



Bayer CropScience
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Baythroid® XL

EPA Reg. No. 264-840

Approval: Feb. 1, 2006 –

(Approved 01-16-07 with crops removed under dried shelled legume vegetables)

Use Directions for: Wheat, Cucurbits, Fruiting Vegetables, Leafy Vegetables, Bean and Pea, Potato (sweet), Root Vegetables, Grape, Pome Fruit, Stone Fruit, and Tree Nut

Supplemental Label

RESTRICTED USE PESTICIDE

Due to Toxicity to Fish and Aquatic Organisms

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read this label and the product package label before using this product. This Supplemental Label must be in possession of the user at the time of pesticide application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the registered product label for Baythroid® XL.

WHEAT		
PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Army cutworm Cereal leaf beetle Cutworms	1.0 – 1.8	0.008 – 0.014
Armyworm Bird cherry-oat aphid* English grain aphid* Fall armyworm (1 st and 2 nd instar) Flea beetles Grasshoppers Grass sawfly Pale western cutworm Russian wheat aphid* Southern armyworm (1 st and 2 nd instar) Stink bugs Yellowstriped armyworm	1.8 – 2.4	0.014 – 0.019
Chinch bug	2.4	0.019

Notes: Pre-Grazing or Foraging Interval: **7 days**. Pre-Harvest Interval (PHI): **30 days**.

Maximum Baythroid® XL allowed per 3-day interval: **2.4 fluid ounces/A (0.019 lbs AI/Acre)**.

Maximum Baythroid® XL allowed per crop season: **4.8 fluid ounces/A (0.038 lbs AI/Acre)**.

Maximum number of applications: **2**.

Minimum application volume (water): 10.0 GPA – ground; 2.0 GPA – aerial application.

Minimum ULV application volume (cotton seed/vegetable oil): 1.0 qt/A – aerial application.

See CHEMIGATION statement in *Application Guidelines* section of this label.

* For best control, applications must be made prior to insects damaging the plants. Use the higher rate range and increased water volume for applications occurring after plant damage has taken place or following booting in order to receive better coverage. Once damage occurs or plant growth stage reaches booting, control may be limited to suppression only.

CUCURBITS (except crops grown for seed)

Includes all members of Crop Group 9 such as, but not limited to:

Balsam apple, Balsam pear, Bitter melon, Chayote, Chinese cucumber, Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Edible gourd (includes: hyotan, cucuzza, henchmia and Chinese okra), Muskmelon (includes: cantaloupe, true cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), Pumpkin, Summer squash (includes: crookneck squash, scallop squash, straightneck squash, vegetable marrow, and zucchini) Watermelon, Winter squash (includes: butternut squash, calabaza, hubbard squash, acorn squash and spaghetti squash)

PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Cutworms Potato leafhopper	0.8 – 1.6	0.0065 – 0.0125
Armyworm Cabbage looper Corn earworm Grasshoppers Melonworm Pickleworm Rindworm Stink bugs	1.6 – 2.4	0.0125 – 0.019
Cucumber beetle Lygus bug Striped cucumber beetle Tarnished plant bug * Tobacco budworm	2.4 – 2.8	0.019– 0.022
PESTS SUPPRESSED		
Whitefly (adult)	2.8	0.022

Notes: Pre-Harvest Interval (PHI) = **0 day**.

Maximum Baythroid® XL allowed per 7-day interval: **2.8 fluid ounces/A (0.022 lbs AI/Acre)**.

Maximum Baythroid® XL allowed per crop season: **11.2 fluid ounces/A (0.0875 lbs AI/Acre)**.

Maximum number of applications: **4**.

Minimum application volume (water): **10.0 GPA – ground, 2.0 GPA – aerial application**.

See CHEMIGATION statement in *Application Guidelines* section of this label.

* See INSECT RESISTANCE statement elsewhere on this label.

FRUITING VEGETABLES

Includes all members of Crop Group 8 such as, but not limited to:

Eggplant, Groundcherry, Pepino, Pepper (includes: bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), Tomatillo, and Tomato

PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Celery leaf-tier Colorado potato beetle * European corn borer Garden webworm Potato aphid Potato leafhopper Stink bugs Tomato fruitworm (corn earworm) Tomato hornworm	1.6 – 2.8	0.0125 – 0.022
Beet armyworm (1 st and 2 nd instar) Cabbage looper Southern armyworm (1 st and 2 nd instar) Tarnished plant bug * Thrips (except <i>Thrips palmi</i>) Tomato pinworm Variegated cutworm Western yellowstriped armyworm (1 st and 2 nd instar)	2.1 – 2.8	0.0165 – 0.022
Flea beetles	2.8	0.022
PESTS SUPPRESSED		
Leafminers Pepper weevil Whitefly (adult)	2.8	0.022

Notes: Pre-Harvest Interval (PHI) for tomato = **0 days**. PHI for all other fruiting vegetables included in this section = **7 days**.

