

Insect Management in Blackberries¹

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Several kinds of insects have been found on blackberries. If production expands, insect problems are likely to become more numerous and extensive.

Thrips are tiny insects that infest blooms and berries. Injury to fruit has been attributed to their feeding and their presence is objectionable on harvested berries. Spider mites sometimes become numerous on leaves, especially during dry weather. Caterpillars and beetles that feed on foliage have been occasional problems. Stinkbugs, plant bugs, and sap beetles may become a problem on berries.

It appears that a regular spray program may be desirable in some areas. The application of malathion at weekly intervals beginning just as the plants flush out in the spring and continued through harvest is a possibility. Apply malathion at the rate recommended for thrips. Use only the emulsifiable concentrate near harvest to avoid visible residues on harvested berries by wettable powder. See Table 1.

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Table 1. Control of Specific Pests on Blackberries.

Insecticide	Formulation	Rate/Acre	Days to Harvest
APHIDS			
carbaryl (European raspberry aphid)	80 S	1 1/4-2 1/2 lb	7
malathion	5 EC	3 pt	1
pyrenone	CS	2 - 12 oz	0
pyrethrins + rotenone (Pyrellin)	EC	1-2 pts	0
rotenone (Rotacide)	EC	1 gal	0
soap, insecticidal (M-Pede)	See label for specific directions		
FLEA BEETLES			
methoxychlor	2 EC	2 - 3 qt	14
pyrenone	CS	2 - 12 oz	0
rotenone (Rotacide)	EC	1 gal	0
LEAF SKELETONIZERS			
methoxychlor	2 EC	75 - 100 fl oz	14
spintor	2 SC	4-6 fl oz	3
LEAFHOPPERS			
carbaryl	80 S	1 1/4-2 1/2 lb	7
malathion	5 EC	3 pt	1
pyrenone	CS	2 - 12 oz	0
pyrethrins + rotenone (Pyrellin)	EC	1-2 pts	0
rotenone (Rotacide)	EC	1 gal	0
soap, insecticidal (M-Pede)	See label for specific directions		
LEAFMINERS			
rotenone (Rotacide)	EC	1 gal	0
LEAFROLLERS			
carbaryl	80 S	1 1/4-2 1/2 lb	7
pyrenone	CS	2 - 12 oz	0
spintor	2 SC	4-6 fl oz	3
MITES			
diazinon (AG 500) (dry berry mites)	4 EC	1 - 2 qts	7
dicofol (Keltane)	35 WP	1.75-3.5 lbs	2
malathion	5 EC	3 pt	1
pyrethrins + rotenone (Pyrellin)	EC	1-2 pts	0
OBSCURE ROOT WEEVILS			
malathion	5 EC	3 pt	1
OMNIVOROUS LEAFROLLERS			
<i>Bacillus thuringiensis</i>	WP	1/2- 1 lb	0
carbaryl (Sevin)	80 S	2 1/2 lbs	7
pyrenone	CS	2 - 12 oz	0
spintor	2 SC	4-6 fl oz	3
OMNIVOROUS LEAFTIERS			
methoxychlor	2 EC	2 - 3 qt	14
spintor	2 SC	4-6 fl oz	3

Table 1. Control of Specific Pests on Blackberries.

Insecticide	Formulation	Rate/Acre	Days to Harvest
RASPBERRY CROWN BORERS			
carbaryl	80 S	3 pt	1
RASPBERRY FRUITWORMS			
pyrethrins + rotenone (Pyrellin)	EC	1-2 pts	0
spintor	2 SC	4-6 fl oz	3
RASPBERRY SAWFLIES			
carbaryl (Sevin)	80 S	2 1/2 lbs	7
RED SPIDER MITES			
soap, insecticidal (Safer)	See label for specific directions		
ROSE CHAFERS			
carbaryl	80 S	1 1/4-2 1/2 lb	7
malathion (rose scale chafer)	5 EC	3 pt	1
methoxychlor	2 EC	2 - 3 qt	14
ROSE SCALES			
pyrethrins + rotenone (Pyrellin)	EC	1-2 pts	0
SPITTLEBUGS			
methoxychlor	4 EC	1 - 1 1/2 qt	14
THRIPS			
malathion	5 EC	3 pt	1
pyrenone	CS	2 - 12 oz	0
pyrethrins + rotenone (Pyrellin)	EC	1-2 pts	0
rotenone (Rotacide)	EC	1 gal	0
spintor	2 SC	4-6 fl oz	3