

Vegetable Advisor

May 2011

Registrations

What's New in Pest Control?

Liberate

A brand new non-ionic surfactant, Liberate has a neutral pH and will not acidify your spray mixtures like other surfactants. Its Soybean-based components work well with systemic chemistry. Its uniform droplets promote complete coverage and retention on leaves. Odorless and low-foaming, Liberate is 100% active ingredient. Liberate will be much safer on crops especially when used with complex tank mixtures. Use at a rate of 1 – 2.5 L per 1000 L spray solution.

Prowl H₂O

A full registration has been gained by this newer version of Prowl herbicide for use on dry bulb onions for selected annual grasses and broadleaf weeds. On muck soils, 2 applications can be made, first at loop stage, second at the 2nd true leaf stage. On mineral soils one application may be made between loop and the 2nd true leaf stage. The re-entry interval (REI) is 12 hours.

Heads Up

A full registration has been given to Heads Up fungicide on potatoes for suppression of rhizoctonia (Black Scurf). Do not let mixed solutions sit more than 6 hours as product will be subject to bacterial degradation. REI is 12 hours.

Assail 70WP

One of the original neonicotinoid insecticides, Assail 70WP has a new minor use registration on sweet corn for control of aphids. Two applications per

season are allowed no closer than 21 days. The pre-harvest interval (PHI) and the REI are both 10 days.

Bravo Zn

Similar to the original Bravo 500, this Group M chlorothalonil fungicide contains zinc which improves the defense of potatoes against blight. This broad spectrum contact fungicide has a full registration, plus registered tank-mixes with Ridomil Gold 480SL for botrytis vine rot, storage rots, pythium leak and pink rot.

Betamix B EC

This old herbicide now has a minor use registration for use in table beets against a variety of broadleaf weeds. Six hours before rain is necessary for best control. the PHI is 30 days and the REI is 24 hours.

Reason 500SC

This fungicide has a minor use registration on cole crops for the suppression of downy mildew. It should be alternated with a fungicide from another group to reduce the likelihood of resistance forming. Three applications per year maximum are allowed. The PHI and REI are both 2 days.

Switch 62.5 WG

A minor use label expansion has been gained by Switch 62.5 WG for use against botrytis in crop subgroup 1B (beets, carrots, parsnip, radish and oriental radish). Two applications maximum per season are allowed, no closer than 7 days. The PHI is 7 days and the REI is 12 hours.



Spend Less on Fertilizer

Save Money with Avail®



AVAIL®

FACT: About 80% of the phosphate fertilizer you apply gets tied up by cations of aluminum, magnesium, iron and calcium.

FACT: When you use Avail®, more phosphate becomes available to plants. You could use 20% less P fertilizer. It is cheaper to use Avail® then to not use it.

How Does it Work?

Avail® improves phosphorous efficiency by creating a “shield” around phosphorous molecules to block chemical bonds occurring with the cations mentioned above.

Don't Believe It? See for Yourself!

The science behind Avail® is not based on wishful thinking. Although it has only recently been registered in Canada, Avail® has been used for several years in the USA. Many scientific independent university tests have been conducted world-wide on a variety of crops in a variety of conditions, and continue to be conducted. You can see these results by going to www.chooseavail.com, click on RESEARCH DATA, then click WEST to see research work done in climate and soil conditions like ours. Or, go back to the main page and click on SCIENCE BEHIND AVAIL and read more about how Avail® works.

Take Our Word for it. Save Money!

Rooted in your community.

TerraLink

New Technology

New Information on Acadian Extracts



Two recent scientific publications outline the benefits of Acadian Seaplants Extracts. In the first, scientific collaborators of Acadian Seaplants demonstrated that application of seaplant extracts applied to spinach enhances beneficial health properties when the spinach is consumed. In this case they discovered that antioxidant levels increased with application of Acadian, and that the benefits are associated with flavonoids (secondary plant metabolites that are yellow pigments). Also, because of an increase in antioxidants the spinach demonstrated longer storage life.

The second scientific publication focused on the results of Acadian on diseases of greenhouse cucumber. Application of liquid Acadian resulted in significant decrease of the incidence of species of alternaria, fusarium, didymella and botrytis. These studies also showed enhanced disease resistance in cucumber, likely through induction of defense-related genes or enzymes.

References:

Jayaraj Jayaraman, Jeff Norrie, Zamir K. Punja. In Press. *Commercial extract from the brown seaweed Ascophyllum nodosum reduces fungal diseases in greenhouse cucumber. Journal of Applied Phycology (2010), DOI: 10.1007/s10811-010-9547-1*

Fan, D., D.M. Hodges, J. Zhang, C.W. Kirby, X. Ji, S.J. Locke, A.T. Critchley and B. Prithiviraj. In Press. *Commercial extract of the brown seaweed Ascophyllum nodosum enhances phenolic antioxidant content of spinach (Spinacia oleracea L.) which protects Caenorhabditis elegans against oxidative and thermal stress. Food Chemistry (2010), DOI:10.1016/j.foodchem.2010.06.008.*

Helpful Tools

Check Out Our Web Site

Take a moment to check out our www.tlhort.com! Want to find a label or a Material Safety Data Sheet? Just use the search function and enter in the product name. Want to know about a specific product? Use the menu bar on the left side, or again, use the search function. Often we have links to supplier sites for more information on

Recycle your empty pesticide containers

IT'S FREE AND EASY!



RINSE

Triple or pressure RINSE

+



REMOVE

Caps and booklet, leave the label on

+



RETURN

To your local collection site

CleanFARMS™

Visit www.cleanfarms.ca
to find the collection site nearest you.



a product. We also have crop specific pages accessed by colored bars on the right. We offer technical links such as a conversion tools, regional weather or try the PMRA's new buffer zone reduction calculator. To learn more about your industry or others, visit our library of Agri Advisors and Newsletters to access current or previous publications and articles. We are one click away!

Convenient Location

Chemicals Available in Delta

Don't forget, you can buy chemicals from TerraLink by going into Roddick Fertilizers at 4119 – 40th Street in Delta. If you farm in the Cloverdale area or to the west, this may be faster for you then coming out to Abbotsford or waiting for a delivery. All herbicides, insecticides and fungicides for vegetables and potatoes are stocked there in-season, and the friendly staff can help you just like in Abbotsford. Billing of chemicals is on your TerraLink statement as normal. Come in any time, or call 604-946-8338 to order ahead and have your chemicals waiting for you.

