

Reg # 62552-1 PM-18
US ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES PROGRAMS
REGISTRATION DIVISION (TS-767)
WASHINGTON, DC 20460

EPA REGISTRATION NO.

62552-1

DATE OF ISSUANCE

1/17/92

TERM OF ISSUANCE

Conditional Registration

NAME OF PESTICIDE PRODUCT

AZATIN EC

NOTICE OF PESTICIDE: ☒ REGISTRATION
☐ REREGISTRATION

(Under the Federal Insecticide, Fungicide,
and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

AGRIDYNE
Technologies, Inc.
417 Wakara Way
Salt Lake City, Utah 84108

175/411416
18/1

NOTE: Changes in labeling formula 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 U.S. 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.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

PPZ
This product is conditionally registered in accordance with FIFRA sec. 2(c)(7)(D), since you have agreed to the conditions set forth in the Agency's Insecticide letter to your company dated December 11, 1991, and your letter of response dated December 24, 1991.

The complete requested data for supplying of the required data/information to the Agency is acceptable as requested per your response letter of December 24, 1991.

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 2(c)(5) when the Agency requires all registrants of similar products to submit such data.

BEST AVAILABLE COPY

☐ ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Walter J. Halson / Phil Halson

DATE

1/17/92

2. Make all of the labeling changes listed below before you release the product for shipment:

- a. Add the phrase "FPA Registration No. 62552-1"
- b. Precautionary Labeling--"WARNING: KEEP OUT OF REACH OF CHILDREN"
- c. ENVIRONMENTAL HAZARD STATEMENT: This pesticide is toxic to fish. Keep out of lakes, ponds and streams. Do not contaminate water by cleaning equipment or disposing of waste.
- d. Delete from your labeling the pests: Carpenter Ant and Imported Fire Ant until such time efficacy data is provided and found acceptable.

3. NOTE: You must agree to do the (currently required) Daphnia magna Life Cycle (21-Day Renewal) Chronic Toxicity Test; however, this requirement is currently under negotiation and could be waived pending re-evaluation of this requirement for your particular product by Ecological Effects Branch.

4. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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.

BEST AVAILABLE COPY

AZATINTM-EC
INSECTICIDE

3 9 9
ACCEPTED
with COMMENTS
in EPA Letter Dated:

JAN 17 1992

FOR AGRONOMIC AND HORTICULTURAL CROPS

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 62552-1

ACTIVE INGREDIENTS:

Azadirachtin *3.0%
INERT INGREDIENTS.....97.0%
100.0%

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

Keep out of reach of children

WARNING

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. Keep out of lakes, ponds or streams. Do not contaminate water by cleaning equipment or disposing of waste.

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 this product, please call 801-582-3500.

Net Contents:

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

Product Expiration Date:
E.P.A. Registration No. 62552-
E.P.A. Est. No. 62552-UT-001
ADT 01-12-1

