

Supplemental Label



BELAY[®] **INSECTICIDE**



LICENSED

9556.107

EPA Reg. No. 59639-150
(Except California, Florida and New York)

LICENSED

PERIOD 2011-2013 LIC. NO.

PERIOD 2014-2016 LIC. NO.

BELAY[®] INSECTICIDE FOR CONTROL OF SUCKING AND CHEWING INSECTS INFESTING BRASSICA VEGETABLES, COTTON, CRANBERRY (LOW-GROWING BERRY, EXCEPT STRAWBERRY), CUCURBITS, FRUITING VEGETABLES, FIG, GRAPE, LEAFY VEGETABLES, PEACH, POME FRUIT, POMEGRANATE, SOYBEAN, TREE NUTS AND TUBEROUS AND CORM VEGETABLES (INCLUDING POTATO AND SWEET POTATO)

This supplemental label expires on July 8, 2013 and must not be used or distributed after this date.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS, DIRECTIONS AND RESTRICTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

THIS LABELING MUST BE IN THE POSSESSION OF THE USER AT THE TIME OF APPLICATION.

READ THE LABEL AFFIXED TO THE CONTAINER FOR *BELAY* INSECTICIDE BEFORE APPLYING. USE OF *BELAY* INSECTICIDE ACCORDING TO THIS LABELING IS SUBJECT TO THE USE PRECAUTIONS AND LIMITATIONS IMPOSED BY THE LABEL AFFIXED TO THE CONTAINER FOR *BELAY* INSECTICIDE.

RESTRICTIONS

Belay Insecticide is an insecticide for broad spectrum control of insects infesting cotton, cranberry (low-growing berry, except strawberry), fruiting vegetables (including cucurbits), fig, grape, leafy vegetables (including brassica vegetables), peach, pome fruit, pomegranate, soybean, tree nuts and tuberous and corm vegetables (including potato and sweet potato). When applied as directed, *Belay* Insecticide provides excellent and long residual control.

- Regardless of formulation or type of application (seed treatment, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season for all crops.
- If the maximum season limit of clothianidin as mentioned above has been applied and pest populations require additional treatments, use another registered pesticide that is not in the neonicotinoid class of chemistry.
- Do not apply by air except for cotton, potato and soybean.
- Do not incorporate an adjuvant with this product on almond, cranberry (low-growing berry, except strawberry), fruiting vegetables (including cucurbits), leafy vegetables (including brassica vegetables) and peach.

ROTATIONAL CROP PLANT-BACK INTERVALS				
Crops Planted	Immediate Plant-Back	30-day Plant-Back	8 Month Plant-Back	12 Month Plant-Back
Cotton, Fruiting Vegetables (including Cucurbits), Leafy Vegetables (including Brassica Vegetables), Soybean and Tuberos and Corm Vegetables	Cereal Grains (except Rice), Cotton, Fruiting Vegetables (including Cucurbits), Leafy Vegetables (including Brassica Vegetables), Soybean, Bulb Vegetables, Root and Tuber Vegetables, Rapeseed, Sorghum, Canola, Corn (Field, Pop and Sweet)	Dry Beans, Grasses, Non-grass Animal Feeds, Rice	Sugarcane	Any crops without an earlier plant-back interval

Aerial Application for Cotton, Potato and Soybean Only

Apply *Belay Insecticide* with the required amount of carrier to provide thorough coverage of the crop's foliage. Applications by air need to be done using a minimum of 3 gallons per acre. Do not apply *Belay Insecticide* when the risk of excessive drift is expected due to temperature inversion, wind patterns and humidity. To prevent drift into neighboring crops and bodies of water obey the following: Consider the direction of the wind in relation to the spraying pattern that the aircraft will have to follow to make the application. Do not apply if wind direction can push droplets towards other crops and bodies of water. Do not apply *Belay Insecticide* when wind speeds are approaching 10 mph and consider droplet size. Smaller droplets, which include smaller than 200 microns, are more likely to cause drift. Consider a larger size droplet that also provides good coverage on the crop canopy. Nozzle orientation and boom size must be based on the wing span and type of aircraft (e.g. fixed wing vs rotary wing) to consider air streams, vortices and lift properties of the aircraft.

BRASSICA (COLE) LEAFY VEGETABLES

Broccoli; Broccoli Raab (Rapini); Brussels Sprout; Cabbage; Cauliflower; Cavalo Broccolo; Chinese Broccoli (Gai Lon); Chinese Cabbage (Bok Choy and Napa); Chinese Mustard Cabbage; Collards; Kale; Kohlrabi; Mizuna; Mustard Greens; Mustard Spinach; Rape Greens; Turnip Greens

FOLIAR APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Bagrada Bugs Flea Beetles Harlequin Bugs Leafhoppers Stinkbugs Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Choose lower rate for light infestation and the higher rate for heavy infestation. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.

- Do not apply more than 12 fl oz (0.2 lb ai) of *Belay* Insecticide per acre per season.
- Do not apply an adjuvant with this product.
- Do not apply treatments less than 7 days apart.
- Do not apply within 21 days of harvest.
- *Belay* Insecticide must not be applied during bloom or if bees are actively foraging.

continued

Brassica (Cole) Leafy Vegetables continued

SOIL APPLICATION		
Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Flea Beetles Harlequin Bugs Leafhoppers Leafminers (suppression) Thrips (suppression) Whiteflies (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	Make one soil application at specified dose in sufficient carrier volume to insure uniform application in one of the following methods: <ol style="list-style-type: none"> 1. In a narrow band centered on the plant row in the bedding operation just prior to planting. 2. In-furrow spray at planting directed on or below seed/transplant. 3. As a sidedress to both sides of the row. 4. Seeding drench or as transplant water drench. 5. Chemigation into root zone through drip, trickle or custom made systems that target the watering of the root zone of the plant.
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. • Apply <i>Belay</i> Insecticide at planting. • <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

COTTON

FOLIAR APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids ¹ Flea Beetles Fleahoppers Lygus/Plant Bugs Stinkbugs Thrips (suppression) Whiteflies (suppression)	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. Use between 3 to 10 gallons per acre for aerial applications.
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. • Do not apply treatments less than 7 days apart. • Do not apply within 21 days of harvest. 		

¹ Heavy infestations of aphids might require two applications of the highest rate to achieve control. *Belay* Insecticide will not control cotton aphids in regions where insensitivity to neonicotinoid insecticides has been reported.

CUCURBIT VEGETABLES

Acorn Squash; Balsam Apple; Balsam Pear; Bitter Melon; Butternut Squash; Calabaza; Cantaloupe; Casaba; Chayote; Chinese Cucumber; Chinese Okra; Chinese Waxgourd (Chinese Preserving Melon); Citron Melon; Crenshaw Melon; Crookneck Squash; Cucumber; Cucuzza; Edible Gourd; Gherkin; Golden Pershaw Melon; Hechima; Honey Balls; Honeydew Melon; Hubbard Squash; Hyotan; Mango Melon; *Momordica* spp.; Muskmelon; Persian Melon; Pineapple Melon; Pumpkin; Santa Claus Melon; Scallop Squash; Snake Melon; Spaghetti Squash; Straightneck Squash; Summer Squash; True Cantaloupe; Vegetable Marrow; Watermelon; Winter Squash; Zucchini

FOLIAR APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Cucumber Beetles Flea Beetles Leafhoppers Squash Bugs Stinkbugs Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Choose lower rate for light infestation and the higher rate for heavy infestation. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.

