUTIONARY STATEMENTS

Harmful if swallowed or inhaled. Avoid breathing vapors or spray mist. Wear a dust mask while spraying. Causes eye irritation. Do not get in eyes. Wash hands thoroughly after handling. Allow spray to dry before reentering treated areas.

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Do not apply this product while bees are actively visiting the treatment area.

IN CASE OF SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT

Call CHEMTREC at 800-424-9300

If you have questions or comments regarding the use of AZATIN-EC, please call 801-583-3500 during business hours.

Net Contents:
AgriDyne Technologies Incorporated
417 Wakara Way
Salt Lake City, UT 84108

Product Expiration Date: (1 year after Packaging)
E.P.A. Registration No. 62552-1
E.P.A. Est. No. 62552-UT-001
ATI 2/29/92

4/6/8

DIRECTIONS FOR USE

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

PESTS CONTROLLED BY AZATIN EC

Ants

- ~~Argentine Ant~~
- ~~Serpentine Ant~~
- Imported Fire Ant

Aphids

- Alfalfa Aphid
- Cabbage Aphid
- Cooley Spruce Gall Aphid
- Corn Root Aphid
- Eastern Spruce Gall Aphid
- Green Peach Aphid
- Hickory Leafstem Gall Aphid
- Pea Aphid
- Pine Bark Aphid
- Potato Aphid
- Rose Aphid
- Spruce Gall Aphid
- Strawberry Aphid
- White Root Aphid
- Woolly Apple Aphid
- Woolly Hemlock Aphid

Armyworms

- Fall Armyworm
- Lawn Armyworm
- Southern Armyworm
- Yellow Striped Armyworm

Bagworms

Beetles and Weevils

- Billbugs
- Black Vine Weevil
- Blister Beetle
- Bluegrass Weevil
- Colorado Potato Beetle
- Douglas Fir Beetle
- Elm Bark Beetle
- Elm Leaf Beetle
- Ips Bark Beetle
- Japanese Beetle (White Grub)
- Japanese Weevil
- June Beetle
- May Beetle
- Mexican Bean Beetle
- Mountain Pine Beetle
- Pales Weevil
- Pine Bark Beetle
- Pine Root Collar Weevil
- Southern Pine Beetle
- Spotted Cucumber Beetle
- Two-banded Japanese Weevil
- White-Fringed Beetle
- White Pine Weevil

Borers

- Azalea Stem Borer
- Bronze Birch Borer
- Dogwood Twig Borer
- Dogwood Borer

Iris Borer

- Lilac Borer
- Oak Borer
- Peachtree Borer
- Rhododendron Borer

Budworms

- Spruce Budworm
- Western Spruce Budworm

Bugs

- Boxelder Bug
- Chinch Bug
- Green Bug
- Lygus Bug
- Southern Brown Stink Bug
- Southern Green Stink Bug
- Tarnished Plant Bug

Cankerworms

- Fall Cankerworm
- Spring Cankerworm

Caterpillars

- Cabbage Butterfly
- Corn Ear Worm
- Dagger-moth
- Diamond Back Moth
- Imported Cabbage Worm
- Tent Caterpillars
- Tomato Fruit Worm

Centipedes

Chafers

- European Chafer
- Northern Masked Chafer
- Rose Chafer
- Southern Masked Chafer

Crickets

- Mole Cricket
- Mormon Cricket

Cutworms

Fungus Gnats

Greenhouse Leaf Tier

Grasshoppers and Locusts

- Clear Wing Grasshopper
- Desert Locust
- Differential Grasshopper
- Lesser Migratory Grasshopper
- Rangeland Grasshopper
- Two Striped Grasshopper

Leafhoppers

Leafminers

- Azalea Leafminer
- Boxwood Leafminer
- Elm Leafminer
- Holly Leafminer

Leafrollers

Loopers

Marsh Crane Flies

Mealybugs

Midges

- Chrysanthemum Gall Midge
- Rose Midge

Millipedes

Mites

- Clover Mite
- European Red Spidermite
- Hemlock Rust Mite
- Honeylocust Mite
- Pacific Mite
- Spruce Mite
- Two-Spotted Spidermite

Moths

- Codling Moth
- Cranberry Girdler Moth
- European Pine Shoot Moth
- Gypsy Moth
- Pine Tip Moth
- Tiger Moth
- Tobacco Hornworm Moth
- Tussock Moth

Psyllids

Sawflies

Scales

- Azalea Bark Scale
- Black Scale
- Brown Soft Scale
- California Red Scale
- Camellia Scale
- Cottony-cushion Scale
- Fern Scale
- Florida Red Scale
- Juniper Scale
- Pine Needle Scale
- Rose Scale
- San Jose Scale
- Sugar Pine Scale
- Tea Scale
- Wax Scale

