

2010

## 2010 Chart Book: Insect Management At-A-Glance

Anne L. Averill

*University of Massachusetts Amherst Cranberry Station, averill@eco.umass.edu*

Martha M. Sylvia

*University of Massachusetts Amherst Cranberry Station, martys@umass.edu*

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## INSECT MANAGEMENT 2010 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 2010 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 Mana Alias 4F Admire 2F, Alias 2F Widow	7-14 fl oz 8-16 fl oz 16-32 fl oz 16-32 fl 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.
Belay	4 oz	cranberry weevil	Summer applications only. High bee toxicity.
Delegate WG	3-6 oz	Cranberry fruitworm** flea beetle suppression**	Delegate only. Delegate only.
SpinTor 2SC	6-10 fl oz	blackheaded fireworm <i>Sparganothis</i> fruitworm cutworms, spanworms	Delegate is more active and has greater residual than SpinTor. Better efficacy with shorter rinse times. High bee toxicity, needs to dry on.
Diazinon 50 W* Diazinon AG500* Diazinon AG600*	4-6 lb 4-6 pt 51-76.5 oz	fireworms, cranberry fruitworm cutworms**, flea beetle** striped colaspis**	Toxic to bees. Hold water 3 days, 5 day REI. 3 apps/season 14 day spray interval except AG500 with a 7-day spray interval.
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> , mid-May to mid-July.
Imidan 70W	1.33-4 lbs	fireworms, CB fruitworm	Little efficacy data available in MA.
Intrepid 2F* Confirm 2F	10-16 fl oz 16 fl 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 and restricted.
Lorsban 4E*, Nufos 4E* Hatchet*, Chlorpyrifos 4E AG* Lorsban Advanced* Lorsban 75 WG	3 pt 3 pt 3 pt 2 lb	cranberry weevil, cutworms fireworms, spanworms <i>Sparganothis</i> fruitworm Cranberry fruitworm	<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 Oberon	3.5-7.0 oz 12-16 fl oz	southern red mite southern red mite**	Low-end rate usually gives excellent control. New label, efficacy needed.
Orthene 97, Acephate 97UP Acephate 90S and 90 Prill Orthene 75S and 75 WSP	1 lb 1.1 lb 1.33 lb	gypsy moth, fireworms spanworms, cutworms	Only 1 app per season, 90 day PHI, beware bee toxicity, 24 hr REI.
Pyronyl or pyreneone	up to 12 oz	spanworms	
Sevin XLR Plus Sevin 4F, Carbaryl 4L Sevin 80S (Solupak)	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