Product Profile

- Chemical class: Butenolide
- Core formulation: 200 SL
- Submission: Global Joint Review (AUS, CAN, MEX and US)
- Registration: Expected in Q4 2014 (CAN, US) & (concurrent review at CDPR) Reduced Risk designation (EPA)
- Mode of action: IRAC Group 4D (Nicotinic acetylcholine receptor (nAChR) agonist)
- Pest Spectrum: Aphids, Leafhoppers, Whiteflies, Scales, Psyllids, Scirtothrips
- Key Crops: Tree Fruit, Tree Nut & Vine crops, Vegetables, Cotton, Alfalfa
- Application Methods: Foliar and Soil
- REI: 4 hours (proposed); 12 hours (CAN, CA)
- PHI: Foliar – 0 to 14 days dependent on crop
  Soil – 21 to 45 days dependent on crop

Registration Pending

Whitefly  Scale  Psyllid  Aphid  Leafhopper
Crops

Foliar application

Trees, Nuts & Vines
- Citrus Fruits (also soil)
- Pome Fruits
- Tree Nuts + pistachios (except almonds)
- Blueberry (Bushberry)
- Low Growing Berry
- Small Fruit Vine Climbing (except fuzzy kiwifruit); (also soil)
- Hop

Broad Acre Crops
- Cotton
- Cereal Grains (except rice)
- Alfalfa, Clover
- Peanut

Vegetables
- Fruiting Vegetables (also soil)
- Cucurbit Vegetables (also soil)
- Leafy Vegetables
- Brassica (Cole) Leafy Vegetables
- Root Vegetables
- Tuberous and Corm Vegetables
- Legume Vegetables (succulent, dried)
- Prickly Pear / Cactus Pear

IR-4 and/or PMC projects

2nd tier crop submission
- Pomegranate
- Caneberries
- GH tomato, pepper, cucumber, lettuce
- Prickly Pear / Cactus Pear (soil)
- others

Registration Pending
Key Benefits

1. Flexible application window, including during bloom (Proposed)
   - *honey bee and bumble bee safety profile*

2. Compatible with Integrated Pest Management (IPM) systems
   - *minimal effects on major beneficial insects*

3. Provide effective disease mitigation due to:
   - *rapid feeding cessation*
   - *adult knockdown*
   - *control of immature stages*

4. Excellent control of NN-resistant aphid and whitefly populations

5. Xylem mobility supports foliar and soil applications

Registration Pending
Next steps

1. Registration for 1st tier crops expected in Q4 2014
   - in the US, 30 day public comment period to start soon
   - in Canada, 45 day public comment period to start soon

2. Submission of 2nd tier crops including IR-4 and/or PMC crops expected for 2015
Thank you

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