

INSECT MANAGEMENT 2007 AT A GLANCE

Prepared by Anne L. Averill and Martha M. Sylvia

University of Massachusetts, Cranberry Station
PO Box 569, East Wareham, MA 02538

ALWAYS READ THE LABEL and REFER TO 2007 CRANBERRY CHART BOOK

PRACTICE	RATE/A	INSECT TARGETED	NOTES
Actara*	2-4 oz	cranberry weevil, flea beetle	Do not exceed 8 oz per season, low rate works well, beware bee toxicity.
Admire Pro Admire 2F, Alias 2F	7-14 oz 16-32 oz	striped colaspis, oriental beetle	Best against just hatched larvae. Use drench Use drench application.
<i>Bacillus thuringiensis</i> based products		depending on product: gypsy moth, armyworms cutworms, spanworms	Best against early stage larvae, coverage must be thorough, combination with insecticides may control larger caterpillars.
Intrepid 2F* Confirm 2F	10-16 oz 16 oz	blackheaded fireworm, cutworms ** <i>Sparganothis</i> fruitworm gypsy moth, spanworms Cranberry fruitworm**	Insect growth regulators. Intrepid is more active and has greater residual than Confirm. However, Intrepid is restricted use and Zone II restricted.
Diazinon 50 W* Diazinon AG500* Diazinon AG600* & 5 WP	4-6 lb 4-6 pt 51-76.5 oz	fireworms, cranberry fruitworm cutworms**, flea beetle** striped colaspis**	<i>For all diazinon formulations:</i> <i>Highly toxic to birds.</i> Hold water at least 3 days, 7 day PHI, 24 hr/5 day REI, 3, 4 or 6 apps depending on product and rate.
Diazinon 14G*	21 lb	cranberry girdler	SLN 2007 + 2008, limited availability.
Flood, fall		cranberry girdler black vine & strawberry root weevil cranberry fruitworm	Sept. 20-30, hold 6 days no later than Sept. 25. 10-14 days after harvest; best if water is warm. Sept. 20-30, 3-4 weeks.
Flood, late water		CB fruitworm, southern red mite gypsy moth and cutworms	April 15-20, hold for 30 days.
Flood, summer		cranberry root & white grub	<i>Loss of crop</i> , May 12-July 20.
Imidan 70W	1.33-4 lbs	fireworms, CB fruitworm	Little or varied efficacy data available in MA.
Lorsban 4E*, Nufos 4E* & Hatchet*, Chlorpyrifos 4E AG* Lorsban 75 WG*	3 pt 2 lbs	cranberry weevil, cutworms fireworms, spanworms, <i>Sparganothis</i> & CB fruitworms	<i>Extremely toxic to fish.</i> Hold water at least 5 days, use only 2 times/season, 60 day PHI, 24 hr REI. Most populations of weevil and <i>Sparganothis</i> are resistant to Lorsban.
Nematodes		black vine & strawberry root weevil cranberry girdler	Apply in early evening in May and/or Sept. Apply 2 weeks after end of moth flight.
Orthene 97, Acephate 97UP Orthene 75S Acephate 75 WSP	1 lb 1 1/3 lb 1 1/3 lb	gypsy moth, fireworms, spanworms, cutworms,	Only 1 app per season, 90 day PHI, beware bee toxicity. 24 hr REI
Nexter	4.4-7.0 oz	southern red mite	Low-end rates usually gives excellent control, 2 apps/season, no aerial application.
Pyronyl or pyrenone	up to 12 oz	spanworms	
Sevin XLR Plus Sevin 4F & Carbaryl 4L Sevin 80 WSP & 80S	1.5-2 qt 1.5-2 qt 1.88-2.5 lb	fireworms, cutworms, gypsy moth, CB fruitworm CB flea beetle, striped colaspis	Avoid application within 10 days of start of bloom, 7 day PHI, no more than 5 app/season, 7 day application interval.
SpinTor 2SC (Spinosad)	4-10 oz	<i>Sparganothis</i> fruitworm, cutworms blackheaded fireworm, spanworms	Do not exceed 29 oz/season. Use lower rate only with good systems (6 min or better).

* Restricted Use ** FIFRA 2ee recommendation