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Cranberry Station Outreach and Public Service Activities

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Insect Management at a Glance

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INSECT MANAGEMENT 2006 AT A GLANCE

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ALWAYS READ THE LABEL and REFER TO 2006 CRANBERRY CHART BOOK

PRACTICE	RATE/A	INSECT TARGETED	NOTES
Actara*	2-4 oz	cranberry weevil, flea beetle	Do not exceed 8 oz per season
Admire 2F Admire Pro	16-32 oz 7-14 oz	striped colaspis, oriental beetle	Target immatures in soil with drench application.
Bacillus thuringiensis 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.
Confirm 2F	16 oz	blackheaded fireworm, cutworms sparganothis fruitworm gypsy moth, spanworms	Growth regulator, may take time for control, best against early stage larvae, coverage must be thorough.
Intrepid 2F*	16 oz	all above + Cranberry fruitworm**	Similar to Confirm, but improved activity, Restricted use and Zone II restricted.
Cryolite Bait	20-30 lb	black vine & strawberry root weevil	Adults must ingest product, 2 apps allowed.
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**	*For all diazinon formulations*: *Highly toxic to birds*. Hold water at least 3 days, 7 day PHI, 24 hr REI, 4 or 6 apps depending on product and rate.
Diazinon 14G*	21 lb	cranberry girdler	No aerial app allowed, limited availability.
Flood, fall		cranberry girdler	Sept. 20-30, hold 6 days no later than Sept. 25.
		black vine & strawberry root weevil	10-14 days after harvest; best if water is warm.
		cranberry fruitworm	Sept. 20-30, 3-4 weeks.
Flood, late water		CB fruitworm, southern red mite	April 15-20, hold for 30 days.
Flood, summer		cranberry root & white grub	*Loss of crop*, May 12-July 20.
Guthion 50 WSP* Azinphos-M 50W* Guthion Solupak*	1-2 lbs 1-2 lbs 1-2 lbs	cranberry weevil, fireworms *Sparganothis* & CB fruitworm	*For all Guthion: Extremely toxic to humans and fish*, Hold water at least 5 days. Guthion registration expired at end of 2005. Use up existing stocks.
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, *Sparganothis* & CB fruitworms	*Extremely toxic to fish*. Hold water at least 5 days, use only 2 times/season, rates of 1½ (aerial) - 2 pt (chemigation) give control, 60 day PHI, 24 hr REI.
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, *Sparganothis* fruitworm	Only one application per season, 90 day PHI, do not apply from 10 days prior to bloom or until all berries set, 24 hr reentry.
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	*Sparganothis* fruitworm, cutworms	Do not exceed 29 oz/season.
Entrust 80W (Spinosad)	1.25-3 oz	blackheaded fireworm, spanworms	Do not exceed 9 oz/season. Organic approved.
For both spinosad formulations: use lower rates only with good systems (6 min or better).			
Trilogy 70 EC	1% ground or 1 qt/A air	southern red mite	No chemigation. Dormant app for egg suppression.

* Restricted Use ** FIFRA 2ee recommendation