BEST AVAILABLE COPY

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

~~Carpenter Ant~~ with

~~Imported Fire Ant~~

Aphids

Alfalfa Aphid

Apple Aphid

Bean Aphid

Cabbage Aphid

Corn Root Aphid

Cotton Aphid

Cow pea Aphid

Grapevine Aphid

Green Peach Aphid

Melon Aphid

Pea Aphid

Potato Aphid

Red Aphid

Rose Aphid

Russian Wheat Aphid

Strawberry Aphid

Tobacco Aphid

White Root Aphid

Woolly Apple Aphid

Yellow Pecan Aphid

Armyworms

Beet Armyworm

Fall Armyworm

Lawn Armyworm

Southern Armyworm

Yellow Striped Armyworm

Bagworms

Beetles, Grubs and Weevils

Alfalfa Weevil

Banded Cucumber Weevil

Bean Leaf Weevil

Bean Weevil

Black Vine Weevil

Blister Beetle

Cigarette Beetle

Colorado Potato Beetle

Cowpea Weevil

Dusky Sap Beetle

Flea Beetles

Grape Phylloxera

Green June Beetle

Japanese Beetle

Japanese Weevil

Mexican Bean Beetle

Mexican Bean Weevil

Pecan Weevil

Plum Curculio

Rose Chafer

Spotted Cucum. Beetle

Sweet Potato Beetle

White-Fringed Beetle

White Pine Weevil

Borers

European Corn Borer

Southwest. Corn Borer

Peachtwig Borer

Bugs

Alfalfa Plant Bug

Chinch Bug

Green Bug

Lygus Bug

Southern Brown Stink Bug

Southern Green Stink Bug

Tarnished Plant Bug

Cankerworms

Fall Cankerworm

Spring Cankerworm

Caterpillars and Loopers

Alfalfa Caterpillar

Blackheaded Budworm

Cabbage Looper

Corn Ear Worm

Cranberry Fruitworm

Dagger-moth

Diamondback Moth

Green Clover Worm

Hornworm

Imported Cabbage Worm

Navel Orange Worm

Orange Tortrix

Range Caterpillar

Red Humped Caterpillar

Soybean looper

Salt Marsh Caterpillar

Tent Caterpillars

Tobacco Budworms

Tomato Fruitworm

Tomato Pinworm

Velvetbean Caterpillar

W. Grape Leaf Skeletonizer

Crickets

Mole Cricket

Mormon Cricket

Cutworms

Black Cutworm

Citrus Cutworm

Climbing Cutworm

Western Bean Cutworm

Variegated Cutworm

Flies

Caribbean Fruit Fly

Fungus Gnat

Hessian Fly

Mushroom Fly

Oriental Fruit Fly

Mediterranean Fruit Fly

Melon Fly

Shore Fly

Walnut Husk Fly

Grasshoppers and Locusts

Leafhoppers

Potato Leafhopper

Varigated Leafhopper

Leafminers

Leafrollers

Leafperforators

Mealybugs

Mites

Banks Mite

Clover Mite

Citrus Rust Mite

Citrus Red Mite

European Red Mite

Honeylocust Mite

Pacific Mite

Spruce Mite

Two-Spotted Mite

Moths

Amorbia
Almond Moth
Artichoke Plume Moth
Codling Moth
Cranberry Girdler Moth
European Pine Shoot Moth
Grape Berry Moth
Gypsy Moth
Head Moth
Oriental Fruit Moth
Sunflower Bud Moth
Sunflower Moth
Tiger Moth
Tufted Apple Bud Moth
Tussock Moth

Psyllids

Sawflies

Scales

Black Scale
Brown Soft Scale
California Red Scale
Camellia Scale
Cottony-cushion Scale
Green Scale
Green Scale
Florida Red Scale
Green Scale
Purple Scale
Black Scale
Cottony-cushion Scale
Camellia Scale
Florida Red Scale
Brown Soft Scale
San Jose Scale

Sowbugs (Pillbugs)

Thrips

Pear Thrips
Tobacco Thrips
Western Flower Thrips
Citrus Thrips
Flower Thrips
Gladiolus Thrips
Onion Thrips

Whiteflies

Ash Whitefly
Banded-wing Whitefly
Bayberry Whitefly
Citrus Whitefly
Cloudy-winged Whitefly
Greenhouse Whitefly
Sweetpotato Whitefly
Variegated Whitefly
Woolly Whitefly

CROPS ON WHICH AZATIN™-EC CAN BE USED

AZATIN™-EC can be used on the following terrestrial food crops, both outdoors and in greenhouses.

