

72155-92

06-18-2009

1/11

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



OFFICE OF
PREVENTION, PESTICIDES,
AND TOXIC SUBSTANCES

June 18, 2009

Mr. Charles Boyd
Bayer Advanced
2 T.W. Alexander Drive
Research Triangle Park, NC 27709

Dear Mr. Boyd:

Subject: Amended label (originally submitted via notification)
Imidacloprid 0.235% FT & V Concentrate
EPA Registration No. 72155-92
Submission dated June 4, 2009; Resubmission dated June 17, 2009

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. Please submit two (2) copies of your final printed labeling before releasing the product for shipment. If you have any questions regarding this label, please contact Julie Chao at (703) 308-8735 or chao.julie@epa.gov.

Sincerely,

for Venus Eagle
Insecticide-Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

(Front Panel)

Imidacloprid 0.235% FT&V Concentrate

(ABN) Bayer Advanced Fruit, Citrus & Vegetable Insect Control Concentrate

- Prevents damage from listed pests
- Insects stop eating when they feed on the plant
- Protects plants and trees from damaging insects with one easy treatment
- Protects new growth
- Systemic insecticide is absorbed through the roots, carried up into the plant and won't wash off
- Kills insects & prevents new infestations
- Rainproof.
- Easy to use - Mix in water and pour around tree or plant
- 100% Satisfaction Guaranteed* (or your money back)
- (Apply once for) Season long control (Protection)
- Dual Action – Kills and Prevents
- Controls insects & prevents new infestations
- Stops insect feeding
- For use on listed fruit trees and vegetables
- Kills (Controls) (Prevents) insects that damage fruit trees and vegetables
- No Spraying! Mix and pour at plant base
- No messy spraying
- Contains Merit
- For use on edible crops
- Specially formulated for fruits and vegetables

ACCEPTED
 JUN 18 2009
 Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended, for the
 pesticide registered under:

EPA. Reg. No: 72155-92

ACTIVE INGREDIENT:

Imidacloprid	0.235 %
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OTHER INGREDIENTS:

.....	99.765 %
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TOTAL:

.....	100.000%
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Net Contents: 32 fl. oz. (946 mL) or 64 fl. oz. (1.89 L) or 1 Gal (3.78 L) or 16 fl. oz. (473 mL)

**STOP - Read This Entire Label Before Use
KEEP OUT OF REACH OF CHILDREN**

CAUTION

See Back Panel [Booklet] for Additional Precautionary Statements

Not for sale, sale into, distribution and or use in Nassau, Suffolk, Kings, and Queens counties of New York.

Text in [] is optional.

(BACK PANEL)

This product provides systemic insect protection with a single application, on listed fruit, nut trees, citrus, and vegetables. Keeping your plants protected from listed damaging insects has never been easier.



QUICK FACTS	
<ul style="list-style-type: none"> • Easy to Use (No spraying) . . . Mix in Water and Pour Around Plant base • Rainproof • [Convenient (Easy Measuring Cup) Measure-Up™ Cup] 	
KILLS	Aphids, beetles, leafhoppers, scale, thrips, whiteflies, and other listed pests
COVERAGE	Treat 640 square feet of vegetables (32 oz. size) Treat up to 9 fruit trees with a canopy width of 10 feet (32 oz. size)
WHERE TO USE	<ul style="list-style-type: none"> • Fruit & Nut trees including citrus, apple, peach, cherry, plum and other listed. • Vegetables including tomato, pepper, carrot, melon, cucumber, herbs, and other listed. • Strawberry, blueberry, raspberry, grape and other listed.
WHEN TO USE	Apply once a year at labeled application timing. See below for plant specific directions.
WHEN TO HARVEST	See plant specific restrictions for pre-harvest interval. If no pre-harvest interval is listed, then product may be applied up to and including day of harvest.
HOW MUCH TO USE	Vegetables, strawberry, bushberry, caneberry, and grape - 0.5 oz. per 10 square feet Fruit & Nut trees: See Tree rate chart
For questions or comments, call toll-free 1-877 BayerAG	

