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Cranberry Chart Book - Management Guide

Cranberry Station Outreach and Public Service Activities

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Insects

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INSECT MANAGEMENT 2009 AT A GLANCE

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ALWAYS READ THE LABEL and REFER TO 2009 CRANBERRY CHART BOOK

PRACTICE	RATE/A	INSECT TARGETED	NOTES
Actara*	2-4 oz	cranberry weevil flea beetle suppression	Do not exceed 12 oz per season, low rate works well, beware bee toxicity. No Zone II in spring.
Admire Pro Admire 2F, Alias 2F	7-14 oz 16-32 oz	striped colaspis, oriental beetle	Best against just hatched larvae. Use drench application.
Assail 30 SG	4-6.9 oz	blackheaded fireworm, S*parganothis* fruitworm gypsy moth, cranberry fruitworm	
Avaunt	6 oz	cranberry weevil blackheaded fireworm	Only for spring weevil populations. No flow through bogs, hold water 1 day.
Bacillus thuringiensis based products		gypsy moth, armyworms cutworms, spanworms	Best in low gallonage, against early stage larvae, in well-timed systems.
Delegate WG SpinTor 2SC	3-6 oz 6-10 oz	blackheaded fireworm S*parganothis* fruitworm cutworms, spanworms	Delegate is more active and has greater residual than SpinTor. Better efficacy with shorter rinse times.
		flea beetle suppression**	Delegate only.
Diazinon 50 W* Diazinon AG500* Diazinon AG600* & 5W*	4-6 lb 4-6 pt 51-76.5 oz	fireworms, cranberry fruitworm cutworms**, flea beetle** striped colaspis**	*For all diazinon formulations*: Hold water at least at least 3 days, 5 day REI 3 apps/season, 14 day spray interval except AG500 with a 7-day spray interval.
Flood, fall		cranberry girdler	Sept. 20-30, hold 6 days no later than Sept. 25. 3 days may suffice if water is warm.
		black vine & strawberry root weevil	10-14 days after harvest; best if water is warm.
		cranberry fruitworm	Sept. 20-30, may impact vines.
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	*Loss of crop*, May 12-July 20.
Imidan 70W	1.33–4 lbs	fireworms, CB fruitworm	Little or varied efficacy data available in MA.
Intrepid 2F* Confirm 2F	10-16 oz 16 oz	blackheaded fireworm, cutworms ** S*parganothis* fruitworm gypsy moth, spanworms	Insect growth regulators. Intrepid is more active and has greater residual than Confirm. However, Intrepid is Zone II restricted.
Lorsban 4E*, Nufos 4E* & Hatchet*, Chlorpyrifos 4E AG* Lorsban Advanced* Lorsban 75 WG	3 pt 3 pt 3 pt 2 lbs	cranberry weevil, cutworms fireworms, spanworms, *Sparganothis* & CB fruitworms	*Extremely toxic to fish*. Hold water at least 5 days, use only 2 times/season, 60 day PHI, 24 hr REI. Most populations of weevil and *Sparganothis* are resistant to Lorsban. Note 75 WG is not restricted.
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.
Nexter	3.5-7.0 oz	southern red mite	Low-end rate usually gives excellent control
Orthene 97, Acephate 97UP Orthene 75S, Acephate 75 WSP	1 lb 1 1/3 lb	gypsy moth, fireworms, spanworms, cutworms	Only 1 app per season, 90 day PHI, beware bee toxicity, 24 hr REI.
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.

* Restricted Use ** FIFRA 2ee recommendation