BULB VEGETABLES

garlic
leek
onion
shallot

CEREAL GRAINS

barley
buckwheat
corn, field
corn, sweet
corn, pop
millet
oats
rice
rye
sorghum
triticale
wheat

CITRUS FRUITS

calamandin
citrus citron
grapefruit
kumquat
lemon
limes
mandarin (tangerine)
orange, sour
orange, sweet

pummelo
satsuma mandarin

CURCUBIT VEGETABLES

Balsam pear (bitter melon)
Chinese waxgourd
citron melon
cucumber
gherkin
gourds
cantaloupe
casaba
crenshaw
honeydew
honeyballs
mango melon
pumpkin
squash
watermelon

FIBER CROPS

cotton
flax
kenaf

FORAGE AND FODDER CROPS

alfalfa
annual ryegrass
bermuda grass

bluegrass
clover
fescue
hay (mixed)
kudzu
lespedeza
lupine
orchard grass
pasture (mixed)
perennial ryegrass
redtop
sainfoin
timothy
trefoil
vetches
wheatgrasses

FRUITING VEGETABLES

eggplant
ground cherry
pepinos
peppers
tomatillo
tomato

HERBS AND SPICES

anise
balm
basil
borage

burnnet
camomile
caraway
catnip
chives
celery
coriander
costmary
cumin
curry leaf
dandelion
dill
fennel
fenugreek
horehound
hyssop
mint
marigold
marjoram
nasturtium
pennyroyal
rosemary
rue
sage
savory
sweet bay
tansy
tarragon
thyme
wintergreen
woodruff
wormwood

BRASSICA (Cole) VEG.

broccoli
Brussels sprouts
Bok Choy
cauliflower
Chinese spinach
celery
chervil
collards
corn salad
chrysanthemum (edible)
cress
endive
fennel
kale
kohlrabi
lettuce
mustard greens
orach
parsley
rhubarb
spinach
Swiss chard
turnip tops

LEGUMINOUS VEG.

beans (Phaseolus, Lupinus,
Vicia, Vigna spp)
chick peas (garbanzos)
lentil
peas (Pisum spp)
soybeans

NUTS

almond
beach nut
Brazil nut
butternut
cashew
chestnut
chinquapin
filberts (hazelnuts)
hickory nuts
macadamia
pecan
pistachio
walnuts

OILSEED CROPS

canola
crambe
guar
peanuts
rape
safflower
sesame
soybean
sunflower

POME FRUITS

apple
crabapple
loquat
mayhaws
pear
quince
jujube

ROOT AND TUBER VEG.

artichokes
beet, red
beet, sugar
carrot
cassava
celeriac
chervil
dasheen (taro)
ginger
horseradish
jicama
parsnips
potato
radish
radish, Japanese (Daikon)
rutabaga
salsify

sweet potato
tumeric
turnip
yam
yam bean

STONE FRUITS

apricot
cherry, sour
cherry, sweet
nectarine
peach
plum
prune

SMALL FRUITS AND BERRIES

blackberry
blueberry
boysenberry
cranberry
current
dewberry
elderberry
gooseberry
grape
huckleberry
loganberry
olives
ollalie berry
raspberry
strawberry
youngberry

TROPICAL FRUITS

breadfruit
cherimoya
durian
guava
longan
malanga
mangosteen
plantain
starfruit

MISC.

asparagus
avocados
bananas
birdseed
figs
hops
guayule
kiwi

mangos

mushrooms

MISC. (cont.)

okra
papaya
pawpaw
peanut

MISC. (cont.)
persimmons
pineapple

sugar cane
tobacco
waterchestnut

watercress

7 8 1

RANGELAND NON-CROP AREAS INCLUDING BARRIER STRIPS, WASTELANDS, AND AROUND BUILDINGS.

Important Note: AZATIN™-EC has been evaluated for phytotoxicity on a wide range of crops. 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.

AZATIN™-EC is an emulsifiable concentrate containing .265 lbs azadirachtin per gallon. Mix in water or liquid fertilizer at a rate of 8 to 21 fl. oz. per acre, depending on size of plants and density of foliage, to control listed pests. Apply using suitable calibrated ground sprayer, or aerially by fixed wing aircraft or helicopter application equipment in a manner to provide complete and uniform coverage. Treat when pests first appear and are in their earlier instars. Repeat application if necessary. A sticker spreader should be used at the rate recommended on the sticker spreader label.