FOR OUTDOOR RESIDENTIAL USE ONLY

Not for use on crops being grown for sale or other commercial use

ACTIVE INGREDIENT:

Imidacloprid 0.235%

OTHER INGREDIENTS: 99.765 %

TOTAL 100.000%

EPA Reg. No. 72155-92

EPA Est. No. XXXX-AA-XX

DIRECTIONS FOR USE	
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read and follow all label directions.	
BEFORE YOU USE Read and follow directions when using.	<ul style="list-style-type: none"> • Do not apply near lakes, streams, rivers, or ponds. • Do not apply to soils which are water-logged or saturated. • Bucket or measuring utensils must not be used for any food or drinking water purposes after use with this product. • During prolonged dry periods, saturate the soil around the plants well with water the night before making an application.
HOW THIS PRODUCT WORKS (SHOW IMAGE OF HOW THE PRODUCT WORKS SYSTEMICALLY)	The insecticide dissolved in water moves down through the soil, where it is absorbed by the roots. Once absorbed, it moves up through the plant providing insect protection. This product even moves into new growth after application, thus protecting it, too! For insect control, the insecticide must distribute completely through the plant. Depending on the size and health of the plant, this may take one week to three months (for very large trees). Rain or water cannot wash off this internal protection.
FRUIT AND NUT TREES (See tables for Trees and Pests Controlled)	
APPLICATION TIMING	Use at first signs of insect infestation, preferably before damage from feeding occurs.
HOW TO USE	<ol style="list-style-type: none"> 1. <u>Measure</u> the distance from the tree trunk to the drip line, and round down to the nearest foot. Note: The drip line is the outer edge of the leaves. If you visualize an umbrella in the rain; the area where the rain falls to the ground would be the dripline. 2. <u>Consult</u> the tree rate chart to determine the number of ounces of product to use for your specific tree type and radius measurement. 3. <u>Add</u> the specified amount of product to 1 gallon of water. 4. <u>Pour the mixture at the base of the tree.</u> 5. Fill the bucket with an additional gallon of water and pour at the base of the tree.

11/4

TREE RATE CHART		
Radius Feet Distance in feet from trunk to dripline	Stone Fruit and Pome Fruit including cherry, peach, apple, and pear Ounces of product to use	Banana and Plantain, Citrus, Pomegranate, Tree Nut, and Tropical Fruit including lemon, lime, orange, mango, and avocado Ounces of product to use
3	1.0	1.5
4	2.5	3.0
5	3.5	5.0
6	5.5	7.5
7	7.5	10.0
8	10.0	13.5
9	12.5	17.0
10	15.5	21.0
11	19.0	25.0
12	22.5	30.0
13	26.5	35.5
14	30.5	41.0
15	35.5	47.0
16	40.0	53.5
17	45.5	60.5
18	51	68.0
19	56.5	75.5
20	63	84.0
21	69.5	92.5
22	76.0	101.5
23	83.0	111.0
24	90.5	120.5
25	98.5	
26	106.5	
27	114.5	
28	123.5	

BANANA and PLANTAIN

PESTS CONTROLLED
Aphids Leafhoppers
Restrictions
Do not make more than one application per year.

CITRUS

Crops of Crop Group 10 Including: Calamondin, Citrus citron, Citrus hybrids (includes chironja, tangelo, and tangor), Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Pummelo, Orange (sweet and sour), Satsuma mandarin

PESTS CONTROLLED	
Aphids Asian citrus psyllid Blackfly Citrus leafminer	Leafhoppers/Sharpshooters Mealybugs Scales Whiteflies
Restrictions Do not make more than one application per year.	

POME FRUIT

Crops Of Crop Group 11 Including: Apple, Crabapple, Loquat, Mayhaw, Pear (including Oriental pear), Quince

PESTS CONTROLLED
Aphids (including woolly apple aphid) Leafhoppers
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 21 days after application. Do not make more than one application per year. Do not apply until after trees have flowered or when bees are actively foraging.