Maximum Baythroid® XL allowed per 7-day interval: **2.8 fluid ounces/A (0.022 lbs AI/Acre)**.

Maximum Baythroid® XL allowed per crop season: **16.8 fluid ounces/A (0.1315 lbs AI/Acre)**.

Maximum number of applications: **6**.

Minimum application volume (water): **10.0 GPA – ground, 2.0 GPA – aerial application**.

See CHEMIGATION statement in *Application Guidelines* section of this label.

* See INSECT RESISTANCE statement elsewhere on this label.

LEAFY VEGETABLES

Includes all members of Crop Group 4 such as, but not limited to:

Amaranth (Chinese spinach), Arugula (rouquette), Cardoon, Celery, Chinese celery, Celtuce, Chervil, Chrysanthemum (edible-leaved and garland), Corn salad, Cress (garden and upland), Dandelion, Dock (sorrel), Endive (escarole), Florence fennel, Lettuce (head and leaf), New Zealand spinach, Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Rhubarb, Spinach, Swiss chard, Vine spinach

PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Cutworms Potato leafhopper Thrips	0.8 – 1.6	0.0065 – 0.0125
Alfalfa looper Cabbage looper Green cloverworm Imported cabbageworm Saltmarsh caterpillar	1.6 – 2.4	0.0125 – 0.019
Beet armyworm (1 st and 2 nd instar) Corn earworm Diamondback moth (larvae)* European corn borer Fall armyworm (1 st and 2 nd instar) Flea beetles Grasshoppers Japanese beetle (adult) Lygus bug Meadow spittlebug Southern armyworm (1 st and 2 nd instar) Stink bugs Tarnished plant bug* Vegetable weevil (adult) Yellowstriped armyworm	2.4 – 3.2	0.019 – 0.025
PEST SUPPRESSED		
Whitefly (adult)	3.2	0.025

Notes: Pre-Harvest Interval (PHI): **0 day**.

Maximum Baythroid® XL allowed per 7-day interval: **3.2 fluid ounces/A (0.025 lbs AI/Acre)**.

Maximum Baythroid® XL allowed per crop season: **12.8 fluid ounces/A (0.10 lbs AI/Acre)**.

Maximum number of applications: **4**.

Minimum application volume (water): 10 GPA – ground, 5 GPA – aerial application.

Due to potential injury to bees, do not apply to lettuce grown for seed.

See CHEMIGATION statement in *Application Guidelines* section of this label.

*See INSECT RESISTANCE statement elsewhere on this label.

BEAN AND PEA, DRY

Includes all members of Crop Subgroup 6C such as, but not limited to:

Adzuki bean, Blackeyed pea, Broad bean, Catjang, Chickpea, Cowpea, Crowder pea, Field bean, Field pea, Garbanzo bean, Guar, Kidney bean, Lablab bean, Lentil, Lima bean, Lupin (grain, sweet, white and white sweet), Moth bean, Mung bean, Navy bean, Pigeon pea, Pinto bean, Rice bean, Tepary bean, Urd bean

(Southern pea included in separate section.)

PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Cutworms Potato leafhopper	0.8 – 1.6	0.0065 – 0.0125
Cowpea curculio* Stink bugs Tarnished plant bug*	1.6 – 2.4	0.0125 – 0.019
Bean leaf beetle Bean leaf webber Beet armyworm (1 st and 2 nd instar) Blister Beetle Cabbage looper Corn earworm Cucumber beetle European corn borer Fall armyworm (1 st and 2 nd instar) Grasshoppers Green cloverworm Japanese beetle (adult) Lygus bug Mexican bean beetle Pea leaf weevil Pea weevil Saltmarsh caterpillar Silverspotted skipper Soybean looper* Threecornered alfalfa hopper Tobacco budworm* Velvetbean caterpillar Webworm Woollybear caterpillar Yellowstriped armyworm	2.4 – 3.2	0.019– 0.025
PEST SUPPRESSED		
Pea aphid	3.2	0.025

Notes: Pre-Harvest Interval (PHI): **7 days** (minimum time between final application and threshing for seed).