Low Volume Applications:

Apply at a rate not to exceed 21 fluid ounces of formulation (20 g a.i.) per acre.

Chemigation:

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the pump motor stops. The irrigation line or water pump must include a functional pressure valve which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speeds favor drift. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of more dilute suspension per unit time. Unacceptable insect control may result from insufficient overlap of sprinkler distribution patterns. Crop injury may result from excessive overlapping of sprinkler distribution patterns.

DO NOT CONNECT AN IRRIGATION SYSTEM USING PESTICIDES 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. FAILURE TO USE THE NECESSARY AND PROPER EQUIPMENT CAN RESULT IN CONTAMINATION OF POTABLE WATER SYSTEMS.

MIXING DIRECTIONS

AZATIN™-EC WITH WATER:

1. Use clean equipment.
2. Fill tank 1/2 full to 3/4 full with water.
3. Add pesticide to the tank.
4. Fill the tank completely with water and mix thoroughly before applying.
5. Pesticide mix should be applied immediately after mixing.
6. If the mixture is not applied immediately, agitate before application.
7. Thoroughly clean equipment following application.

TANK MIXTURES OR FLUID FERTILIZERS WITH AZATIN™-EC:

1. Before using AZATIN™-EC in a tank mix with fertilizer or registered pesticide, determine compatibility by conducting a compatibility test with a small amount of each product.
2. Observe all cautions and limitations on labels of all products used in combination.
3. Follow all tank mix directions and observe limitations listed in the combination product(s) label.

COMPATIBILITY TEST:

A compatibility test should be performed before tank mixing AZATIN™-EC with other product(s) or liquid fertilizer(s). Fill three separate 1-quart mason jars with 1 pint of water or fertilizer. To a first jar add AZATIN™-EC and mix well. To a second jar add the desired other tank mix product(s) and mix well. If more than one product is used, add them separately with dry formulations first, flowables next, and emulsifiable concentrate last. After each addition, shake or stir gently to thoroughly mix. For the appropriate amount of product for this test, use the following:

DRY PRODUCTS: For each pound to be applied per acre, add 1.5 level teaspoons to each jar.

LIQUID PRODUCTS: For each pint to be applied per acre, add 0.5 teaspoon or 2.5 ml into each jar.

Note any differences between the mixtures in the jars (compounds alone vs. mixtures) after 15 minutes. Look for evidence of physical incompatibility such as clumping, precipitation, oily residues on the sides of the glass or other signs of incompatibility. If either mixture separates, but can be readily remixed, the mixture can be sprayed as long as good agitation is used. If the mixture is incompatible, do not use the mixture. For additional information or assistance call AgriDyne Technologies Technical Product Services at (801) 583-3500.

STORAGE AND DISPOSAL

GENERAL: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse container.

STORAGE: Do not store above 100 degrees F or below -20 degrees F for extended periods of time. Keep containers tightly closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in an incinerator or landfill or by other procedures approved by State and local authorities.

LIMITATION OF WARRANTY AND CONDITIONS OF SALE

Read this Limited Warranty and Liability before buying or using this product.

AgriDyne Technologies, Inc. warrants that this product conforms to the chemical description on the label and if used in accordance with directions for use, is fit for the purpose referred to. It is impossible, however, 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 weather conditions, presence of other materials or the manner of use or application, all of which are beyond the control of AgriDyne Technologies Inc. All such risks are expressly assumed by the buyer.

AgriDyne Technologies, Inc. makes no other warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above. Under no circumstances shall the manufacturer be held liable for consequential or indirect damages resulting from the use of handling of this product. Damages caused by this product shall be limited to the purchase price.

Lot No.