

Spray Bulletin Update: Entomology

Winter Fruit Schools
February 7-11, 2011

New Products

Agri-Flex SC (Syngenta Crop Protection)

- **Miticide (abamectin) + neonicotinoid (thiamethoxam)**
- **Registered for apples and pears**
- **Excellent: mites, RAA, GA, LH, pear psylla**
- **Good: WAA, PC, SB, MB, TPB, EAS**
- **5.5 – 8.5 fl oz/A from petal-fall through 1C**
- **Do not use after prebloom or through bloom (bee toxicity)**
- **Use with ≥ 1 gal/A horticultural oil in ≥ 40 gpa**
- **Maximum 2 apps/season and 17.0 fl oz/A**
- **REI = 12 hours; PHI = 35 days**

New Products

Isomate PTB Dual (CBC America)

- **Isomate LPTB and PTB replaced with Isomate PTB Dual**
- **Registered for full season, simultaneous control of PTB and LPTB in stone fruits**

Label Changes

Belay (Valent)

- Formerly known as Clutch
- Broad spectrum neonicotinoid (clothianidin) registered for pome fruit and peach (not other stone fruits)
- 2.13SC formulation
- 4.0 – 12.0 fl oz/A in pome fruit
- 3.0 – 6.0 fl oz/A in peach
- Excellent: RAA, GA, GPA, LH, STLM
- Good: PC, GFW, TPB/SB
- Seasonal maximum of 12 fl oz/A
- REI = 12 hours
- PHI = 7 days in pome fruit, 21 days in peach

Label Changes

Guthion 50WP

- Seasonal maximum reduced from 4 lb to 3 lb on apple and pear. Still 1.5 lb on cherries.

Thionex 50WP and 3EC

- Phase-out due to worker health and safety and environmental concerns will end all uses in stone fruit in 2012 (July 31), pear in 2013 (July 31) and apple in 2015 (July 31)
- Phase-out regulations will extend the REI in pome and stone fruit to 7 days (EC) and 20 days (WP)
- Annual total use of EC formulation in pome and stone fruit reduced to 3 1/3 qt/A
- Three applications/year (no more than 2 during fruiting period) in pome fruit
- Two applications per year in stone fruit

Label Changes

Zeal 72WDG

- All stone fruit added to label (previously only cherry)

Altacor 35WG

- Language prohibiting use of Altacor in combination with an adjuvant in cherries or within 60 days of harvest on pome fruits has been removed
- PHI on pome fruits reduced from 14 days to 5 days

Label Changes

Danitol 2.4EC

- Now labeled for control of cherry fruit fly in cherries

Intrepid 2F

- Label now states suppression only of codling moth at the 16 fl oz/A rate

Leverage

- 2.7SE formulation no longer available
- 3SE formulation contains a neonicotinoid (imidacloprid) and the more active pyrethroid isomer, beta-cyfluthrin

Label Changes

- BMSB added to Lannate label
- Lorsban 75WG no longer available as PF spray. This has not been changed in 2011 Spray Bulletin; please make change to chlorpyrifos write-up on page 35
- Supracide 25WP and 2E are being phased out. Distributors can sell until 2014. Growers can use until stocks are gone.

Other Changes/Comments

- **Decis (deltamethrin) removed from Spray Bulletin. Battalion remains as the deltamethrin product.**
- **Brown marmorated stink bug write-up (page 64)**
- **Replaced stink bug (SB) recommendations with generic recommendations for BMSB. Already somewhat outdated based on recent efficacy data from USDA ARS, Kearneysville**
- **Optimal DD-based spray timing recommendations for CM are likely to change, following research by a Penn State graduate student, but have not yet been included in Spray Bulletin**

Questions?