- Do not apply more than 12 fl oz (0.2 lb ai) of *Belay* Insecticide per acre per season.
- Do not incorporate an adjuvant with this product.
- Do not apply treatments less than 7 days apart.
- Do not apply within 21 days of harvest.
- *Belay* Insecticide must not be applied during bloom or if bees are actively foraging.

continued

Cucurbit Vegetables continued

SOIL APPLICATION		
Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Cucumber Beetles Flea Beetles Leafhoppers Leafminers (suppression) Thrips (suppression) Whiteflies (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	Make one soil application at specified dose in sufficient carrier volume to insure uniform application in one of the following methods: <ol style="list-style-type: none"> 1. In a narrow band centered on the plant row in the bedding operation just prior to planting. 2. In-furrow spray at planting directed on or below seed/transplant. 3. As a sidedress to both sides of the row. 4. Seeding drench or as transplant water drench. 5. Chemigation into root zone through drip, trickle or any custom made systems that target the watering of the root zone of the plants.
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. • Apply <i>Belay</i> Insecticide at planting. • <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

CRANBERRY (LOW-GROWING BERRY EXCEPT STRAWBERRY)

Bearberry, Bilberry, Cloudberry, Cranberry, Lingonberry, Lowbush Blueberry, Muntries, Partridgeberry and varieties, and/or cultivars of these

FOLIAR POST BLOOM APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rate	Special Instructions
Blackheaded Fireworm (suppression) Cranberry Fruitworm (suppression) Cranberry Weevil Flea Beetles Leafhoppers Sparganothis Fruitworm (suppression) Tipworm (suppression)	4 fl oz/A (0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control.

- Do not apply more than 12 fl oz (0.2 lb ai) of *Belay* Insecticide per acre per season.
- Do not incorporate an adjuvant with this product.
- Do not apply treatments less than 7 days apart.
- Do not apply within 21 days of harvest.
- *Belay* Insecticide must not be applied during bloom or if bees are actively foraging.

SOIL POST BLOOM APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Cranberry Weevil Flea Beetles Tipworm White Grubs	12 fl oz/A (0.2 lb ai/A)	Make one post bloom soil application as indicated below. Irrigate with a minimum of 0.2 inch of water within 2 hours of application (if rainfall occurs within the 2 hours irrigation may not be necessary). Apply specified dose to soil by one of the following methods: 1. As a ground application soil spray directed to the root and crown area. 2. As a chemigation application.

- Do not apply more than 12 fl oz (0.2 lb ai) of *Belay* Insecticide per acre per season.
- Do not apply within 21 days of harvest.

FIG

FOLIAR POST BLOOM APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Dried Fruit Beetles Fig Scale	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	<p>Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>The amount of <i>Belay</i> Insecticide per acre will depend on tree size and pest pressure.</p> <p>Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestations and/or larger trees.</p> <p>Apply by ground 100 to 400 gallons per acre as a full coverage spray. Spray volume will depend on tree size and density of canopy. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.</p> <p>Repeat applications as needed to maintain control but do not apply more often than every 14 days. A single application may result in suppression only.</p>

- Do not apply more than 12 fl oz (0.2 lb ai) of *Belay* Insecticide per season.
- Do not apply treatments less than 14 days apart.
- Do not apply within 7 days of harvest.
- Do not feed or allow livestock to graze on cover crops from treated orchards.

**FRUITING VEGETABLES
(Except Cucurbits)**

Eggplant; Ground Cherry (*Physalis* spp.); Pepino; Peppers (including Bell Pepper, Chili Pepper, Cooking Pepper, Pimento, Sweet Pepper); Tomatillo; Tomato

FOLIAR APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
<p>Aphids Colorado Potato Beetles Flea Beetles Leafhoppers Lygus/Plant Bugs Pepper Weevils Stinkbugs Whiteflies (suppression)</p>	<p>3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)</p>	<p>Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>Choose lower rate for light infestation and the higher rate for heavy infestation. For whiteflies use the higher rate.</p> <p>Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.</p>
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. • Do not incorporate an adjuvant with this product. • Do not apply treatments less than 7 days apart. • Do not apply within 21 days of harvest. • <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

continued

Fruiting Vegetables (Except Cucurbits) continued

SOIL APPLICATION		
Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles Flea Beetles Leafhoppers Leafminers (suppression) Lygus/Plant Bugs Thrips (suppression) Whiteflies (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	<p>Make one soil application at specified dose in sufficient carrier volume to insure uniform application in one of the following methods:</p> <ol style="list-style-type: none"> 1. In a narrow band centered on the plant row in the bedding operation just prior to planting. 2. In-furrow spray at planting directed on or below seed/transplant. 3. As a sidedress to both sides of the row. 4. Seeding drench or as transplant water drench. 5. Chemigation into root zone through drip, trickle or similar custom made systems that target the watering of the root zone of the plants.
Diseases Suppressed	<i>BELAY</i> Insecticide Application Rate	
Tomato Spotted Wilt Virus (TSWV)	12 fl oz/A (0.2 lb ai/A)	
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. • Apply <i>Belay Insecticide</i> at planting. 		

GRAPE		
FOLIAR APPLICATION		
Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Leafhoppers Grape Leaf Skeletonizers Japanese Beetles Multicolored Asian Lady Beetle	2 to 4 fl oz/A (0.033 to 0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control
Sharpshooters	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	
European Grapevine Moth Grape Berry Moth Grape Mealybug Longtailed Mealybug Obscure Mealybug Vine Mealybug	6 fl oz/A (0.1 lb ai/A)	
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not apply treatments less than 14 days apart. May be applied up to harvest (0 days PHI). 		

continued

GRAPE continued

SOIL APPLICATION		
Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Grape Mealybug Grape Phylloxera spp. (suppression) Leafhoppers Longtailed Mealybug Obscure Mealybug Sharpshooters Vine Mealybug	6 to 12 fl oz/A (0.1 to 0.2 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply specified rate in sufficient carrier volume to ensure uniform application and incorporate into the soil using drip or trickle irrigation water. Make one soil application at specified dose in sufficient carrier volume to insure uniform application using the following method: <ul style="list-style-type: none"> • Chemigation into root zone through drip, trickle or any similar custom made systems that target the watering of the root zone of the plants.
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. • Do not apply treatments less than 14 days apart. • Do not apply within 30 days of harvest. 		

**LEAFY VEGETABLES
(Except Brassica Vegetables)**

Amaranth (Chinese Spinach), Arugula (Roquette), Cardoon, Celery, Celtuce, Chervil, Chinese Celery, Chrysanthemum (Edible-leaved and Garland), Corn Salad, Cress (Garden and Upland), Dandelion, Dock (Sorrel), Endive (Escarole), Florence Fennel, Lettuce (Head and Leaf), Orach, Parsley, Purslane (Garden and Winter), Radicchio (Red Chicory), Rhubarb, Spinach, Spinach (New Zealand and Vine), Swiss Chard

FOLIAR APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Flea Beetles Leafhoppers Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	<p>Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>Choose lower rate for light infestation and the higher rate for heavy infestation.</p> <p>Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.</p>
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. • Do not incorporate an adjuvant with this product. • Do not apply treatments less than 7 days apart. • Do not apply within 21 days of harvest. • <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

continued

Leafy Vegetables (Except Brassica Vegetables) continued

SOIL APPLICATION		
Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Flea Beetles Leafhoppers Leafminers (suppression) Thrips (suppression) Trash Bugs (including earwigs, crickets, ground beetles) Whiteflies (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	Make one soil application at specified dose in sufficient carrier volume to ensure uniform application in one of the following methods: <ol style="list-style-type: none"> 1. In a narrow band centered on the plant row in the bedding operation just prior to planting. 2. In-furrow spray at planting directed on or below seed/transplant. 3. As a sidedress to both sides of the row. 4. Seeding drench or as transplant water drench. 5. Chemigation into root zone through drip, trickle or similar custom made systems that target the watering of the root zone of the plants.
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. • Apply <i>Belay</i> Insecticide at planting. 		

