

3-2013

2013 Chart Book: Insect Management At-A-Glance

Martha Sylvia

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

Anne L. Averill

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

Follow this and additional works at: <https://scholarworks.umass.edu/cranchart>



Part of the [Agriculture Commons](#), and the [Plant Sciences Commons](#)

Sylvia, Martha and Averill, Anne L., "2013 Chart Book: Insect Management At-A-Glance" (2013). *Cranberry Chart Book - Management Guide*. 159.

Retrieved from <https://scholarworks.umass.edu/cranchart/159>

This Public Service and Outreach is brought to you for free and open access by the Cranberry Station Outreach and Public Service Activities at ScholarWorks@UMass Amherst. It has been accepted for inclusion in Cranberry Chart Book - Management Guide by an authorized administrator of ScholarWorks@UMass Amherst. For more information, please contact scholarworks@library.umass.edu.

INSECT MANAGEMENT 2013 AT A GLANCE

Prepared by Anne L. Averill and Martha M. Sylvia

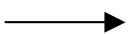
University of Massachusetts, Cranberry Station, PO Box 569, East Wareham, MA 02538

ALWAYS READ THE LABEL and REFER TO 2013 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, beware bee toxicity. No Zone II. |
| Altacor (chlorantraniliprole) | 3-4.5 oz | Cranberry fruitworm Sparganothis fruitworm blackheaded fireworm | New chemistry. Good system required for efficacy. Do not exceed 9 oz/season. Bee safe! Target eggs and small larvae. |
| 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 | |
| Avaunt (indoxacarb) | 6 oz | cranberry weevil blackheaded fireworm cutworms** | 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 tox! |
| #Belay (clothianidin) | 12 oz | scarab grubs, striped colaspis, flea beetle | Soil drench, summer only, high bee tox! Do not exceed 12 oz per season! |
| Delegate WG (spinetoram) | 3-6 oz | Cranberry fruitworm** flea beetle suppression** | Delegate only. Spray at night during bloom Delegate only. as long as dry by morning. |
| SpinTor 2SC (spinosad) | 4-10 fl oz | blackheaded fireworm <i>Sparganothis</i> fruitworm cutworms, spanworms | Delegate is more active with greater residual than SpinTor. Better efficacy with shorter rinse times. High bee toxicity, needs to dry on. |
| 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 7-day. |
| 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, spring | | cutworms | May, hold for 24 hours |
| Flood, spring | | BH Fireworm, YH Fireworm | May, hold for 48 hours |
| Flood, summer | | cranberry root & white grub | <i>Loss of crop</i> , mid-May to mid-July. |

* Restricted Use ** FIFRA 2ee recommendation #handler restrictions, check with handler before using

CONTINUED OTHER SIDE



INSECT MANAGEMENT 2013 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 2013 CRANBERRY CHART BOOK

| PRACTICE (AI) | RATE/A | INSECT TARGETED | NOTES |
|--------------------------------|-------------|--|---|
| #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**, spanworms <i>Sparganothis</i> fruitworm | Insect growth regulators: Intrepid is more active and has greater residual than Confirm. However, Intrepid is Zone II and restricted use. |
| Confirm 2F (tebufenozide) | 16 fl oz | gypsy moth, spanworms | |
| #Lorsban 4E* (chlorpyrifos) | 3 pt | cranberry weevil, cutworms | <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*, Nufos 4E* | 3 pt | fireworms, spanworms | |
| Lorsban Advanced* | 3 pt | <i>Sparganothis</i> fruitworm | |
| Chlorpyrifos 4E AG* | 3 pt | Cranberry fruitworm | |
| 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) | 1 lb | gypsy moth | Only 1 app per season, 90 day PHI Beware bee toxicity, 24 hr REI |
| Acephate 97UP | 1 lb | fireworms | |
| Acephate 90 WSP | 1.1 lb | cutworms | |
| Acephate 90 WDG | 1.1 lb | spanworms | |
| Acephate 90 Prill | 1.1 lb | | |
| #Sevin XLR Plus (carbaryl) | 1.5-2 qt | fireworms, gypsy moth, | 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 | cutworms, CB fruitworm | |
| Sevin 80S (Solupak) | 1.88-2.5 lb | cranberry flea beetle striped colaspis | |

* Restricted Use ** FIFRA 2ee recommendation # handler restrictions, check with handler before using

CONTINUED OTHER SIDE