POMEGRANATE

PESTS CONTROLLED
Aphids Leafhoppers/Sharpshooters Whiteflies
Restrictions Do not make more than one application per year. Do not apply until after trees have flowered or when bees are actively foraging.

STONE FRUIT

Crops Of Crop Group 12 Including: Apricot, Cherry (including sweet and tart), Nectarine, Peach, Plum (including Chickasaw, Damson and Japanese), Plumcot, Prune

PESTS CONTROLLED
Aphids (including woolly apple aphid) Leafhoppers
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 21 days after application. Do not make more than one application per year. Do not apply until after trees have flowered or when bees are actively foraging.

TREE NUTS

Crops of Crop Group 14 including: Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hickory nut, Macadamia nut, Pecan, Pistachio, Walnut [black and English]

PESTS CONTROLLED	
Aphids Leafhoppers/Sharpshooters Mealybugs	Spittlebugs Whiteflies
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 7 days after application. Do not make more than one application per year. Do not apply until after trees have flowered or when bees are actively foraging.	

TROPICAL FRUIT

Including: Acerola, Atemoya, Avocado, Birida, Black sapote, Canistel, Cherimoya, Custard apple, Feijoa, Jaboticaba, Guava, Llama, Longan, Lychee, Mamey sapote, Mango, Papaya, Passionfruit, Persimmon, Pulasan, Rambutan, Sapodilla, Soursop, Spanish lime, Star apple, Starfruit, Sugar apple, Wax jambu

PESTS CONTROLLED	
Aphids Avocado lacebug	Leafhoppers Whiteflies
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 6 days after application. Do not make more than one application per year. Do not apply until after trees have flowered or when bees are actively foraging.	

VEGETABLES (See tables for vegetables and pests controlled)	
APPLICATION TIMING	To prevent insect infestation apply at transplant or shortly after plants emerge from seed.
HOW TO USE	1. Measure the area of the vegetable row to be treated. Note: a row that is 1 ft. X 10 ft. is 10 square feet. 2. Add 0.5 ounce of product per 10 square feet of vegetable row to be treated to 1 quart of water. 3. Spread the mixture evenly over the vegetable row to be treated.

CUCURBIT VEGETABLES

Crops of Crop Group 9 including: Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cuban pumpkin, Cucumber, Gherkin, Gourd (edible, includes hyotan, cucuzza, hechima, Chinese okra), *Momordica* spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber), Muskmelon (hybrids and/or cultivars of *Cucumis melo* including true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon and Winter melon), Pumpkin, Squash (includes summer squash types such as: butternut squash, calabaza, crookneck squash, Hubbard squash, scallop squash, straightneck squash, vegetable marrow and zucchini, and winter squash types such as acorn squash and spaghetti squash), Watermelon (includes hybrids and/or varieties of *Citrullus lanatus*)

PESTS CONTROLLED	
Aphids Cucumber beetles Leafhoppers	Thrips (foliage feeding thrips only) Whiteflies
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 21 days after application. Do not make more than one application per year.	

FRUITING VEGETABLES

Crops of Crop Group 8 plus Okra including: Eggplant, Ground cherry, Okra, Pepper (including bell, chili, cooking, pimento and sweet) Tomato, Pepinós, Tomatillo

PESTS CONTROLLED	
Aphids Colorado potato beetle Flea beetles	Leafhoppers Thrips (foliage feeding thrips, only) Whiteflies
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 21 days after application. Do not make more than one application per year.	

HERBS

Crops of Crop Subgroup 19A including: Angelica, Balm (lemon balm), Basil (fresh and dried), Borage, Bumet, Camomile, Catnip, Chervil (dried), Chinese chive, Chive, Clary, Coriander (cilantro or Chinese parsley leaves), Costmary, Culantro (leaf), Curry (leaf), Dillweed, Horehound, Hyssop, Lavender, Lemongrass, Lovage (leaf), Marigold, Marjoram, Nasturtium, Parsley (dried), Pennyroyal, Rosemary, Rue, Sage, Savory (summer and winter), Sweet bay (bay leaf), Tansy, Tarragon, Thyme, Wintergreen, Woodruff, Wormwood.