PEACH

FOLIAR POST BLOOM APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Leafhoppers	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.
Lygus/Plant Bugs Plum Curculio Scales Stinkbugs	6 fl oz/A (0.1 lb ai/A)	Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestations and/or larger trees. Apply by ground 100 to 400 gallons per acre as a full coverage spray. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre. Scales: Time applications to the crawler stage, treat each successive generation. Two applications on a 10- to 14- day interval may be required to achieve control.

- Do not apply more than 12 fl oz (0.2 lb ai) of *Belay* Insecticide per acre per season.
- Do not incorporate an adjuvant with this product.
- Do not apply treatments less than 10 days apart.
- Do not apply within 21 days of harvest.
- Do not feed or allow livestock to graze on cover crops from treated orchards.
- *Belay* Insecticide must not be applied during bloom or if bees are actively foraging.

POME FRUIT

Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental pear, Quince

FOLIAR POST BLOOM APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Leafhoppers Plant Bugs Stinkbugs	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.
Apple Maggot Leafminers Mealybugs Plum Curculio	6 fl oz/A (0.1 lb ai/A)	The amount of <i>Belay</i> Insecticide per acre will depend on tree size and pest pressure. Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestation and/or larger trees.
Codling Moth* Lygus Oblique-banded Leafroller Oriental Fruit Moth Pear Psylla Scales Stinkbugs	6 to 12 fl oz/A (0.1 to 0.2 lb ai/A)	<p>Apply by ground 100 to 400 gallons per acre as a full coverage spray. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.</p> <p>Applications may also be made as a concentrate spray. Maintain the same amount of product per acre as a dilute application using the appropriate amount of concentrate spray volume. Repeat applications as needed to maintain control but do not apply more often than every 10 days. A single application may result in suppression only.</p> <p>For optimum control of Leafminers and Leafrollers, make the first application as soon as pollination is complete and bees are removed from the orchard.</p> <p>*For Codling Moth (First Generation): For control of first generation codling moth in areas with light pressure and suppression of first generation codling moth in areas of heavy infestation.</p> <p>Suppression only of second or third generation codling moth in any area.</p> <p>Scales: Time applications to the crawler stage, treat each successive generation. Two applications on a 10- to 14-day interval may be required to achieve control.</p>

- Do not apply more than 12 fl oz (0.2 lb ai) of *Belay* Insecticide per acre per season.
- Do not apply within 7 days of harvest.
- Do not feed or allow livestock to graze on cover crops from treated orchards.
- *Belay* Insecticide must not be applied during bloom or if bees are actively foraging.

POMEGRANATE

FOLIAR POST BLOOM APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
<p>Aphids Leafhoppers Mealybugs Whiteflies (suppression)</p>	<p>4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)</p>	<p>Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>The amount of <i>Belay</i> Insecticide per acre will depend on tree size and pest pressure.</p> <p>Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestations and/or larger trees.</p> <p>Apply by ground 100 to 400 gallons per acre as a full coverage spray. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.</p> <p>Repeat applications as needed to maintain control but do not apply more often than every 14 days. A single application may result in suppression only.</p>
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per season. • Do not apply treatments less than 14 days apart. • Do not apply within 7 days of harvest. • Do not feed or allow livestock to graze on cover crops from treated orchards. • <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

SOYBEAN		
FOLIAR APPLICATION		
Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids ¹ Bean Leaf Beetles Blister Beetles Japanese Beetles Leafhoppers Lygus/Plant Bugs Stinkbugs Three Cornered Alfalfa Hopper Whiteflies (suppression)	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. Use between 3 to 10 gallons per acre for aerial applications.
<ul style="list-style-type: none"> • Do not apply foliar treatments less than 7 days apart. • Do not apply within 21 days of harvest. • Do not make foliar applications of <i>Belay</i> Insecticide in fields treated with a neonicotinoid insecticide seed treatment(s) within 45 days after planting. • Regardless of formulation or type of application (foliar or seed treatment), do not apply more than 0.2 lb ai of clothianidin per acre per season. • Do not graze or feed soybean forage and hay to livestock. 		

¹ Applications for soybean aphid need to be targeted at or less than 250 aphids/plant. Populations over threshold might require more than one application to achieve control.

TREE NUTS

Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Pecan, Walnut (Black and English)

FOLIAR POST BLOOM APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Leafhoppers Pecan Nut Casebearer Pecan Weevil Walnut Husk Fly Whiteflies (suppression)	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.
Hickory Shuckworm Lygus Mealybugs Scales Stinkbugs	6 fl oz/A (0.1 lb ai/A)	Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestation and/or larger trees. Apply by ground 100 to 400 gallons per acre as a full coverage spray. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre. Scales: Time applications to the crawler stage, treat each successive generation. Two applications on a 10- to 14-day interval may be required to achieve control.

- Do not apply more than 12 fl oz (0.2 lb ai) of *Belay* Insecticide per acre per season.
- Do not incorporate an adjuvant with this product on almond.
- Do not apply treatments less than 10 days apart.
- Do not apply within 21 days of harvest.
- *Belay* Insecticide must not be applied during bloom or if bees are actively foraging.
- Do not feed or allow livestock to graze on cover crops from treated orchards.

TUBEROUS AND CORM VEGETABLES

Arrachcha, arrowroot, artichoke, (including Chinese and Jerusalem), edible canna, cassava (including bitter and sweet), root chayote, chufa, dasheen, ginger, leren, potato, sweet potato, taniel, turmeric, and yam

FOLIAR APPLICATION

Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles ¹ Flea Beetles Leafhoppers	2 to 3 fl oz/A (0.033 to 0.05 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Thorough coverage is required for control. Use between 3 to 10 gallons per acre for aerial applications.
<ul style="list-style-type: none"> • Do not apply treatments less than 7 days apart. • Do not apply within 14 days of harvest. • Regardless of formulation or type of application (seed piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season. • Do not apply by air except for potato. 		

¹ *Belay* Insecticide will not control Colorado potato beetles in regions where insensitivity to neonicotinoid insecticides has been reported.

continued

TUBEROUS AND CORM VEGETABLES (continued)

IN-FURROW OR SIDE DRESS APPLICATIONS		
Pests	<i>BELAY</i> Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles ¹ Exotic White Grub Flea Beetles Leafhoppers Potato Psyllids (suppression) Sweet Potato Weevil Wireworms (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	<p>Timing of Application: At planting or as a side-dress on both sides of the row at ground-crack during hilling. With ground-crack/hilling application make certain product is covered with at least 3 inches of soil.</p> <ol style="list-style-type: none"> 1. Apply specified rate in sufficient carrier volume to insure uniform application and incorporate into the soil using one of the following methods: In a narrow band centered on the plant row in the bedding operation just prior to planting. 2. In-furrow spray at planting. Direct spray in the furrow on the seed pieces or potatoes. 3. As a sidedress to both sides of the row or as a spray at ground crack directly over the row during hilling. Cover immediately with soil. <p>Chemigation from plant emergence to 50 percent row cover. Applications via chemigation targeting above ground pests after 50 percent row cover could result in limited plant uptake via the root system. Use at least 0.15 inches of water when chemigating <i>Belay</i> Insecticide.</p>
Diseases Suppressed	<i>BELAY</i> Insecticide Application Rate	
Symptoms of: Potato Leafroll Virus (PLRV) Purple Top	12 fl oz/A (0.2 lb ai/A)	
<ul style="list-style-type: none"> • Regardless of formulation or type of application (seed piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season. 		

