

Tree Fruit Advisor

Newsletter
June 2010

Effective Weed Control

Chateau Herbicide

New last year, Chateau WDG herbicide has proven to be a very effective weed control product in orchards, as well as grapes in the Okanagan Valley. A Group 14 product that represented new chemistry when it was introduced, Chateau WDG provides seasonal residual control of many broadleaf weeds. Growers soon found that Chateau WDG is effective, forming a "barrier", activated by rain or irrigation of at least ½ cm of water. They also found it does not affect established weeds, but can be mixed with glyphosate to control existing weeds. It must not come in contact with crop fruit, green bark or foliage, and should not be used on very young plants. The active ingredient flumioxazin is a photosynthesis inhibitor, preventing target plants from making chlorophyll by inhibiting an essential enzyme (the enzyme is called protoporphyrinogen oxidase, for those interested in unpronounceable names). It can be used effectively on coarse and medium textured soils, but will be less effective on soils with very fine texture or high organic matter.

The photo (below) of a tree fruit planting shows a comparison of an application of Chateau WDG on the left, versus another herbicide treatment on the right.



Pest Control

New Registrations in Tree Fruit Crops

Pristine WG

Powdery Mildew and scab have been added to the Pristine WG label for 2010 for use on apples. A very effective and useful product, Pristine WG has gained many new registrations on other crops since it was first introduced, including grapes and vegetables.

Intrepid 240F

A label expansion for Intrepid 240F insecticide (active ingredient methoxyfenozide) from Dow has been given by the PMRA for control of Oriental Fruit Moth (*Grapholita molesta*) in peaches. Intrepid 240F is also registered on pome fruit for a variety of lepidopteran pests.

Rimon 10 EC

The PMRA has granted a User Requested Minor Use Label Expansion (URMULE) for Rimon 10 EC insecticide (active ingredient novaluron) for control of Peach Twig Borer, Oriental Fruit Moth and OBLR in stone fruit crops. This insect growth regulator is absorbed by eggs or ingested by lepidopteran larvae, then disrupts cuticle formation when the insects go from one growth stage to the next, resulting in death at molting.

GF-120

Although not brand new, GF-120 was registered in June 2009. It is a spinosad class bait for use on apple maggot in apples. Made by Dow, GF-120 is related to that firm's other Naturalyte products Success, Entrust and Delegate. GF-120 is OMRI listed for use in organic production.

Assail 70 WP

One of the earliest neonicotinoids, Assail 70 WP gained a registration in 2009 for suppression of cherry fruit fly. This product may be of more interest now because of the advent of Spotted Wing Drosophila.

Serenade Max

Also during 2009, Serenade Max had stone fruit crops added to the label for control of brown rot. This product is known for having registrations on a wide variety of crops and diversity of diseases, making it a potentially very useful product.

Clutch 50 WDG

A Group 4A product from Valent, this insecticide gained a minor use registration in October 2009 on stone fruit crops for suppression of Oriental Fruit Moth and control of plum curculio, aphids and leafhoppers. This product is also registered for use in pome crops for aphids, leafhoppers, thrips and pear psylla.

Product Update

New TigerClaw Names for 2010

What's new for 2010? Some of your favorite liquid fertilizers under the TigerClaw brand, that's what. The formulations on some of the products were tweaked slightly and some of the names have changed. If you were using TigerClaw Calcium 4%, it is now called TigerClaw *Power-Cal* 4%. If you were using the comparable zinc product TigerClaw Zinc 6.5% Zn, this is now named TigerClaw *Power-Zn* 8%. A new name and stronger, too!



Stone Fruit and Cherry Nutrition Program

Background:

Cherries are evaluated by size, firmness, brix, shelf life and colour. For the grower to get the best pricing and returns, all of these characteristics have to be exceptional. Cherries are a short season tree fruit crop and require nutrients that have early peak demand: Zinc, Magnesium, Phosphorus and Boron must be available to the buds and nearby tissues as the trees bloom and leaf-out so as not to have a negative affect on set and size. If the peak demand window timing is missed, fruit size will begin to suffer and the value of the nutrient application will be reduced. The best approach is to apply these early peak demand nutrients pre-bloom to petal fall and again post harvest while the leaves are in good condition. Size, firmness, weight, disease resistance and shelf life can be greatly improved with bloom and post-bloom applications of Phosphorus and Calcium. Color and brix can be increased with a well-timed foliar Potassium application.



Crop Inputs for Tree Fruits can be found at 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

TerraLink Horticulture Inc.

464 Riverside Road
Abbotsford, BC V2S 7M1
Toll Free: 1-800-661-4559

Tel: 604-864-9044

Fax: 604-864-8418

www.tlhort.com

Late Bud Swell – Bud Break		
TigerClaw <i>Power-Zinc</i> 8%	1.5 L/acre	
Magnesium sulphate	8 lb/acre	
Pre-Bloom/Popcorn		
Boron (Solubor)	2lb/acre	
TigerClaw <i>Power-Cal</i> 4%	1.5 L/acre	
10-52-10	6 lb/acre	
1st Bloom		
TigerClaw Symspray 20X	500 ml/acre	or Acadian Liquid Seaweed Concentrate
TigerClaw Calcium 5%	1.5 L/acre	
Full Bloom		
TigerClaw Symspray 20X	500ml/acre	or Acadian Liquid Seaweed Concentrate
TigerClaw Calcium 5%	1.5 L/acre	
Late Bloom/Petal Fall		
TigerClaw Calcium 5%	1.5 L/acre	
10-52-10	6lb/acre	
TigerClaw Symspray 20X	500 ml/acre	or Acadian Liquid Seaweed Concentrate
Shuck Fall/Jacket Split		
TigerClaw Calcium 5%	1.5 L/acre	
TigerClaw Symspray 20X	500 ml/acre	or Acadian Liquid Seaweed Concentrate
TigerClaw <i>Power-Zinc</i> 8%	1.5 L/acre	
10-52-10	6 lb/acre	
With Fungicides/Insecticides (thru season) for firmness/diseases resistance		
TigerClaw Calcium 5%	1.5 L/acre	
First Colour for Colour and Brix		
TigerClaw KDL 0-0-24	3.25 L/acre	or K-fight @ 3L/acre
Within 3 Weeks Post Harvest		
TigerClaw <i>Power-Zinc</i> 8%	1.5L/acre	
TigerClaw Magnesium 3%	1.5L/acre	
Boron (Solubor)	5 lb/acre	
20-20-20	10 lb/acre	

TerraLink

TerraLink is proud to be a supplier to Growers Supply.



Growers Supply
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