

2010

2010 Chart Book: Insect Management At-A-Glance

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INSECT MANAGEMENT 2010 AT A GLANCE

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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