ASSAIL® 30SC INSECTICIDE



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Acetamiprid is the active ingredient in Assail®, a Group 4A neonicotinoid insecticide designed to provide broad-spectrum control of both sucking and chewing insect pests. As a systemic and translaminar insecticide, acetamiprid moves into plant tissue and across leaf surfaces, helping protect treated crops from pests feeding on either side of the leaf. It is recognized as a reduced-risk insecticide and is widely used in fruit, vegetable, berry, and specialty crops for control of aphids, leafhoppers, whiteflies, codling moth, Colorado potato beetle, blueberry maggot, grape berry moth and many other economically important insects.

Assail® delivers fast, reliable insect control combined with excellent residual activity and crop safety. Key benefits include broad-spectrum efficacy, systemic and translaminar movement for improved coverage, strong performance against multiple insect life stages, and durability in field conditions due to its resistance to rapid breakdown from sunlight. Assail is also a valuable resistance management tool and fits well within integrated pest management (IPM) programs, helping growers protect yield and crop quality while maintaining flexibility across a wide range of crops and pest pressures.

Active Ingredient:

Acetamiprid 341 g/L

Key Crops:

Blueberries, cole crops, field peppers, field tomatoes, grapes, ground cherries, leafy brassica greens, leafy vegetables, pome fruit

Key Targets:

Aphids, Blueberry flea beetle, Blueberry maggot, Blueberry thrips, Cherry fruitworm, Cranberry fruit worm, Colorado potato beetle, White fly, Pea leafminer

IRAC Group:

Group 4A

Packaging Size:

6 x 1L

CROP	PEST	PHI	REI	RATE	ADDITIONAL INFORMATION
Blueberries (Lowbush and Highbush)	Blueberry flea beetle	8 days	12hr.	330 ml/ha	Scout both sprout and fruiting fields and apply when threshold levels have been reached.
	Blueberry maggot			280 - 330 ml/ha	Begin application when insect populations reach recognized economic threshold levels. Monitor fruiting field by placing sticky traps in the field at the beginning of July. Apply within 7 days of the first blueberry fruit fly capture.
	Blueberry spanworm			330 ml/ha	Scout both sprout and fruiting fields during spring and early summer and apply when threshold levels have been reached. Spanworms are primarily night feeders and may not be observed during the day.
	Blueberry thrips			330 ml/ha	Apply when new shoots are 0.5 – 1.5 cm tall. Repeat applications may be made at least 12 days later if required.
	Cherry fruitworm / Cranberry fruitworm			330 ml/ha	Begin application when egg hatch begins.
	Strawberry rootworm (adults)			330 ml/ha	Apply when the threshold level of strawberry rootworm adults has been reached.
Bushberries	Aphids	8 days	12hr.	115 - 175 ml/ha	Apply when threshold level is reached. Consult provincial guidelines and local extension experts. Repeat applications may be made at least 12 days later if required.
	Japanese beetle			165 ml/ha	
Brassica (cole)	Aphids	8 days	4 days	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Swede Midge			175 ml/ha	Apply sufficiently for thorough coverage. Thorough and uniform spray coverage are important to obtain optimum control. Begin applications when treatment thresholds have been reached, as determined by local monitoring.
Ground Cherry	Aphids	8 days	12hr.	115 - 175 ml/ha	Begin application when insect populations reach recognized economic threshold levels.
Tobacco	Aphids	8 days	12hr.	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. Use higher rates under heavy pest pressure.
Peppers	Aphids	8 days	12hr.	115 - 175 ml/ha	Apply sufficient spray volume for thorough coverage. Thorough and uniform spray coverage is important to obtain optimum control. Begin applications when treatment thresholds have been reached as determined by local monitoring.
	Colorado potato beetle			80 - 165 ml/ha	
Field Tomatoes	Aphids	8 days	12hr.	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
	Colorado potato beetle			80 - 165 ml/ha	
	White fly			245 ml/ha	Begin applications when whitefly adults appear prior to development of nymphs. Do not wait until heavy populations have become established. Make applications on a minimum 7-day interval as long as pest pressure continues. Whiteflies have shown a tendency to develop resistance. For resistance management purposes, alternating applications of different chemical classes reduces the potential for resistance development.
Succulent shelled pea and bean	Aphids	8 days	12hr.	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.