Maximum Baythroid® XL allowed per 14-day interval: **3.2 fluid ounces/A (0.025 lbs AI/Acre)**.

Maximum Baythroid® XL allowed per crop season: **6.4 fluid ounces/A (0.50 lbs AI/Acre)**.

Maximum number of applications: **4**.

Minimum application volume (water): 10.0 GPA – ground, 5.0 GPA – aerial application.

See CHEMIGATION statement in *Application Guidelines* section of this label.

Do not feed treated vines or hay to livestock.

*See INSECT RESISTANCE statement elsewhere on this label.

POTATO, SWEET POTATO and other tuberous and corm vegetables:		
Includes all members of Crop Subgroup 1C such as, but not limited to: Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Edible canna, Cassava (bitter and sweet), Chayote root, Chufa, Dasheen, Ginger, Leren, Potato, Sweet potato, Tanier, True yam, Turmeric, Yam bean		
PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Cutworms Potato leafhopper	0.8 - 1.6	0.0065 – 0.0125
Cabbage looper Colorado potato beetle* Eggplant flea beetle European corn borer Potato flea beetle Potato psyllid Potato tuberworm Tarnished plant bug*	1.6 - 2.8	0.0125 – 0.022
PESTS SUPPRESSED		
Aphids	2.8	0.022
<p>Notes: Pre-Harvest Interval (PHI): 0 day.</p> <p>If more than 5.6 fluid ounces/Acre is applied, allow at least 14 days between last application and grazing.</p> <p>Maximum Baythroid® XL allowed per 5-day interval: 2.8 fluid ounces/A (0.022 lbs AI/Acre).</p> <p>Maximum Baythroid® XL allowed per crop season: 16.8 fluid ounces/A (0.1315 lbs AI/Acre).</p> <p>Maximum number of applications: 6.</p> <p>Minimum application volume (water): 10.0 GPA – ground; 2.0 GPA – aerial application.</p> <p>See CHEMIGATION statement in <i>Application Guidelines</i> section of this label.</p> <p>*See INSECT RESISTANCE statement elsewhere on this label.</p>		

ROOT VEGETABLES (except sugarbeet)		
Includes all members of Crop Subgroup 1B such as, but not limited to: Garden beet, Edible burdock, Carrot, Celeriac, Turnip-rooted chervil, Chicory, Ginseng, Horseradish, Turnip-rooted parsley, Parsnip, Radish, Oriental radish, Rutabaga, Salsify (black, Spanish, and oyster plant), Skirret, Turnip		
PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Aster leafhopper Cutworms Flea Beetle Potato leafhopper	1.6 – 2.8	0.0125 – 0.022
Carrot weevil	2.8	0.022
<p>Notes: Pre-Harvest Interval (PHI): 0 day.</p> <p>Maximum Baythroid® XL allowed per 7-day interval: 2.8 fluid ounces/A (0.022 lbs AI/Acre).</p> <p>Maximum Baythroid® XL allowed per crop season: 14.0 fluid ounces/A (0.110 lbs AI/Acre).</p> <p>Maximum number of applications: 5.</p> <p>Minimum application volume (water): 10.0 GPA – ground, 2.0 GPA – aerial application.</p> <p>Do not harvest radish tops (leaves) for human consumption.</p> <p>Due to potential injury to bees, do not apply to any of the crops listed in this section grown for seed.</p> <p>See CHEMIGATION statement in <i>Application Guidelines</i> section of this label.</p>		

GRAPE Includes: Table grape, Raisin, Wine and Muscadine grape		
PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Glassywinged sharpshooter Grape leaf skeletonizer Western grape leaf skeletonizer	1.6 – 3.2	0.0125 – 0.025
Climbing cutworm Grape berry moth Grape bud beetle Grape cane gallmaker (adult) Grape flea beetle Grape leaf folder Grape leafhopper Grape leafroller Grape mealybug (crawlers) Omnivorous leafroller Orange tortrix Thrips Variegated leafhopper	2.4 – 3.2	0.019 – 0.025
Notes: Pre-Harvest Interval (PHI): 3 days. Maximum Baythroid® XL allowed per 14-day interval: 3.2 fluid ounces/A (0.025 lbs AI/Acre). Maximum Baythroid® XL allowed per crop season: 12.8 fluid ounces/A (0.100 lbs AI/Acre). Maximum number of applications: 4. Minimum application volume (water): 50 GPA – ground, 25 GPA – aerial application. Maximum use rate is based on canopy size requiring 250 gallons per acre, if sprayed to drip.		