PESTS CONTROLLED	
Aphids Flea beetles Leafhoppers Whiteflies	
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 14 days after application. Do not make more than one application per year.	

BRASSICA (COLE) LEAFY VEGETABLES

Crops of Crop Group 5 including: Broccoli, Broccoli raab (*rapini*), Brussels sprouts, Cabbage, Cauliflower, Cavalo broccoli, Chinese (*gai lon*) broccoli, Chinese (*bok choy*) cabbage, Chinese (*napa*) cabbage, Chinese mustard (*gai choy*) cabbage, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens

PESTS CONTROLLED	
Aphids Leafhoppers Thrips (foliage feeding thrips only) Whiteflies	
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 21 days after application. Do not make more than one application per year.	

LEAFY VEGETABLES

Crops Of Crop Subgroup 4A plus Watercress including: Amaranth (leafy amaranth, Chinese spinach, tampala), Arugula (Roquette), Chervil, Chrysanthemum (edible leaved and garland), Corn salad, Cress (garden), Cress (upland, yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Spinach (including New Zealand and vine (Malabar spinach, Indian spinach)), Watercress (upland)

PESTS CONTROLLED	
Aphids Leafhoppers Thrips (foliage feeding thrips only) Whiteflies	
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 21 days after application. Do not make more than one application per year.	

LEAFY PETIOLE VEGETABLES

Crops of Crop Subgroup 4B including: Cardoon, Celery, Celtuce, Chinese celery (fresh leaves and stalk only), Florence fennel (including sweet anise, sweet fennel, Finocchio), Rhubarb, Swiss chard

PESTS CONTROLLED	
Aphids Leafhoppers Thrips (foliage feeding thrips only) Whiteflies	
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 45 days after application. Do not make more than one application per year.	

LEGUME VEGETABLES except soybean, dry

Crops of Crop Group 6 including: Edible Podded and Succulent Shelled Pea and Bean and Dried Shelled Pea and Bean

Bean (*Lupinus* spp., includes grain lupin, sweet lupin, white lupin, and white sweet lupin)

Bean (*Phaseolus* spp., includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean)

Bean (*Vigna* spp., includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, Southern pea, urd bean, yardlong bean)

Pea (*Pisum* spp., includes dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea)

Other Beans and Peas [Broad bean (fava), Chickpea (garbanzo bean), Guar, Jackbean, Lablab bean (hyacinth bean), Lentil, Pigeon pea, Soybean (immature seed), Sword bean]

PESTS CONTROLLED	
Aphids Leafhoppers Thrips (foliage feeding thrips only) Whiteflies	
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 21 days after application. Do not make more than one application per year.	

ROOT VEGETABLES

Crops of Crop Subgroup 1B except Sugarbeet including: Beet (garden), Burdock (edible), Carrot, Celeriac, Chervil (turnip-rooted), Chicory, Ginseng, Horseradish, Parsley (turnip-rooted), Parsnip, Radish, Oriental radish (diakon), Rutabaga, Salsify (oyster plant), Salsify (black), Salsify (Spanish), Skirret, and Turnip

PESTS CONTROLLED	
Aphids Flea beetles Leafhoppers Thrips (foliage feeding thrips only) Whiteflies	
Restrictions Pre-harvest Interval: Do not harvest fruit until at least 21 days after application. Do not make more than one application per year.	

STRAWBERRY, BUSHBERRY, CANEBERRY & GRAPES	
APPLICATION TIMING	Use at first signs of insect infestation, preferably before damage from feeding occurs.
HOW TO USE	<ol style="list-style-type: none"> 1. Measure the area of the row to be treated. Note: a row that is 1 ft. X 10 ft. is 10 square feet. 2. Add 0.5 ounce of product per 10 square feet of row to be treated to 1 quart of water. 3. Spread the mixture evenly over the row to be treated.

