

# Vegetable Advisor

TerraLink Horticulture Inc.

**Avail®**  
Phosphorous  
Enhancer

Newsletter  
April 2010

## Avail Phosphorous Treatment

## Wasted Fertilizer is Wasted Money

"Make the most of your investment in fertilizer with Avail® Phosphorous Enhancer".

It's a scientific fact. Up to 75-95% of the phosphorous fertilizer you apply to your soil can be tied up and never even make it to your crop's roots. Instead, the majority gets tied up in the soil by cations – positive elements such as calcium, iron, aluminum and magnesium. This means wasted fertilizer and wasted money.

Avail® increases phosphorous fertilizer efficiency by creating a "shield" around phosphorous molecules to block chemical bonds being formed between the cations

of aluminum, calcium, iron and magnesium. This keeps more phosphorous available to your crops. The result is a potential yield increase by 10-15%.

This is not an idle claim. Avail® has been used in the Pacific Northwest of the USA for several years. Many scientific university tests have been conducted worldwide on a variety of crops in a variety of conditions. You can see these results for yourself by going to the

manufacturer's web site (SFP) at [www.chooseavail.com](http://www.chooseavail.com). You can choose to listen to testimonials by farmers, or click on "RESEARCH DATA" at the top right, then click "WEST" to access research work done in climate and soil types like ours. Then, you can choose any of the research trials and look at them for yourself. Or, go back to the main page, click on "SCIENCE BEHIND AVAIL" and read more about how Avail® works.

### AVAIL Sweet Corn – '09

Albany, Oregon – (JA), Chehalis Silty Clay Loam; pH: 5.6-5.8 Very high initial soil P level  
Sidedressed with 280 lb of urea/ac. Planted June 30, Harvested October 13

|                                  | Starter Fertilizer<br>Brand Rate/ac | Yield<br>tons/ac | Gross Margin<br>\$/ac | Avail<br>Advantage \$/ac | Benefit to<br>Cost Ratio |
|----------------------------------|-------------------------------------|------------------|-----------------------|--------------------------|--------------------------|
| 10-32-10                         | 450 lbs                             | 9.03t            | \$ 1,324.94           |                          |                          |
| 10-32-10 w/AVAIL (+\$21.00/ac)   | 450 lbs                             | 11.8t            | \$ 1,641.76           | + \$ 295.82              | 15:1                     |
| 11-28-10 w/AVAIL (+ \$ 21.00/ac) | 450 lbs                             | 9.78t            | \$ 1,435.68           | + \$ 95.45               | 5.5:1                    |

Untreated

Treated  
with AVAIL

- Ca Up to 75-95% of phosphorus fertilizer applied to the soil can be rendered unavailable to crops.
- Fe AVAIL creates a negatively charged shield around phosphorus molecules.
- Al This protects negatively charged phosphorus molecules from forming attractive bonds with other ions in the soil.
- Mg AVAIL bonds with positive ions, keeping the phosphorus free and available to the crop all season.

Increased phosphorus availability promotes higher yield potential.

Nutrients Locked Up?  
We have the key!

TerraLink

Rooted in your community.



## Introducing a New Program

# Advanced Agronomy

A Division of TerraLink Horticulture Inc.

We are adding to and improving our offering of agronomic services with TerraLink Advanced Agronomy. With this program, growers will be able to enter various data on a per-field basis, including soil test results, crop information, field scouting reports, application information of crop inputs, weather information, cultural events, and much more. Yield, expenses and other parameters can be tracked, and reports generated for use in business plans, food industry audits and other uses.

### Highlights:

- Web-based data capture and record-keeping system on a per field basis.
- All data is kept private and confidential.
- Track field histories of nutrient status, crop inputs like fertilizer, pest controls, and water use.
- Will tie in all parameters associated with the operation on a historical basis – nutrients, pests and controls, field scouting reports, cultivation events, irrigation, weather, and others.
- Fields are geo-referenced.
- Reporting ability – expenses, nutrient use and management practices, GAP, due diligence, cost of production, manure management, many other possibilities.

### New Registration

## Integrity: New Herbicide for Sweet Corn

**INTEGRITY™**  
POWERED BY KIXOR™ HERBICIDE

**NEW**

Weeds that emerge with the crop or shortly thereafter, cause greater yield loss than weeds emerging at a later stage of crop growth. If weeds are not controlled in corn before the 3 to 4 leaf stage of growth, rapid and irreversible yield loss occurs, even if weeds are controlled for the remainder of the growing season.

New from BASF, Integrity will control grass and broadleaf weeds in sweet corn. Although it can be applied as pre-plant incorporated (PPI), the most common and simplest way to use Integrity is as a pre-emergence application

following planting. Unlike Primextra, Integrity will burn any corn tissue which has already emerged. If applied at early spike stage and the corn becomes burned, it will be set back but should recover. Therefore, it is best applied prior to corn emergence. One quarter inch of rain will make the soil moist enough for Integrity to work well. Integrity will control barnyard grass, chickweed, lambs quarters, wild mustard, black nightshade, redroot pigweed, shepherd's purse, smartweed, buckwheat and others. Most crops can be planted following Integrity after an 11 month delay following application in mineral soil. To delay resistance, rotate Integrity with other herbicides from Groups 14 and 15.

### What's New in Pest Control

## New Registrations in Vegetables

### Chateau WDG

**CHATEAU**

New last season, Chateau WDG is registered in potatoes, dry bulb onions and asparagus to control broadleaf weeds such as black nightshade, redroot pigweed and lambs quarters. The Group 14 active ingredient flumioxazin is a photosynthesis inhibitor, preventing target plants from making chlorophyll by inhibiting an essential enzyme. Applied as a pre-emergence activated by at least a half cm of rain or irrigation, Chateau WDG provides superb residual control of susceptible germinating weeds. Do not apply on fine textured soils or high organic matter soils. Do not contact with crop foliage.

### Matador 120 EC

**Matador™**

A label expansion of Matador 120 EC has been registered for control of Bean Aphid, Pea Aphid and Soybean Aphid on Crop Group 6. This group is legume vegetables, including crops such as beans, edible-pod peas, snow peas, sugar snap peas, garden peas and others. It also covers field peas and broad beans. A tank mix with Quadris is on the label too.

### Actara 25 WG

**Actara™**

25 WG, for the control of aphids in fruiting vegetables such as eggplant, tomato and peppers.

Crop Group 8 benefits from a label expansion for Actara



### Admire 240

A minor use registration has been granted to Admire 240 for control of Green Peach aphids and other aphids in Crop Group 4B. This includes crops such as rhubarb, Swiss chard, celery and fennel. This

is for a soil drench application as imidacloprid works through the roots.

### Pristine WG



Here are some additions to the label of this effective fungicide: suppression of Septoria and Cercospora leaf spots on celery, suppression of downy mildew on spinach, suppression of Sclerotinia rot and blight on spinach, Swiss chard, rhubarb, fennel and celery.

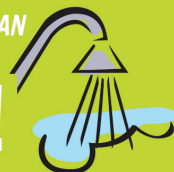
### Dual II Magnum



Dual II Magnum has received a label expansion for use in peppers and mustard greens plus a minor use for application on carrots.

They have to be **CLEAN**  
to be recycled, so

**RINSE!**



They have to be **CLEAN**  
to be recycled, so

**REMOVE!**



Return them **ALL**. You  
will make a difference.

**RETURN!**



**RINSE, REMOVE + RETURN**  
– it's that simple.

[www.cleanfarms.ca](http://www.cleanfarms.ca)