

2011

## 2011 Chart Book: Insect Management At-A-Glance

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## INSECT MANAGEMENT 2011 AT A GLANCE

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### *ALWAYS READ THE LABEL and REFER TO 2011 CRANBERRY CHART BOOK*

PRACTICE (AI)	RATE/A	INSECT TARGETED	NOTES
Actara* (thiamethoxam)	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.
Admire Pro (imidacloprid)	7-14 fl oz	striped colaspis, oriental beetle	Best against just hatched larvae. Use soil drench application.
Mana Alias 4F	8-16 fl oz		
Admire 2F, Alias 2F	16-32 fl oz		
Widow	16-32 fl oz		
Assail 30 SG (acetamiprid)	4-6.9 oz	blackheaded fireworm, <i>Sparganothis</i> fruitworm gypsy moth, cranberry fruitworm	
Avant (indoxacarb)	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 (clothianidin)	4 oz	cranberry weevil, flea beetle	Foliar summer app only. High bee toxicity.
Belay (clothianidin)	12 oz	scarab grubs, striped colaspis, flea beetle	Soil drench, summer only. High bee toxicity. Do not exceed 12 oz per season!
Delegate WG (spinetoram)	3-6 oz	Cranberry fruitworm** flea beetle suppression** blackheaded fireworm <i>Sparganothis</i> fruitworm cutworms, spanworms	Delegate only. Spray at night during bloom Delegate only. as long as dry by morning. Delegate is more active and has greater residual than SpinTor. Better efficacy with shorter rinse times. High bee toxicity, needs to dry on.
SpinTor 2SC (spinosad)	4-10 fl oz		
Diazinon 50 W* (diazinon)	4-6 lb	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.
Diazinon AG500*	4-6 pt		
Diazinon AG600*	51-76.5 oz		
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 (phosmet)	1.33-4 lbs	fireworms, CB fruitworm	Little efficacy data available in MA.
Intrepid 2F* (methoxyfenozide)	10-16 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.
Confirm 2F (tebufenozide)	16 fl oz		
Lorsban 4E* (chlorpyrifos)	3 pt	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.
Hatchet*, Chlorpyrifos 4E AG*	3 pt		
Lorsban Advanced*, Nufos 4E*	3 pt		
Lorsban 75 WG	2 lb		
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 (pyramite)	3.5-7.0 oz	southern red mite	Low-end rate usually gives excellent control.
Oberon (spiromefesin)	12-16 fl oz	southern red mite**	New label, efficacy needed.
Orthene 97, Acephate 97UP (acephate)	1 lb	gypsy moth, fireworms spanworms, cutworms	Only 1 app per season, 90 day PHI, except some labels allow 75 PHI - check label! Beware bee toxicity, 24 hr REI.
Acephate 90 WSP and 90 WDG	1.1 lb		
Acephate 90 Prill	1.1 lb		
Sevin XLR Plus (carbaryl)	1.5-2 qt	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.
Sevin 4F, Carbaryl 4L	1.5-2 qt		
Sevin 80S (Solupak)	1.88-2.5 lb		

\* Restricted Use \*\* FIFRA 2ee recommendation