Sowbugs (Pillbugs)

Thrips

- Citrus Thrips
- Flower Thrips
- Gladiolus Thrips
- Onion Thrips
- Western Flower Thrips

Webworms

- Fall Webworm
- Sod Webworm

Whiteflies

- Ash Whitefly
- Bayberry Whitefly
- Citrus Whitefly
- Cloudy-winged Whitefly
- Greenhouse Whitefly
- Sweetpotato Whitefly

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CROPS ON WHICH AZATIN EC CAN BE USED

AZATIN EC can be used indoors and outdoors. Plants may be potted, grown in the soil or soiless mixtures or grown hydroponically.

BEDDING PLANTS, FLOWERS, POTTED PLANTS AND FOLIAGE:

African Violet
 Ageratum
 Aglaonema
 Algerian Ivy
 Alcasia
 Anthurium
 Aphelandra
 Artemisia
 Aster
 Azalea
 Baby's Breath
 Begonia
 Caladium
 Calathea
 Carnation
 Chrysanthemum
 Coleus
 Columbine
 Daisy

Delphinium
 Dieffenbachia
 Easter Lily
 English Ivy
 Fern
 Ficus
 Foxglove
 Gaillardia
 Gardenia
 Geranium
 Gladioli
 Gloxinia
 Impatient
 Lily
 Marigold
 Pansy
 Peperomia
 Petunia
 Philodendron

Phlox
 Pinks
 Poinsettia
 Pothos
 Primrose
 Rosemary
 Rose
 Salvia
 Schefflera
 Sedum
 Sempervivum
 Snapdragon
 Spathiphyllum
 Syngonium
 Verbena
 Vinca
 Zinnia

ORNAMENTALS:

African Violet
 Ageratum
 Arborvitae
 Aster
 Aucuba Ilex
 Azalea
 Begonia
 Boxwood
 Cacti
 Calendula
 Calla
 Camellia
 Camellia
 Carnation
 Ceanothus
 Chrysanthemum
 Cineraria
 Coleus
 Cotoneaster
 Cyclamen

Daffodil
 Dahlia
 Delphinium
 Dogwood
 Ficus
 Foliage plants
 Fuchsia
 Gardenia
 Geranium
 Gloxinia
 Hyacinth
 Hydrangea
 Iris
 Ivy
 Lily
 Maidenhair fern
 Marigold
 Narcissus
 Orchid
 Pansy

Pelargonium
 Peony
 Phlox
 Photinia
 Pittosporum
 Poinsettia
 Pyracantha
 Rhododendron
 Rose
 Rubber plant
 Snapdragon
 Stock
 Tulip
 Wandering Jew
 White cedar
 White pine
 Yew
 Yucca
 Zinnia

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TREES AND SHRUBS:

Andromeda
 Arborvitae
 Ash
 Azalea
 Beech
 Birch
 Boxwood
 Butternut
 Catalpa
 Chamaecyparis
 Cherry
 Crabapple
 Dogwood
 Douglas fir
 Elm
 Euonymus fir

Firethorn
 Forsythia
 Hackberry
 Hawthorn
 Hemlock
 Hickory
 Holly
 Honey locust
 Horse chestnut
 Juniper
 Larch
 Laurel
 Lilac
 Linden
 London plane
 Magnolia

Maple
 Mimosa (silk tree)
 Mountain ash
 Myrtle
 Oak
 Pachysandra
 Peach
 Pine
 Planetree
 Poplar
 Privet
 Quince
 Spruce
 Sycamore
 Other ornamentals,
 trees and shrubs

GRASS

Bentgrass
 Bermuda Grass
 Bluegrass
 Annual Bluegrass
 Buffalo Grass

Centipede Grass
 Fescue
 Ryegrass
 Annual Ryegrass
 Perennial Ryegrass

St. Augustine
 Wheatgrass
 Zoysia Grass

IMPORTANT NOTE: AZATIN EC has been evaluated for phytotoxicity on a wide range of ornamental plants. However, since all combinations or sequences of pesticide sprays including fertilizers, surfactants and adjuvants have not been tested, it is recommended that a small area be sprayed first to make certain that no phytotoxicity occurs.

APPLICATION DIRECTIONS

Read all directions before using.

A POTTED OR FLOWERING PLANTS, BEDDING PLANTS, FOLIAGE PLANTS, TREES AND ORNAMENTALS.