¹ *Belay* Insecticide will not control Colorado potato beetles in regions where insensitivity to neonicotinoid insecticides has been reported.

continued

TUBEROUS AND CORM VEGETABLES (continued)

SEED-PIECE APPLICATION		
Pests	<i>BELAY</i> Insecticide Rates/100 lbs seed	Special Instructions
Aphids Colorado Potato Beetles ¹ Flea Beetles Leafhoppers Potato Leafhoppers Potato Psyllids (suppression only) Wireworms (seed-piece protection only)	0.4 to 0.6 fl oz*	Seed-Piece Application: 1. Apply specified dosage as a diluted, fine spray applied over the cut or whole seed tubers. A dilution rate of 1 part <i>Belay</i> Insecticide to 3 parts water, or less, is recommended. 2. Maintain agitation of spray mixture during the application process. 3. Use a spray system that is properly shielded to prevent any spray from moving off target.
Diseases Suppressed	<i>BELAY</i> Insecticide Rates/100 lbs seed	Liquid-based fungicides can be applied with <i>Belay</i> Insecticide; however check compatibility before use. If using inert dusts or dust-based fungicides, apply <i>Belay</i> Insecticide first, followed by dust application.
Symptoms of: Potato Leaf Roll virus (PLRV) Purple Top Net Necrosis	0.6 fl oz	Apply only in areas with adequate ventilation to accommodate dry-down and in areas equipped to remove mist or dust. Plant treated seed-pieces as soon as possible after treating. *Based on seeding rate of 2,000 lbs/acre, seed-piece application rate range equals in-furrow/side-dress per acre application rate range.
<ul style="list-style-type: none"> • Do not use treated seed-pieces for food, feed or fodder. • Do not apply any subsequent application of <i>Belay</i> Insecticide (in-furrow, side-dress) following a <i>Belay</i> Insecticide seed-piece treatment. • Regardless of formulation or type of application (seed piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season. 		

¹ *Belay* Insecticide will not control Colorado Potato Beetles in regions where insensitivity to neonicotinoid insecticides has been reported.

PLEASE CONTACT VALENT U.S.A. CORPORATION AT 800-6-VALENT (682-5368) TO DETERMINE IF THIS USE IS REGISTERED IN YOUR STATE.

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Belay is a registered trademark of Sumitomo Chemical Company, Limited

Manufactured for:
Valent U.S.A. Corporation
P. O. Box 8025
Walnut Creek, CA 94596-8025

Made in U.S.A.

Form 2011-BEL-0015

NET CONTENTS 1½ GALLONS

FOR CONTROL OF LISTED SUCKING AND CHEWING INSECTS INFESTING COTTON, CRANBERRY (LOW-GROWING BERRY, EXCEPT STRAWBERRY), FRUITING VEGETABLES (INCLUDING CUCURBITS), FIG, GRAPE, LEAFY VEGETABLES (INCLUDING BRASSICA VEGETABLES), PEACH, POME FRUIT, POMEGRANATE, SOYBEAN, TOBACCO, TREE NUTS AND TUBEROUS AND CORM VEGETABLES (INCLUDING POTATO AND SWEET POTATO).



Department of Agriculture
STATE OF HAWAII

LICENSED

Active Ingredient	By Wt.
*Clothianidin	23.60%
Other Ingredients	76.40%
Total	100.00%

Contains 2.13 lbs active ingredient per gallon

EPA Reg. No. 59639-150

EPA Est. 39578-TX-01©, 67545-AZ-01©, 5905-GA-01©

Superscript is first letter of lot number.



Department of Agriculture
STATE OF HAWAII

LICENSED

PERIOD **2011-2013** LIC. NO.

KEEP OUT OF REACH OF CHILDREN PERIOD **2014-2016** LIC. NO. **9556.107**

CAUTION

SEE NEXT PAGE FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

BELAY®
INSECTICIDE



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed.

FIRST AID

If swallowed: 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **800-892-0099** for emergency medical treatment information.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some of the materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves made of any waterproof material.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- 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 the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Do not apply when weather conditions favor drift from treated areas. Drift and runoff

may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

This product is toxic to bees exposed to treatment and for more than 5 days following treatment. Do not apply this product to blooming, pollen-shedding or nectar-producing parts of plants if bees may forage on the plants during this time period.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Do not apply this product in any 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 regulation.

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 on this label about personal protective equipment (PPE), notification to workers 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 enter or allow entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry into 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, shoes plus socks, chemical-resistant gloves made of any waterproof material.

**DISCLAIMER, RISKS OF USING THIS PRODUCT,
LIMITED WARRANTY
AND LIMITATION OF LIABILITY**

IMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks asso-

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ciated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. To the extent consistent with applicable law AND AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

To the fullest extent allowed by law, Valent or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

PROMPT NOTICE OF CLAIM

To the extent consistent with applicable law allowing such requirements Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is later, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law if Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

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NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing **Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability**, which may not be modified by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the tank mix with this product.

RESISTANCE MANAGEMENT

Belay® Insecticide contains clothianidin, which is classified in the Group 4A of insecticide classes. Insect biotypes that have developed insensitivity to Group 4A (neonicotinoid) insecticides can eventually dominate the insect population in the same field. That is most likely to happen when Group 4A insecticides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by *Belay* Insecticide or other Group 4A insecticides.

To delay insecticide resistance consider:

- Avoiding the consecutive use of *Belay* Insecticide or other Group 4A insecticides that have a similar target site of action on the same insect species and/or insect species inadvertently exposed to the applications (non-target pests).
- Using tank mixtures or premixes with insecticides from a different class of chemistry, which must be registered products for the same commodity and use pattern, with different sites of action can help to reduce the generation of resistance.

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- Do not make foliar applications of neonicotinoid insecticides (Group 4A) after soil applications of *Belay* Insecticide.
- Utilizing a comprehensive Integrated Pest Management (IPM) program while controlling insect pests.
- When possible screen treated insect populations for insensitivity to Group 4A insecticides.
- Contacting your local extension specialist, certified crop advisors and/or manufacturer for insecticide resistance management or IPM recommendations for the specific site and resistant pest problems.

For further information or to report suspected resistance, you may contact Valent U.S.A. Corporation at 800-682-5368.

RESTRICTIONS

Belay Insecticide is an insecticide for broad spectrum control of insects infesting cotton, cranberry (low-growing berry, except strawberry), fruiting vegetables (including cucurbits), fig, grape, leafy vegetables (including brassica vegetables), peach, pome fruit, pomegranate, soybean, tobacco, tree nuts and tuberous and corm vegetables (including potato and sweet potato). When applied as directed, *Belay* Insecticide provides excellent and long residual control.

- Regardless of formulation or type of application (seed treatment, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season for all crops.
- If the maximum season limit of clothianidin as mentioned above has been applied and pest populations require additional treatments, use another registered pesticide that is not in the neonicotinoid class of chemistry.
- Do not apply by air except for cotton, potato and soybean.
- Do not incorporate an adjuvant with this product on almond, cranberry (low-growing berry, except strawberry), fruiting vegetables (including cucurbits), leafy vegetables (including brassica vegetables) and peach.

