

# Control of insects other than fireworm

Insecticide	Fruit Worm	BVW larvae	BVW adults	Tip Worm
Admire		+	--	
Actara	--	--	+	--
Assail	+++	--	+	+
Avaunt	--	--	++	--
Belay	+++	+	++	++
Delegate	+++	--	--	--
Diazinon	++	--	--	+
Imidan	++	--	--	+
Intrepid	+++	--	--	--
Lorsban	++	--	--	++
Altacor	+++	--	--	++

-- no control, + some control, ++ good control, +++ excellent control

Green – OK to use

Red – MRL issues, not allowed in code book

# New Insecticide for 2012

- **Altacor (insecticide)**
  - 3 to 4.5 oz/ac of WDG ( 3 app/yr – max 9 oz)
  - Good fireworm and fruitworm control, so-so tipworm
  - Good efficacy with chemigation, comparable to Delegate.
  - Good “bee safe” material
  - MRLs ok
  - 1 day PHI

## Best Timing for Fungicides

- Too early – no pathogen
- Too late – pathogen already infested
  - Early rot - infections mid-bloom to early set
  - Fruit rot- infections late bloom to set
  - Storage rot – infection post- set

# What Works

	Early Rot	Fruit Rot
<b>Bravo Weather</b>	<b>++ (70-80%)</b>	<b>++</b>
<b>Bravo Ultrex</b>	<b>++</b>	<b>++</b>
<b>Abound</b>	<b>++</b>	<b>++</b>
<b>Indar</b>	<b>++</b>	<b>- to +</b>
<b>Abound + Indar</b>	<b>+++</b>	<b>+++</b>
<b>Dithane</b>	<b>+</b>	<b>++</b>
<b><i>Kocide</i></b>	<b>--</b>	<b>--</b>

WI, NJ, MA, WA data

# Fungicides for fruit rot

<b>Fungicide</b>	<b>Comments</b>
<b>chlorothalonil</b>	<b>Use after full bloom, may be phytotoxic if hot when applied</b>
<b>Abound</b>	<b>Use early bloom in combination with Indar</b>
<b>Indar</b>	<b>Use early bloom in combination with Abound</b>
<b>Macozeb/Dithane</b>	<b>Use during mid-late bloom, can inhibit color if fruit &gt;1/4”</b>
<b>Ferbam</b>	<b>Use during early bloom, moderately effective</b>
<b>Copper</b>	<b>Not useful for fruit rot control</b>

Important to rotate Fungicides for resistance management

**WI, Ma and NJ data**

- Recommendations – Curio
  - Buttercup (March – E. May 1 oz/a)
  - Yellow weed
    - E. May to E. June @ 1/2 oz/a (preferred)
    - Mid-July up to 60 days PHI @ 1 oz/a
    - Timing is critical for Yellowweed- too late and control is marginalized
    - Too high a rate during growth – possible yield reduction
  - Waiver of Liability – required for label
  - Not convinced of advantage of using with Callisto
  - Inexpensive
  - Requires surfactant

- Recommendations – Quinstar 4I (Section 18-Spring 2012)
  - Yellow Weed
    - 1<sup>st</sup> application early May to early June @ 8 oz/ac
    - 2<sup>nd</sup> application 30 Days after 1<sup>st</sup> application @ 8 oz/ac
    - Some control year one, expect best control 1 yr after treatment
  - Potential for other weeds (early post-emergence)
    - Decent control of spike rush, louse grass and yellow weed
    - Label includes: barnyard grass, bedstraw, clovers, bindweed, sowthistle, violet, cudweed
  - Safe herbicide in regards to crop damage
  - MRL issue (consult your handler for implications)

# Yellow loosestrife herbicide timing with Curio

Condition	April	May	June	July	August
Lotus & clover, thin YW	Curio			Curio	
Lotus & clover, thick YW	Curio	Curio			
Thin YW		Callisto		Curio	Curio
Thick YW- broadcast		Curio	Callisto	Curio	Callisto
Thick YW –spot treating		Curio Callisto	Curio Callisto		



# Yellow loosestrife herbicide timing with just Quinstar

Condition	April	May	June	July	August
Lotus & Clover, thin YW	Quinstar	Quinstar			
Lotus & Clover, thick YW	Quinstar	Quinstar			
Thin YW		Quinstar	Quinstar		
Thick YW- broadcast		Quinstar Callisto	Quinstar		
Thick YW –spot treating		Quinstar Callisto	Quinstar Callisto		

# Yellow Loosestrife herbicide timing with Quinstar & Curio

Condition	April	May	June	July	August
Lotus & Clover, thin YW	Curio	Quinstar	Quinstar	Curio	
Lotus & Clover, thick YW	Curio	Quinstar	Quinstar Curio	Callisto	
Thin YW		Quinstar	Quinstar	Curio Callisto	
Thick YW- broadcast		Quinstar	Quinstar	Curio Callisto	
Thick YW –spot treating		Quinstar Curio	Quinstar Curio	Callisto	

# Recommendations for yellow weed

- Treatment choice will depend on other weed species.
  - Clover, lotus, buttercup – want early Curio (March – April)
  - Grasses, St. John's wort, louse grass, spike rush – treat w/ Quinstar early post-emergent.
- Treatment choice will depend on your willingness to get a reduced \$/bbl – use Quinstar w/ or w/o Curio.
- Exact timing of Quinstar – treat when yellow weed is 2-6” high and then re-treat in a month (early May and early June).
- Other thoughts on Curio timing for yellow weed
  - Take a close look at your bed. Is yellow weed moving(1-3”) before cranberries? If so, it may be worth treating in April. Consider a follow-up in July or August if required.
  - To avoid any damage mid-season, wait until after fruit and bud set.