

BLUEBERRY INSECT CONTROL – COMMERCIAL

Insect	Material and Formulation	Dosage of Insecticides/Acre	Remarks/Precautions	Days to Harvest
BUD SWELL				
Bagworms	Sevin 80S	1 7/8-2 1/2 lb	During dormant pruning, clip off bagworm bags on blueberry plants and adjacent junipers or other trees. Destroy these bags so larvae do not hatch in June and disperse to and defoliate blueberry plants. At bud swell, begin checking plants for damaged buds or check after dusk for cutworms feeding on the buds. Spray weekly as long as bud damage is occurring or cutworms are present.	7
Climbing Cutworm	Sevin XLR	1 1/2-2 qt		7
FRUIT FEEDING INSECT PESTS OF BLUEBERRY ARE RARE IN ARKANSAS.				
PETAL FALL				
Cherry Fruitworm	Asana XL	4.8-9.6 fl oz	All 16 blueberry plantings surveyed monthly in 2009 had less than 1% berry damage by any insect pest. Remove silken nests and eastern tent caterpillars from crotch of adjacent wild cherry trees in late March or early April to prevent dispersal to blueberry planting and defoliation. Asana repels bees; do not apply within 7 days of pollination. Azinphosmethyl is for fruitworms only. Limit to two applications. Control cherry fruitworm at petal fall and 10 days later. Control cranberry fruitworm 10 and 20 days after petal fall. Scout berries for new worm damage and frass before using insecticides. Check labels for application restrictions.	14
Cranberry Fruitworm	Azinphosmethyl 50	1.0-1.5 lb		7
Eastern Tent Caterpillar	Confirm 2F	16 fl oz		14
	Diazinon AG600	25 1/2 fl oz		7
	Imidan 70W	1 1/3 lb		3
	Lannate LV	1 1/2-3 pt		3
	Malathion 5EC	2 pt		1
	Malathion 8F	1 1/2-2 1/2 pt		1
	Sevin 80S	1 7/8-2 1/2 lb		7
	Sevin XLR	1 1/2- 2 qt		7
Cherry Fruitworm	Deliver	0.25-1.5 lb	Javelin, Deliver and Entrust are OMRI approved for organic production to control cherry fruitworm, leafrollers and bagworms. The first or second week of June, check planting for newly hatched bagworms (very localized near bagworm-infested junipers or other trees) and either remove by hand or spray. Leafroller foliar damage is usually not an economic problem.	0
Cranberry Fruitworm	Javelin WG	0.5-4.0 lb		0
Bagworms	Entrust	1.25-2.0 oz		3
Leafrollers				
FIRST AND SECOND COVER				
Plum Curculio			Plum curculio adults and larvae have not been observed to damage blueberries in Arkansas.	
Fruitworms	SEE PETAL FALL			
Japanese Beetle	Admire Pro	7-10.5 fl oz	Apply by late May as soil drench by in-row chemigation followed by 0.5- to 1-inch of rain or irrigation. Do not exceed 14 fl oz per acre per season.	7
THIRD AND ADDITIONAL COVERS				
Blueberry Maggot			Blueberry maggot larvae and adults have not been observed in Arkansas.	
Japanese Beetle	Actara	4 oz	Mid-June to late July, check for foliar feeding by Japanese beetle and spray weekly as needed. Japanese beetle will feed mostly on leaves and some fruit. Scout for green June beetle feeding on fruit during July to early August. In July, check twice weekly for groups of yellow-necked caterpillars that can defoliate one or more plants. In July and later August and September, check twice weekly for groups of fall webworms defoliating limbs inside a web. Hand remove either pest from the plant and destroy. Pyganic is OMRI approved for organic production.	3
Green June Beetle	Imidan 70W	1 1/3 lb		3
Yellow Necked Caterpillars	Malathion 8F	1 1/2-2 1/2 pt		1
Fall Webworms	Malathion 5EC	1 1/2 pt		1
	Provado 1.6	6-8 oz		3
	Sevin XLR	1-2 qt		7
	Sevin 80S	1 1/2-2 1/2 lb		7
	Pyganic 1.4	16-64 fl oz		12 hours
RED IMPORTED FIRE ANTS				
ALL FIRE ANT BAITS – Apply when ants are active and soil temperature is above 60°F. Do not treat if rain is anticipated within 6 hours.				
	S-Methoprene (Extinguish)	3-5 T/mound 1-1.5 lb/A	Mound-to-mound treatment rate. Broadcast rate. This product is an insect growth regulator (IGR). Apply 3 to 4 weeks prior to harvest date of production area being treated	
	Pyriproxyfen (Esteem)	2-4 T/mound 1.5-2.0 lb/A	Mound-to-mound treatment rate. Broadcast rate.	