ROTATIONAL CROP PLANT-BACK INTERVALS

Crops Planted	Immediate Plant-Back	30-day Plant-Back	8 Month Plant-Back	12 Month Plant-Back
Cotton, Fruiting Vegetables (including Cucurbits), Leafy Vegetables (including Brassica Vegetables), Soybean and Tuberous and Corm Vegetables	Cereal Grains (except Rice), Cotton, Fruiting Vegetables (including Cucurbits), Leafy Vegetables (including Brassica Vegetables), Soybean, Bulb Vegetables, Root and Tuber Vegetables, Rapeseed, Sorghum, Canola, Corn (Field, Pop and Sweet)	Dry Beans, Grasses, Non-grass Animal Feeds, Rice	Sugarcane	Any crops without an earlier plant-back interval

PLANT TOLERANCE

Neither the manufacturer nor the seller has determined whether or not *Belay* Insecticide can be used safely on all cultivars registered for use. *Belay* Insecticide has been tested on many cultivars with no phytotoxicity observed at label rates. Since all plant species and their varieties and cultivars have not been tested for tolerance, it is recommended that a small number of plants be sprayed to make certain that no phytotoxicity occurs, prior to any large scale application to plants. The end user assumes all risks arising from application of *Belay* Insecticide in a manner inconsistent with its labeling.

Belay Insecticide can be tank mixed. However, all plant species and their varieties and cultivars have not been tested with possible tank mix combinations, sequential pesticide treatments and adjuvants and surfactants. Conduct a spray mix compatibility and phytotoxicity trial under local conditions to ensure compatibility prior to any large-scale use.

MIXING INSTRUCTIONS

1. Begin with clean equipment.
2. Add sufficient clean water to the spray tank for 1/2 of the mix load.
3. Start tank agitation.
4. Add and properly suspend the necessary amount of *Belay* Insecticide according to established tank mix instructions. Agitate to ensure thorough mixing while adding the remaining required water. A high quality wetting agent or other spray adjuvant, approved for use on your crop, may be added to spray solutions according to the manufacturer's use instructions. *Belay* Insecticide must be properly suspended and diluted prior to the addition of any adjuvant. Consult adjuvant label or manufacturer for crop tolerance and safety information when used with this product.

5. Maintain agitation during mixing and application.
6. Apply with properly calibrated spray equipment.

SPRAY DRIFT MANAGEMENT

Do not allow this product to drift onto neighboring crops or non-crop areas or use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

Applicator is responsible for employing practices that will minimize spray drift at the application site. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. Where states have more stringent regulations, they must be observed.

APPLICATION PROCEDURES

Foliar Application

Select spray nozzles which will provide accurate and uniform spray deposition. Use spray nozzles which provide medium sized droplets and reduce drift. To help ensure accuracy, calibrate sprayer before each use. For information on spray equipment and calibration, consult nozzle manufacturers and/or State and County Extension Service.

Apply *Belay* Insecticide using sufficient water volume to provide thorough and uniform coverage. In situations where a dense canopy exists and/or pest pressure is high, use greater water volumes. The use of a spray adjuvant may improve spray coverage. Do not make applications under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur.

Aerial Application for Cotton, Potato and Soybean Only

Apply *Belay* Insecticide with the required amount of carrier to provide thorough coverage of the crop's foliage. Applications by air need to be done using a minimum of 3 gallons per acre. Do not apply *Belay* Insecticide when the risk of excessive drift is expected due to temperature inversion, wind patterns and humidity. To prevent drift into neighboring crops and bodies of water obey the following: Consider the direction of the wind in relation to the spraying pattern that the aircraft will have to follow to make the application. Do not apply if wind direction can push droplets towards other crops and bodies of water. Do not apply *Belay* Insecticide when wind speeds are approaching 10 mph and consider droplet size. Smaller droplets, which include smaller than 200 microns, are more likely to cause drift. Consider a larger size droplet that also provides good coverage on the crop canopy. Nozzle orientation and boom size must be based on the wing span and type of aircraft (e.g. fixed wing vs rotary wing) to consider air streams, vortices and lift properties of the aircraft.

Application Through Irrigation Systems (Chemigation)

Belay Insecticide alone or in combination with other products which are registered for application through sprinkler irrigation may be applied through irrigation systems. Apply this product only through micro-irrigation (individual spaghetti tube), drip irrigation, overhead irrigation or motorized calibrated irrigation equipment. Do not apply through any other type of irrigation system. Lack of effectiveness can result from non-uniform distribution of treated water. If you have questions about calibration, contact your State Extension Service specialist, equipment manufacturer or other experts. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments.

Using Water from Public Water Systems

• **Do not apply *Belay* Insecticide through any irrigation system physically connected to a public water system.**

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year. *Belay* Insecticide may be applied through irrigation systems, which may be supplied by a public water system only if the water from the public water system is discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and to top or overflow rim of the reservoir tank

of at least twice the inside diameter of the fill pipe. Before beginning chemigation, always make sure that the air gap exists and that there is no blockage of the overflow of the reservoir tank.

Any irrigation system using water supplied from a public water system must also meet the following requirements:

Operating Instructions for All Specified Types of Irrigation Systems

1. The system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, contact your State Extension Service specialist, equipment manufacturer or other experts.
2. 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 back-flow.
3. The pesticide injection pipeline must contain a functional, automatic, quick closing check valve to prevent the flow of fluid back toward the injection pump.
4. 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
6. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
7. 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.
8. Do not apply when wind speed favors drift beyond the area intended.

Calibration and Application Instructions

Apply *Belay* Insecticide under the schedule specified in the specific crop use recommendations, not according to the irrigation schedule, unless the events coincide. In general, set the equipment to apply the minimum amount of water per acre. Run the system at 86 to 90% of the manufacturer's maximum rated travel speed.

The following calibration and application techniques are provided for user reference, but do not constitute a warranty of fitness for application through sprinkler irrigation equipment. Check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler irrigation equipment.

Center Pivot Irrigation Equipment

1. Use only drive systems that provide uniform water distribution.
2. Do not use end guns when chemigating *Belay* Insecticide through center pivot systems because of non-uniform application.
3. Plug the first nozzle closest to the well head to protect the water source.
4. Determine the size of the area to be treated.
5. Determine the time required to apply 0.1 to 0.25 inches of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. Run the system at 80 to 95% of the manufacturer's rated maximum travel speed.
6. Using water, determine the injection pump output when operated at normal line pressure.
7. Determine the amount of *Belay* Insecticide, and any tank mix partners, required to treat the area covered by the irrigation system.
8. Add the required amount of *Belay* Insecticide, and any tank mix partners, and sufficient water to meet the injection time requirements to the solution tanks. (See "Mixing Instructions" section of this label.)
9. Make sure the system is fully charged with water before starting injection of the *Belay* Insecticide solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
10. Maintain constant agitation in the solution tank during the injection period.

11. Inject the specified amount of *Belay* Insecticide per acre continuously for one complete revolution of the system.
12. Stop the injection equipment after treatment is complete. Continue to operate the system until the *Belay* Insecticide solution has cleared all of the sprinkler heads.
13. Allow time for all lines to flush the pesticide through all nozzles before turning off irrigation water.

Solid Set, Hand Move and Moving Wheel Irrigation Equipment

1. Determine the acreage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 20 to 40 minute time interval.
3. Determine the amount of *Belay* Insecticide required to treat the area covered by the irrigation system.
4. Add the required amount of *Belay* Insecticide, and any other tank mix partners, into the same quantity of water used to calibrate the injection period. (See "Mixing Instructions" section of this label.)
5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject specified amount of *Belay* Insecticide per acre for either a 20 to 40 minute period at the end of a regular irrigation set, or as a 20 to 40 minute injection as a separate application not associated with a regular irrigation to maximize retention of the insecticide by the foliage.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the *Belay* Insecticide solution has cleared the last sprinkler head. To ensure lines are flushed and free from remaining pesticides, a dye indicator may be injected into the lines to mark the end of the application period.