POME FRUIT		
Includes all members of Crop Group 11 such as, but not limited to: Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental pear, Quince		
PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Green fruitworm Potato leafhopper White apple leafhopper	1.4 – 2.0	0.011 – 0.0155
Codling moth Oriental fruit moth Spotted tentiform leafminer Stink bugs Tarnished plant bug Western tentiform leafminer	2.0 – 2.4	0.0155 – 0.019
Apple leafroller Apple maggot Ermine moth European apple sawfly Lesser appleworm Obliquebanded leafroller Pandemis leafroller Pear sawfly (larvae = pear slug) Periodical cicada Plum curculio Redbanded leafroller San Jose scale (crawlers) Tufted apple bud moth Variegated leafroller	2.4 – 2.8	0.019 – 0.022
<p>Notes: Pre-Harvest Interval (PHI): 7 days.</p> <p>Maximum Baythroid® XL allowed per 14-day interval: 2.8 fluid ounces/A (0.022 lbs AI/Acre).</p> <p>Maximum Baythroid® XL allowed per crop season: 2.8 fluid ounces/A (0.022 lbs AI/Acre).</p> <p>Maximum number of applications: 2 (at low rate).</p> <p>Minimum application volume (water): 100 GPA – ground application, 25 GPA – aerial application.</p> <p>Maximum use rate is based on canopy size requiring 400 gallons per acre, if sprayed to drip.</p>		

STONE FRUIT

Includes all members of Crop Group 12 such as, but not limited to:

Apricot, Cherry (sweet and tart), Nectarine, Peach, Plum (includes Chickasaw plum, Damson plum, and Japanese plum), Plumcot, Prune

PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Green fruitworm Lesser peach tree borer White apple leafhopper	1.4 – 2.0	0.011 – 0.0155
Codling Moth Lygus bug Oriental fruit moth Stink bugs Tarnished plant bug	2.0 – 2.4	0.0155 – 0.019
American plum borer Black cherry aphid Cherry fruit fly Obliquebanded leafroller Omnivorous leafroller Peach twig borer Periodical cicada Plum curculio Redbanded leafroller Western cherry fruit fly	2.4 – 2.8	0.019 – 0.022

Notes: Pre-Harvest Interval (PHI): **7 days**.Maximum Baythroid® XL allowed per 14-day interval: **2.8 fluid ounces/A (0.022 lbs AI/Acre)**.Maximum Baythroid® XL allowed per crop season: **5.6 fluid ounces/A (0.044 lbs AI/Acre)**.Maximum number of applications: **4 (at low rate)**.

Minimum application volume (water): 50 GPA – ground application, 25 GPA – aerial application.

Maximum use rate is based on canopy size requiring 250 gallons per acre, if sprayed to drip.

TREE NUT CROPS

Includes all members of Crop Group 14 such as, but not limited to:

Almond, Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hickory nut, Macadamia nut, Pecan, Pistachio, Walnut (black and English)

PESTS CONTROLLED	Rate fluid ounces/Acre	Rate lbs AI/Acre
Potato leafhopper White apple leafhopper	1.4 – 2.0	0.011 – 0.0155
Ants (on foliage) Codling moth Common earwig Filbertworm Leaffooted bug Navel orangeworm Pecan nut casebearer Pecan weevil Stink bugs Tarnished plant bug Twolined spittlebug	2.0 – 2.4	0.0155 – 0.019
Hickory shuckworm Obliquebanded leafroller Peach twig borer Walnut husk fly	2.4 – 2.8	0.019 – 0.022

Notes: Pre-Harvest Interval (PHI): **14 days**.

Maximum Baythroid® XL allowed per 14-day interval: **2.8 fluid ounces/A (0.022 lbs AI/Acre)**.

Maximum Baythroid® XL allowed per crop season: **2.8 fluid ounces/A (0.022 lbs AI/Acre)**.

Maximum number of applications: **2 (at low rate)**.

Minimum application volume (water): 100 GPA – ground application, 25 GPA – aerial application.

Maximum use rate is based on canopy size requiring 500 gallons per acre, if sprayed to drip.

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

or

Visit our worldwide web site at www.bayercropscienceus.com

As with any crop-protection product, always read and follow label directions.

For additional information call toll-free 1-866-99BAYER (1-866-992-2937).

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