- 1 SPRAY:** Dilute AZATIN EC in water at a rate of 8.0 fluid ounces per 100 gallons. Apply using suitable hand or power-operated spray equipment in a manner to provide complete and uniform coverage. For best results apply spray to thoroughly wet both upper and lower leaf surfaces to run-off. Avoid overspraying to the point of excessive runoff. Treat when pests first appear and are in their earlier instars. Repeat applications every 7 days or as needed. Spraying early mornings or late afternoon is recommended. Apply a maximum of 21 ounces per acre. If more than 200 gallons are required per acre, follow dilution rates on chart below:

Spray Gallonage

100 GPA
 200 GPA
 300 GPA
 400 GPA
 500 GPA

Rate (21 Ounces Maximum)

8.0 Ounces/100 Gallons
 8.0 Ounces/100 Gallons
 7.0 Ounces/100 Gallons
 5.25 Ounces/100 Gallons
 4.25 Ounces/100 Gallons

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- 2 DRENCH (Injection irrigation or hand applied): Dilute AZATIN EC in water at a rate of 8 - 21 fluid ounces per acre. Apply as a soil drench to moderately moist soils. Use volumes of drench that thoroughly wet the soil but that do not cause significant surface runoff or excessive drip from pots. Apply drench solution at rates up to, but not exceeding 21 ounces of AZATIN EC per acre. AZATIN EC is effective as a soil drench for controlling soil-borne insect larvae (e.g. fungus gnats). It is also effective as a soil drench for controlling foliar and soil insect pests, particularly when alternated with AZATIN EC foliar sprays. Treat when pests first appear and are in their earliest instars. Repeat applications every 7 days or as needed. AZATIN EC may be premixed in a supply tank with water, fertilizer, or other appropriate tank mixed agricultural chemicals. Agitation is necessary. Application should be in sufficient water and of sufficient duration to apply the recommended rate evenly to the entire treated area. Crop injury, or lack of effectiveness can result from nonuniform distribution of treated water.

DO NOT CONNECT AN IRRIGATION SYSTEM USING AZATIN EC APPLICATION TO A POTABLE WATER SYSTEM UNLESS THE IRRIGATION SYSTEM CONTAINS ALL THE NECESSARY AND PROPER DEVICES AND EQUIPMENT TO PREVENT WATER SOURCE CONTAMINATION FROM BACKFLOW. For information on devices and equipment that must be part of the irrigation system, refer to AZATIN EC technical guide or consult local codes. Failure to use the necessary and proper equipment can result in contamination of potable water systems.

B TURF GRASS

- 1 AZATIN EC should always be applied as a spray in sufficient water to assure thorough coverage of the foliage or soil, depending on the type of application.
- 2 **SPRAY EQUIPMENT:** Use conventional spray equipment that allows for uniform coverage of the targeted treatment area, such as hand or power-operated spray equipment, or hose-end applicators.
- 3 **APPLICATION:** Surface feeders: For control of armyworm, fall armyworm, yellow striped armyworm, southern armyworm, lawn armyworm, sod webworm (*Crambus* spp.), cutworm, chinch bug, leafhopper, and aphids in turfgrass: Apply AZATIN EC at a rate of 0.5 fluid ounces per 1,000 square feet. Use 1-15 gallons of water per 1,000 square feet to obtain good coverage. Irrigate well before applying. Do not water or cut grass until at least 24 hours after application. Late afternoon application is preferable. For chinch bugs, repeat application every week or as needed.
 Subsurface feeders: For control of white grubs, and billbugs in turfgrass: Apply AZATIN EC at 0.5 fluid ounces per 1,000 square feet. Sprinkle irrigate with 1 to 2 inches of water after application.

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LIMITATION OF WARRANTY AND CONDITIONS OF SALE

Read this Limited Warranty and Liability before buying or using this product. The Directions for Use of this product reflect the opinion of experts based on field use and tests. The Directions for Use are believed to be reliable and it is critical that this product be used only as specified on the label. However, it is impossible to eliminate all risks inherently associated with this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Native Plants Incorporated or the seller. All such risks are expressly assumed by the buyer.

Native Plants Incorporated warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the Directions for Use, subject to the inherent risks referred to above. Native Plants Incorporated and the seller disclaim all liability for losses, personal injury or damages: (i) arising from any use of this product in a manner or for a purpose not recommended in its label or from mixing this product with any substances except as recommended by the product's label, (ii) arising from handling or storage in violation of label instructions, (iii) for all indirect, special, or consequential damages, (iv) when not reported to Native Plants Incorporated within one year of discovery, and (v) arising from product not used within the label designated shelf-life. Native Plants Incorporated and/or the seller makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty of whatsoever nature or kind. Except to the extent prohibited by applicable law, the exclusive remedy of the user or buyer and the limit of liability of Native Plants Incorporated and/or the seller for any and all losses, personal injuries or damages resulting from the use of this product, shall be the purchase price paid by the user or buyer for the quantity of product involved.