BRASSICA (COLE) LEAFY VEGETABLES

Broccoli; Broccoli Raab (Rapini); Brussels Sprout; Cabbage; Cauliflower; Cavalo Broccolo; Chinese Broccoli (Gai Lon); Chinese Cabbage (Bok Choy and Napa); Chinese Mustard Cabbage; Collards; Kale; Kohlrabi; Mizuna; Mustard Greens; Mustard Spinach; Rape Greens; Turnip Greens

FOLIAR APPLICATION		
Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Bagrada Bugs Flea Beetles Harlequin Bugs Leafhoppers Stinkbugs Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Choose lower rate for light infestation and the higher rate for heavy infestation. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not apply an adjuvant with this product. Do not apply treatments less than 7 days apart. Do not apply within 21 days of harvest. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		
SOIL APPLICATION		
Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Flea Beetles Harlequin Bugs Leafhoppers Leafminers (suppression) Thrips (suppression) Whiteflies (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	Make one soil application at specified dose in sufficient carrier volume to ensure uniform application in one of the following methods: 1. In a narrow band centered on the plant row in the bedding operation just prior to planting. 2. In-furrow spray at planting directed on or below seed/transplant. 3. As a sidedress to both sides of the row. 4. Seeding drench or as transplant water drench. 5. Chemigation into root zone through drip, trickle or custom made systems that target the watering of the root zone of the plant.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Apply <i>Belay</i> Insecticide at planting. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

COTTON

FOLIAR APPLICATION		
Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids ¹ Flea Beetles Flea-hoppers Lygus/Plant Bugs Stinkbugs Thrips (suppression) Whiteflies (suppression)	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. Use between 3 to 10 gallons per acre for aerial applications.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not apply treatments less than 7 days apart. Do not apply within 21 days of harvest. 		

¹ Heavy infestations of aphids might require two applications of the highest rate to achieve control. *Belay* Insecticide will not control cotton aphids in regions where insensitivity to neonicotinoid insecticides has been reported.

CUCURBIT VEGETABLES

Acorn Squash; Balsam Apple; Balsam Pear; Bitter Melon; Butternut Squash; Calabaza; Cantaloupe; Casaba; Chayote; Chinese Cucumber; Chinese Okra; Chinese Waxgourd (Chinese Preserving Melon); Citron Melon; Crenshaw Melon; Crookneck Squash; Cucumber; Cucuzza; Edible Gourd; Gherkin; Golden Pershaw Melon; Hechima; Honey Balls; Honeydew Melon; Hubbard Squash; Hyotan; Mango Melon; *Momordica* spp.; Muskmelon; Persian Melon; Pineapple Melon; Pumpkin; Santa Claus Melon; Scallop Squash; Snake Melon; Spaghetti Squash; Straightneck Squash; Summer Squash; True Cantaloupe; Vegetable Marrow; Watermelon; Winter Squash; Zucchini

FOLIAR APPLICATION

Pests	Belay Insecticide Application Rates	Special Instructions
Aphids Cucumber Beetles Flea Beetles Leafhoppers Squash Bugs Stinkbugs Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Choose lower rate for light infestation and the higher rate for heavy infestation. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not incorporate an adjuvant with this product. Do not apply treatments less than 7 days apart. Do not apply within 21 days of harvest. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

SOIL APPLICATION

Pests	Belay Insecticide Application Rates	Special Instructions
Aphids Cucumber Beetles Flea Beetles Leafhoppers Leafminers (suppression) Thrips (suppression) Whiteflies (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	Make one soil application at specified dose in sufficient carrier volume to ensure uniform application in one of the following methods: <ol style="list-style-type: none"> In a narrow band centered on the plant row in the bedding operation just prior to planting. In-furrow spray at planting directed on or below seed/transplant. As a sidedress to both sides of the row. Seeding drench or as transplant water drench. Chemigation into root zone through drip, trickle or any custom made systems that target the watering of the root zone of the plants.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Apply <i>Belay</i> Insecticide at planting. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

CRANBERRY (LOW-GROWING BERRY EXCEPT STRAWBERRY)

Bearberry, Bilberry, Cloudberry, Cranberry, Lingonberry, Lowbush Blueberry, Muntries, Partridgeberry and varieties, and/or cultivars of these

FOLIAR POST BLOOM APPLICATION

Pests	Belay Insecticide Application Rates	Special Instructions
Blackheaded Fireworm (suppression) Cranberry Fruitworm (suppression) Cranberry Weevil Flea Beetles Leafhoppers Sparganothis Fruitworm (suppression) Stinkbugs ¹ Tipworm (suppression)	4 fl oz/A (0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not incorporate an adjuvant with this product. Do not apply treatments less than 7 days apart. Do not apply within 21 days of harvest. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		
SOIL POST BLOOM APPLICATION		
Pests	Belay Insecticide Application Rates	Special Instructions
Cranberry Girdler ¹ Cranberry Weevil Flea Beetles Tipworm White Grubs	12 fl oz/A (0.2 lb ai/A)	Make one post bloom soil application as indicated below. Irrigate with a minimum of 0.2 inch of water within 2 hours of application (if rainfall occurs within the 2 hours irrigation may not be necessary). Apply specified dose to soil by one of the following methods: <ol style="list-style-type: none"> As a ground application soil spray directed to the root and crown area. As a chemigation application.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not apply within 21 days of harvest. 		

¹Except California

FIG

FOLIAR POST BLOOM APPLICATION

Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Dried Fruit Beetles Fig Scale	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	<p>Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>The amount of <i>Belay</i> Insecticide per acre will depend on tree size and pest pressure.</p> <p>Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestations and/or larger trees.</p> <p>Apply by ground 100 to 400 gallons per acre as a full coverage spray. Spray volume will depend on tree size and density of canopy. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.</p> <p>Repeat applications as needed to maintain control but do not apply more often than every 14 days. A single application may result in suppression only.</p>
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per season. Do not apply treatments less than 14 days apart. Do not apply within 7 days of harvest. Do not feed or allow livestock to graze on cover crops from treated orchards. 		

FRUITING VEGETABLES (Except Cucurbits)

Eggplant; Ground Cherry (*Physalis* spp.); Pepino; Peppers (including Bell Pepper, Chili Pepper, Cooking Pepper, Pimento, Sweet Pepper); Tomatillo; Tomato

FOLIAR APPLICATION

Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles Flea Beetles Leafhoppers Lygus/Plant Bugs Pepper Weevils Stinkbugs Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	<p>Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.</p> <p>Choose lower rate for light infestation and the higher rate for heavy infestation. For whiteflies use the higher rate.</p> <p>Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.</p>
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not incorporate an adjuvant with this product. Do not apply treatments less than 7 days apart. Do not apply within 21 days of harvest. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		
SOIL APPLICATION		
Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles Flea Beetles Leafhoppers Leafminers (suppression) Lygus/Plant Bugs Thrips (suppression) Whiteflies (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	<p>Make one soil application at specified dose in sufficient carrier volume to ensure uniform application in one of the following methods:</p> <ol style="list-style-type: none"> In a narrow band centered on the plant row in the bedding operation just prior to planting. In-furrow spray at planting directed on or below seed/transplant. As a sidedress to both sides of the row. Seeding drench or as transplant water drench. Chemigation into root zone through drip, trickle or similar custom made systems that target the watering of the root zone of the plants.
Diseases Suppressed	<i>Belay</i> Insecticide Application Rate	
Tomato Spotted Wilt Virus (TSWV)	12 fl oz/A (0.2 lb ai/A)	
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Apply <i>Belay</i> Insecticide at planting. 		