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Grapes	Leafhoppers, grape berry moth, japanese beetle, grape phyloxera	8 days	12hr.	165 ml/ha	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control.
Leafy Vegetables	Aphids	8 days	12hr.	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. Use the high rate under heavy pest pressure.
	Pea leafminer			175 ml/ha	Begin application when insect populations reach recognized economic threshold levels. Consult the provincial extension service, or professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area. Adequate spray coverage is essential for optimum control.
Sweet Corn	Aphids	10 days	12hr.	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached as determined by local monitoring.
Pome Fruit	Aphids	8 days	12hr.	165 - 245 ml/ha	Begin applications when treatment thresholds have been reached. Adequate coverage is essential for optimum control. Application(s) for leafminer control should initially target peak egg hatch of the first generation and must be made before larvae reach the tissue feeding stage. Use of pheromone traps in conjunction with degree days are good indicators that can be used to determine leafminer and codling moth sprays. Consult your local extension service for recommendations.
	Codling moth			245 - 490 ml/ha	
	Psylla (pear)			165 - 330 ml/ha	
	Tentiform leafminer, Leafhopper			165 ml/ha	
	Oriental fruit moth			245 - 490 ml/ha	Begin applications when treatment threshold has been reached as indicated by monitoring with pheromone traps in conjunction with degree days. Consult your local extension specialist for advice. Adequate spray coverage is essential for optimum control. The emergence of 3rd or 4th generation of OFM are less synchronized than the 1st and 2nd generations. Alternate with other insecticide for 3rd or 4th generations to delay the insecticide resistance development in the pest populations.
	Green fruitworm			245 ml/ha	Begin applications when insect populations reach recognized economic thresholds levels. Consult provincial guidelines, local extension experts, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.
	Mullein leaf bug			165 - 330 ml/ha	
	Apple maggot, european apple sawfly, plum curculio			245 - 490 ml/ha	
Potatoes	Aphids	8 days	12hr.	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached. Thorough coverage is important to obtain optimum control. Use the higher rates when the majority of the Colorado Potato Beetle population is in the adult stage and for heavy pest pressure.
	Colorado potato beetle			80 - 165 ml/ha	
Stone Fruit	Cherry fruit fly, plum curculio	8 days	12hr.	490 ml/ha	Adequate spray coverage is essential for optimum control. Apply in a minimum finished spray volume of 1000 L/ha. Use the high rate under heavy pest pressure.
	Oriental fruit moth			245 - 490 ml/ha	

Always read and follow the label directions.

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Caneberries	Aphids, leafhoppers	8 days	12hr.	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached. Use the higher rate under heavy pest pressure.
	Japanese beetle			165 ml/ha	
Strawberries	Aphids, Leafhoppers	8 days	12hr.	115 - 175 ml/ha	Begin application when insect populations reach recognized economic threshold levels Consult the provincial extension service or professional consultants or other qualified authorities to determine the appropriate threshold levels for treatment in your area. Adequate spray coverage is essential for optimum control.
	Tarnished plant bug			170 - 430 ml/ha	
Seed Alfalfa	Tarnished plant bug, alfalfa plant bug	8 days	12hr.	180 - 350 ml/ha	Apply prior to bloom up to the time when 50% of seed pods are ripe. Begin when adults and/or 4-5th instar nymphs have reached economic threshold levels for your area. Use the higher rate for heavier infestations. Application may be repeated if necessary to a maximum of 3 applications per season.
Rutabagas	Swede midge	8 days	12hr.	175 ml/ha	Begin application when insect populations reach recognized economic threshold levels. Consult the provincial extension service or professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area. Adequate spray coverage is essential for optimal control.
Asparagus	Asparagus aphids	8 days	12hr.	115 - 175 ml/ha	Begin applications when treatment thresholds have been reached. For asparagus aphids, apply to new plantings and when plants are young. For asparagus beetles, begin sampling early in the season and throughout the season. Use higher rates when the plants are larger and under heavy pest pressure.
	Asparagus beetle			165 - 330 ml/ha	

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