

INSECT MANAGEMENT 2009 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 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, <i>Sparganothis</i> 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.
<i>Bacillus thuringiensis</i> 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 <i>Sparganothis</i> fruitworm cutworms, spanworms flea beetle suppression**	Delegate is more active and has greater residual than SpinTor. Better efficacy with shorter rinse times. 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**	<i>For all diazinon formulations:</i> 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 black vine & strawberry root weevil cranberry fruitworm	Sept. 20-30, hold 6 days no later than Sept. 25. 3 days may suffice if water is warm. 10-14 days after harvest; best if water is warm. 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	<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.
Intrepid 2F* Confirm 2F	10-16 oz 16 oz	blackheaded fireworm, cutworms ** <i>Sparganothis</i> 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, <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. 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 1/3 lb	1 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