GRAPE

FOLIAR APPLICATION		
Pests	Belay Insecticide Application Rates	Special Instructions
Leafhoppers Grape Leaf Skeletonizers Japanese Beetles Multicolored Asian Lady Beetle	2 to 4 fl oz/A (0.033 to 0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control.
Sharpshooters	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	
European Grapevine Moth Grape Berry Moth Grape Mealybug Longtailed Mealybug Obscure Mealybug Vine Mealybug	6 fl oz/A (0.1 lb ai/A)	
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not apply treatments less than 14 days apart. May be applied up to harvest (0 days PHI). 		
SOIL APPLICATION		
Pests	Belay Insecticide Application Rates	Special Instructions
Grape Mealybug Grape Phylloxera spp. (suppression) Leafhoppers Longtailed Mealybug Obscure Mealybug Sharpshooters Vine Mealybug	6 to 12 fl oz/A (0.1 to 0.2 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply specified rate in sufficient carrier volume to ensure uniform application and incorporate into the soil using drip or trickle irrigation water. Make one soil application at specified dose in sufficient carrier volume to ensure uniform application using the following method: <ul style="list-style-type: none"> Chemigation into root zone through drip, trickle or any similar custom made systems that target the watering of the root zone of the plants.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not apply treatments less than 14 days apart. Do not apply within 30 days of harvest. 		

LEAFY VEGETABLES (Except Brassica Vegetables)

Amaranth (Chinese Spinach), Arugula (Rocket), Cardoon, Celery, Celtuce, Chervil, Chinese Celery, Chrysanthemum (Edible-leaved and Garland), Corn Salad, Cress (Garden and Upland), Dandelion, Dock (Sorrel), Endive (Escarole), Florence Fennel, Lettuce (Head and Leaf), Orach, Parsley, Purslane (Garden and Winter), Radicchio (Red Chicory), Rhubarb, Spinach, Spinach (New Zealand and Vine), Swiss Chard

FOLIAR APPLICATION		
Pests	Belay Insecticide Application Rates	Special Instructions
Aphids Flea Beetles Leafhoppers Whiteflies (suppression)	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Choose lower rate for light infestation and the higher rate for heavy infestation. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not incorporate an adjuvant with this product. Do not apply treatments less than 7 days apart. Do not apply within 21 days of harvest. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		
SOIL APPLICATION		
Pests	Belay Insecticide Application Rates	Special Instructions
Aphids Flea Beetles Leafhoppers Leafminers (suppression) Thrips (suppression) Trash Bugs (including earwigs, crickets, ground beetles) Whiteflies (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	Make one soil application at specified dose in sufficient carrier volume to ensure uniform application in one of the following methods: <ol style="list-style-type: none"> In a narrow band centered on the plant row in the bedding operation just prior to planting. In-furrow spray at planting directed on or below seed/transplant. As a sidedress to both sides of the row. Seeding drench or as transplant water drench. Chemigation into root zone through drip, trickle or similar custom made systems that target the watering of the root zone of the plants.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Apply <i>Belay</i> Insecticide at planting. 		

PEACH

FOLIAR POST BLOOM APPLICATION

Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Leafhoppers	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestations and/or larger trees.
Lygus/Plant Bugs Plum Curculio Scales Stinkbugs	6 fl oz/A (0.1 lb ai/A)	Apply by ground 100 to 400 gallons per acre as a full coverage spray. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre. Scales: Time applications to the crawler stage, treat each successive generation. Two applications on a 10- to 14-day interval may be required to achieve control.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not incorporate an adjuvant with this product. Do not apply treatments less than 10 days apart. Do not apply within 21 days of harvest. Do not feed or allow livestock to graze on cover crops from treated orchards. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

POME FRUIT

Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental Pear, Quince

FOLIAR POST BLOOM APPLICATION

Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Leafhoppers Plant Bugs Stinkbugs	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. The amount of <i>Belay</i> Insecticide per acre will depend on tree size and pest pressure. Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestation and/or larger trees.
Apple Maggot Leafminers Mealybugs Plum Curculio	6 fl oz/A (0.1 lb ai/A)	Apply by ground 100 to 400 gallons per acre as a full coverage spray. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre. Applications may also be made as a concentrate spray. Maintain the same amount of product per acre as a dilute application using the appropriate amount of concentrate spray volume. Repeat applications as needed to maintain control but do not apply more often than every 10 days. A single application may result in suppression only. For optimum control of Leafminers and Leafrollers, make the first application as soon as pollination is complete and bees are removed from the orchard. *For Codling Moth (First Generation): For control of first generation codling moth in areas of heavy infestation. Suppression only of second or third generation codling moth in any area. Scales: Time applications to the crawler stage, treat each successive generation. Two applications on a 10- to 14-day interval may be required to achieve control.
Codling Moth* Lygus Oblique-banded Leafroller Oriental Fruit Moth Pear Psylla Scales Stinkbugs	6 to 12 fl oz/A (0.1 to 0.2 lb ai/A)	
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not apply within 7 days of harvest. Do not feed or allow livestock to graze on cover crops from treated orchards. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

POMEGRANATE

FOLIAR POST BLOOM APPLICATION

Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Leafhoppers Mealybugs Whiteflies (suppression)	4 to 6 fl oz/A (0.067 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. The amount of <i>Belay</i> Insecticide per acre will depend on tree size and pest pressure. Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestations and/or larger trees. Apply by ground 100 to 400 gallons per acre as a full coverage spray. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre. Repeat applications as needed to maintain control but do not apply more often than every 14 days. A single application may result in suppression only.
<ul style="list-style-type: none"> • Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per season. • Do not apply treatments less than 14 days apart. • Do not apply within 7 days of harvest. • Do not feed or allow livestock to graze on cover crops from treated orchards. • <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. 		

SOYBEAN

FOLIAR APPLICATION

Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids ¹ Bean Leaf Beetles Blister Beetles Japanese Beetles Leafhoppers Lygus/Plant Bugs Stinkbugs Three Cornered Alfalfa Hopper Whiteflies (suppression)	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Apply <i>Belay</i> Insecticide in sufficient water to ensure uniform and thorough coverage of foliage. Thorough coverage is required for control. Use between 3 to 10 gallons per acre for aerial applications.
<ul style="list-style-type: none"> • Do not apply foliar treatments less than 7 days apart. • Do not apply within 21 days of harvest. • Do not make foliar applications of <i>Belay</i> Insecticide in fields treated with a neonicotinoid insecticide seed treatment(s) within 45 days after planting. • Regardless of formulation or type of application (foliar or seed treatment), do not apply more than 0.2 lb ai of clothianidin per acre per season. • Do not graze or feed soybean forage and hay to livestock. 		

¹ Applications for soybean aphid need to be targeted at or less than 250 aphids/plant. Populations over threshold might require more than one application to achieve control.

TOBACCO

FOLIAR APPLICATION		
Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Flea Beetles	3 to 4 fl oz/A (0.05 to 0.067 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established.
Tobacco Budworm (suppression) Tobacco Hornworm (suppression)	4 fl oz/A (0.067 lb ai/A)	Make application using equipment that delivers a coarse droplet spray and low pressure to prevent off target drift. Check calibration periodically to ensure that your equipment is working properly. Thorough coverage is required for control. For suppression of budworms and hornworms, make the first application as soon as eggs hatch and repeat applications as necessary to maintain suppression.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not apply treatments less than 7 days apart. Do not apply within 14 days of harvest. 		

