

Tree Fruit Advisor

Technical Advisor for Professional Growers

Guest Article

SWD and the 3 C's to Success

Managing Spotted Wing Drosophila (SWD) in our soft fruit crops has reminded us that there are three important things to remember when it's time to spray. There is lots of great information available about monitoring for and identifying SWD and what will work to control this pest¹. The 3 C's we'd like to add to the SWD story may be the game breakers when it comes to control: Calibration, Coverage and Compatibility!

Calibration

Check the product label(s) for the recommended spray volume per hectare. Knowing that our tractor speed, pumps, pressure gauges and nozzles are set to deliver the right amount of product per hectare is peace of mind and money saved.

Coverage

The water volume required to spray our fields changes depending on the material being applied and the growth stage of our crop. By adjusting our fan speed and nozzle openings, and using enough water throughout the growing season, we will be sure to put the spray material where it will do the job – on the crop and canopy!

Compatibility

With a new pest, we have different products required at different times throughout the growing season. The question of tank mixing comes at us regularly – what is compatible and what isn't? There is a great article on pesticide interactions and compatibility available at the Fergus County Weed Department website². Detailed instructions for the often recommended "Jar Test" are available from this source. There is also information on proper mixing order (following pesticide label directions if provided) and pre-mixing. Testing the pH of the tank mix is recommended so we will know when buffering adjuvants are required. Only one soluble or emulsifiable chemical

is recommended with any insoluble products (WPs or flowables). And finally, apply the spray soon after mixing!

Our emergency use SWD products include 2 products that are wettable granules, an EC, and an E – we will be sure to add the product to the tank in the proper order. With our 3 C's in mind, calibration, coverage and compatibility, we are on our way to a healthy crop and bountiful harvest!

Lynn Lashuk, PAg

Engage Agro – the Niche Market Specialists

References:

¹ BC Ministry of Agriculture website: www.al.gov.bc.ca/cropprot/swd_management.pdf

² Fergus County Weed Department Website: www.midrivers.com/~fergusco/weed/

Maximize Crop Health

Use Acadian to Improve Your Crop

Sometimes it is hard to focus on benefits when there are so many. But there really are many advantages to using Acadian AgriTech's Liquid Seaplant Extract. Growers have experienced and reported effects like these:

- Reduced apple drop
- Increased yield, number of fruit, fruit firmness, fruit size and diameter in apples
- Improved stem retention in cherries
- Shorter, thicker stems in cherries
- Increased fruit firmness and weight in cherries
- Improved ability to withstand drought stress



Pest Control

New Registrations for Tree Fruit

Ignite SN

A full registration was given to Ignite SN for use in cherries for control of annual grasses and broadleaf weeds. Weeds include chickweed, green foxtail, lambs quarters, stinkweed, wild mustard and redroot pigweed. Higher rates are necessary for dandelion and wild buckwheat. It works fastest in warm, humid weather conditions and is rainfast in 4 hours. The pre-harvest interval (PHI) is 14 days and the re-entry interval (REI) is 12 hours.

Assail 70WP

Assail 70WP, (active ingredient acetamiprid, Group 4), has a minor use registration for use in some pome fruits against green fruitworm, Mullein bug, apple maggot, European apple sawfly and plum curculio. The PHI is 7 days and the REI is 2 days (scouting activities) or 6 days (hand thinning).

Delegate WG

A minor use registration has been granted to Delegate WG for use in pome fruits against fruit tree leafroller, European leafroller and eyespotted bud moth. Do not apply to flowering crops as Delegate WG is toxic to bees. A maximum of 3 applications per season are allowed, with a PHI of 7 days and an REI of 12 hours.

Prowl H₂O

This new version of Prowl has a full registration for use in newly planted and established apple, peach, nectarine, cherry and apricot for control of selected annual grasses and broadleaf weeds. One application per year is allowed pre-emergent to weeds. It has an REI of 12 hours.

Spray Oil 13 E

Both an insecticide as well as a fungicide, Spray Oil 13 E has a full registration for pome and stone fruit crops for

suppression of European red mite and as a feeding deterrent in stone fruit, and for a summer spray application in apples and pears to suppress European red mites and powdery mildew. Check the label for crop-specific information. The re-entry interval is 12 hours.

Allegro 500F

A minor use registration for the fungicide Allegro 500F has been given by PMRA for use in apples against apple scab, fly speck and sooty blotch and suppression of apple red mite, rust mite and two spotted mite. It must be used on a preventative basis. Leave 3 days before entering the field to perform thinning; 24 hours for other field re-entry situations. Allegro 500F has very low contact or ingestion toxicity to beneficials.

Nutrition

Fruit Size, Colour, Flavour Challenges

Many B.C. growers are concerned about fruit size, colour and flavour in their apples, cherries and stone fruit this year. Because we have had a late spring with extended cool, cloudy weather entering into the summer we have

not had the usual cell division weather for good fruit size. Foliar phosphate during fruit cell division can significantly help fruit size but now we are beyond that phase. Now is the time to increase fruit size by increasing cell and fruit bulking. Foliar potassium applied at colour break will increase fruit size, fruit colour and flavour. Potassium increases colour and flavour but nitrogen applied at this time will reduce them. We recommend TigerClaw KDL (0-0-24), proven to be a very good tool to increase fruit bulking, increase fruit colour and sugars. It works very well in apples, cherries and stone fruit. For organic fruit growers we recommend TigerClaw Potassium 0-0-6.

Growers who get good fruit size and colour this year will have a strong marketing advantage over those who don't and will get superior returns per acre. Across the western U.S. and Canada good sized fruit with good colour will be short, so be one of the growers who can take advantage of this opportunity.



For your Viticulture and Tree Fruit inputs in the Okanagan Valley, please visit one of these locations:

Growers Supply Co. Ltd., Main Office

2605 Acland Road, Kelowna BC, V1X 7J4
Tel: 250-765-4500
Fax: 250-765-4545
info@growers-supply-co.com

Growers Supply Co. Ltd. South Okanagan

360 Okanagan Ave. East, Penticton BC, V2A 8N3
Tel: 250-493-2885
Fax: 250-493-8153
info@growers-supply-co.com

South Valley Sales Oliver

34625-91st Street, Oliver BC, V0H 1T0
Toll Free: 1-888-875-6670
Tel: 250-498-6408
Fax: 498-4022
brad@southvalleysales.com

South Valley Sales Keremeos

1813-5th Street, PO Box 372, Keremeos BC, V0X 1N0
Tel: 250-499-2900
Fax: 250-499-2960
info@southvalleysales.com



Food Safe & Effective:

FruitSize

85% Gibberellic Acid



For proven food safety, buy only registered products such as **FruitSize 85% Gibberellic Acid**, prepared for the purpose of increasing fruit size in sweet cherries.

To support our growers, for every unit bought, TerraLink pays a royalty of \$10 to the Kootenay & Okanagan Cherry Growers Association.

Available at:



South Valley Sales
Oliver: 250-498-6406
Keremeos: 250-499-2900



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Company Limited*

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Kelowna: 250-765-4500
Penticton: 250-493-2885

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