STRAWBERRY

PESTS CONTROLLED	
Aphids	
Whiteflies	
Restrictions	
Pre-harvest Interval: Do not harvest fruit until at least 14 days after application.	
Do not make more than one application per year.	

BUSHBERRY

Crops of Crop Subgroup 13B Including: Blueberry, Currant, Elderberry, Gooseberry, Huckleberry, Juneberry, Ligonberry, Salal

PESTS CONTROLLED	
Japanese beetle (adults, feeding on foliage)	
White grub complex (grubs of Asiatic garden beetle, European and Masked chafer, Japanese beetle and Oriental beetle)	
Restrictions	
Pre-harvest Interval: Do not harvest fruit until at least 7 days after application.	
Do not apply pre-bloom or during bloom or when bees are actively foraging.	

CANEBERRY


Crops of Crop Subgroup 13A including: Blackberry (*Rubus eubatus*, including bingleberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Himalayaberry, hullberry, Lavacaberry, Loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these) **Raspberry** (black and red, *Rubus occidentalis*, *Rubus strigosus*, *Rubus idaeus*)


PESTS CONTROLLED	
Aphids	
Leafhoppers	
Whiteflies	
Rednecked cane borer	
Restrictions	
Pre-harvest Interval: Do not harvest fruit until at least 7 days after application.	
Do not apply pre-bloom or during bloom or when bees are actively foraging.	

GRAPE


Including: American bunch grape, Muscadine grape and Vinifera grape

PESTS CONTROLLED	
European fruit lecanium	
Leafhoppers/Sharpshooters	
Mealybugs	
Restrictions	
Pre-Harvest Interval: Do not harvest fruit until at least 30 days after application.	
Do not make more than one application per year.	
For optimum results, make application between bud-break and the pea-berry stage.	

	Children and pets may re-enter the treated area after it has dried.
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Important – Directions for Storage and Disposal	
Do not contaminate water, food, or feed by storage or disposal.	
Storage Conditions	Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet.
Disposal 	<p>If empty:</p> <ul style="list-style-type: none"> • Non-refillable container, do not reuse or refill this container. • Place empty container in trash or offer for recycling if available. <p>If partly filled:</p> <ul style="list-style-type: none"> • Call your local solid waste agency or toll free 1-877-229-3724 for disposal instructions. • Never place unused product down any indoor or outdoor drain.

PRECAUTIONARY STATEMENTS	
HAZARDS TO HUMANS AND DOMESTIC ANIMALS	
CAUTION	
<ul style="list-style-type: none"> • Causes moderate eye irritation. • Avoid contact with skin, eyes, or clothing. • Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. 	

FIRST AID 	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have 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 to 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.
<p>NOTE: When calling poison control center, have this product label accessible. If seeking treatment at an emergency room or doctor's office, bring this product label to show medical personnel. You may call toll-free 877-229-3763 for medical emergency information. Active ingredient: 0.235% Imidacloprid [CAS # 138261-41-3]</p>	

11
11

ENVIRONMENTAL HAZARDS

- This pesticide is toxic to fish.
- Do not apply directly to water. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours, will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.
- Do not contaminate water by cleaning of equipment or disposal of wastes.
- 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 it to drift to blooming crops or weeds if bees are visiting the treatment area. This product is toxic to wildlife and highly toxic to aquatic invertebrates.
- This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

NOTICE: Research and testing have determined that the "Directions for Use" are appropriate for the proper use of this product under expected conditions. The Buyer assumes responsibility for lack of performance or safety if not used according to the directions.

***Money Back Guarantee:** If you are not satisfied with this product, we will gladly refund your original purchase price.



A Business Group of Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

Imidacloprid 0.235 (PENDING) 06/17/09