TREE NUTS

Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Macadamia Nut, Pecan, Walnut (Black and English)

FOLIAR POST BLOOM APPLICATION		
Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Leafhoppers Pecan Nut Casebearer Pecan Weevil Walnut Husk Fly Whiteflies (suppression)	3 to 6 fl oz/A (0.05 to 0.1 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Choose lower rate for light infestation and/or small trees and the higher rate for heavy infestation and/or larger trees. Apply by ground 100 to 400 gallons per acre as a full coverage spray. Thorough coverage is required for control. To achieve optimum coverage, use proper spray pressures, nozzles, nozzle spacing and water volume per acre.
Hickory Shuckworm Lygus Mealybugs Scales Stinkbugs	6 fl oz/A (0.1 lb ai/A)	Scales: Time applications to the crawler stage, treat each successive generation. Two applications on a 10- to 14-day interval may be required to achieve control.
<ul style="list-style-type: none"> Do not apply more than 12 fl oz (0.2 lb ai) of <i>Belay</i> Insecticide per acre per season. Do not incorporate an adjuvant with this product on almond. Do not apply treatments less than 10 days apart. Do not apply within 21 days of harvest. <i>Belay</i> Insecticide must not be applied during bloom or if bees are actively foraging. Do not feed or allow livestock to graze on cover crops from treated orchards. 		

TUBEROUS AND CORM VEGETABLES

Arracacha, Arrowroot, Artichoke (including Chinese and Jerusalem), Edible Canna, Cassava (including Bitter and Sweet), Root Chayote, Chufa, Dasheen, Ginger, Leren, Potato, Sweet Potato, Tanier, Turmeric, and Yam

FOLIAR APPLICATION		
Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles ¹ Flea Beetles Leafhoppers	2 to 3 fl oz/A (0.033 to 0.05 lb ai/A)	Apply <i>Belay</i> Insecticide when target pest(s) threshold populations are observed. Do not wait until population beyond threshold has been established. Thorough coverage is required for control. Use between 3 to 10 gallons per acre for aerial applications.
<ul style="list-style-type: none"> Do not apply treatments less than 7 days apart. Do not apply within 14 days of harvest. Regardless of formulation or type of application (seed piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season. Do not apply by air except for potato. 		

¹ *Belay* Insecticide will not control Colorado Potato Beetles in regions where insensitivity to neonicotinoid insecticides has been reported. (continued)

TUBEROUS AND CORM VEGETABLES (continued)

IN-FURROW OR SIDE DRESS APPLICATIONS		
Pests	<i>Belay</i> Insecticide Application Rates	Special Instructions
Aphids Colorado Potato Beetles ¹ Corn Wireworm ² Flea Beetles Leafhoppers Potato Psyllids (suppression) Southern Potato Wireworm ² Sugarcane Beetle Sweet Potato Weevil Tobacco Wireworm ² White Grubs (including Exotic White Grub) Wireworms (except for Corn, Southern Potato and Tobacco Wireworm ²) (suppression)	9 to 12 fl oz/A (0.15 to 0.2 lb ai/A)	Timing of Application: At planting or as a sidedress on both sides of the row at ground-crack during hilling. With ground-crack/hilling application make certain product is covered with at least 3 inches of soil. Apply specified rate in sufficient carrier volume to ensure uniform application and incorporate into the soil using one of the following methods: 1. In a narrow band centered on the plant row in the bedding operation just prior to planting. 2. In-furrow spray at planting. Direct spray in the furrow on the seed pieces or potatoes. 3. As a sidedress to both sides of the row or as a spray at ground-crack directly over the row during hilling. Cover immediately with soil. Chemigation from plant emergence to 50 percent row cover. Applications via chemigation targeting above ground pests after 50 percent row cover could result in limited plant uptake via the root system. Use at least 0.15 inches of water when chemigating <i>Belay</i> Insecticide.
Diseases Suppressed	<i>Belay</i> Insecticide Application Rate	
Symptoms of: Potato Leafroll Virus (PLRV) Purple Top	12 fl oz/A (0.2 lb ai/A)	
<ul style="list-style-type: none"> Regardless of formulation or type of application (seed-piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season. 		

¹ *Belay* Insecticide will not control Colorado Potato Beetles in regions where insensitivity to neonicotinoid insecticides has been reported.

² Except California

(continued)

TUBEROUS AND CORM VEGETABLES (continued)

SEED-PIECE APPLICATION		
Pests	<i>Belay</i> Insecticide Rates/100 Lbs Seed	Special Instructions
Aphids Colorado Potato Beetles ¹ Flea Beetles Leafhoppers Potato Leafhoppers Potato Psyllids (suppression only) Wireworms (seed-piece protection only)	0.4 to 0.6 fl oz*	Seed-Piece Application: 1. Apply specified dosage as a diluted, fine spray applied over the cut or whole seed tubers. A dilution rate of 1 part <i>Belay</i> Insecticide to 3 parts water, or less, is recommended. 2. Maintain agitation of spray mixture during the application process. 3. Use a spray system that is properly shielded to prevent any spray from moving off target. Liquid-based fungicides can be applied with <i>Belay</i> Insecticide; however check compatibility before use. If using inert dusts or dust-based fungicides, apply <i>Belay</i> Insecticide first, followed by dust application.
Diseases Suppressed	<i>Belay</i> Insecticide Rates/100 Lbs Seed	
Symptoms of: Potato Leafroll Virus (PLRV) Purple Top Net Necrosis	0.6 fl oz	Apply only in areas with adequate ventilation to accommodate dry-down and in areas equipped to remove mist or dust. Plant treated seed-pieces as soon as possible after treating. * Based on seeding rate of 2,000 lbs/acre, seed-piece application rate range equals in-furrow/sidedress per acre application rate range.
<ul style="list-style-type: none"> Do not use treated seed-pieces for food, feed or fodder. Do not apply any subsequent application of <i>Belay</i> Insecticide (in-furrow, sidedress) following a <i>Belay</i> Insecticide seed-piece treatment. Regardless of formulation or type of application (seed-piece, soil or foliar), do not apply more than a total of 0.2 lbs active ingredient clothianidin per acre per season. 		

¹ *Belay* Insecticide will not control Colorado Potato Beetles in regions where insensitivity to neonicotinoid insecticides has been reported.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store in a dry place away from excessive heat. Do not store near food or feed. Store in original container only.

To close package, replace and tighten cap to form an airtight seal.

PESTICIDE DISPOSAL

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

CONTAINER HANDLING

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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Valent U.S.A. Corporation

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Form 1681-E Made in U.S.A.

EPA Reg. No. 59639-150

EPA Est. 39578-TX-01©, 67545-AZ-01®(V), 5905-GA-01®

Superscript is first letter of lot number.



NET CONTENTS 1½ GALLONS

FOR CONTROL OF LISTED SUCKING AND CHEWING INSECTS INFESTING COTTON, CRANBERRY (LOW-GROWING BERRY, EXCEPT STRAWBERRY), FRUITING VEGETABLES (INCLUDING CUCURBITS), FIG, GRAPE, LEAFY VEGETABLES (INCLUDING BRASSICA VEGETABLES), PEACH, POME FRUIT, POMEGRANATE, SOYBEAN, TOBACCO, TREE NUTS AND TUBEROUS AND CORM VEGETABLES (INCLUDING POTATO AND SWEET POTATO).

Active Ingredient	By Wt.
* Clothianidin	23.60%
Other Ingredients	76.40%
Total	100.00%

* (E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine

Contains 2.13 lbs active ingredient per gallon

EPA Reg. No. 59639-150

EPA Est. 39578-TX-01©, 67545-AZ-01©, 5905-GA-01©

Superscript is first letter of lot number.

KEEP OUT OF REACH OF CHILDREN

CAUTION

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PRECAUTIONARY STATEMENTS.**

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