

Potato Advisor

TerraLink Horticulture Inc.

Summer 2013

ENGAGEAGRO presents:

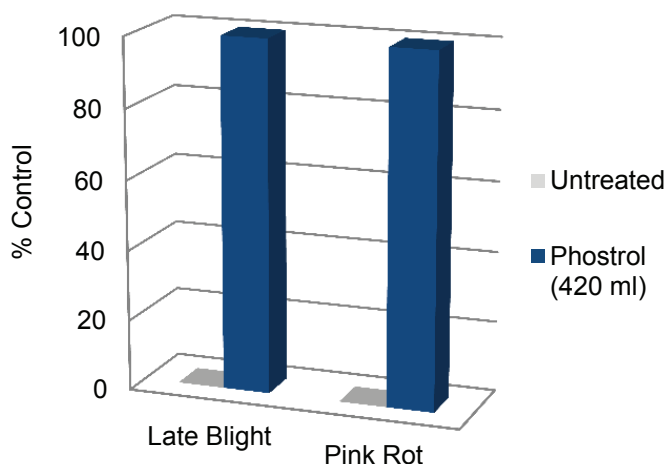


Post Harvest Control of Pink Rot & Late Blight with

PHOSTROL®

How much time and money did you spend growing your potato crop this season? Don't let a late blight or pink rot storage infection rob you of your hard earned yield. **Protect your investment with PHOSTROL**, the only post harvest fungicide offering control of late blight and pink rot.

Post Harvest Potato Application
(77 Days in Storage)



One of the very few phosphorus acids labeled as a fungicide, PHOSTROL provides effective preventative protection. It is fully systemic, moving throughout the entire plant for complete protection.

What gives PHOSTROL the advantage over other post harvest fungicides? The combination of three distinct phosphite ions that are unique to PHOSTROL, resulting in:

- **Control for pink rot and late blight**, not suppression
- **Improved availability** of active ingredient to combat disease and protect tubers while in storage
- **Proven performance** in the United States and around the world.

Maximize your Protection

The following chart compares dilution of PHOSTROL in different water volumes:

Products (Dilution Ratio)	2 L of Spray Solution		Added to 2 L of Water	
	Product Rate	Water	Product Rate	Water
Phostrol (1:5.76)	347 ml	1653 ml	420 ml	2000 ml

Rooted in your community.

TerraLink

Pest Control

New Registrations in Potatoes

These products received registrations on potatoes in the past several months:

Vertisan fungicide

A Group 7 product from Du Pont, Vertisan contains the active ingredient penhiopyrad. It has a full registration in potatoes for suppression of early blight and grey mold. A broad spectrum, locally systemic fungicide with curative properties, Vertisan can be used at 0.5 – 0.6 L per acre, with an accumulated maximum of no more than 2 L per acre per season. It has a re-entry interval (REI) of 12 hours and a pre harvest interval (PHI) of 7 days.

Closer SC insecticide

A new product from Dow AgroSciences, Closer SC insecticide, active ingredient sulfoxaflor, was registered in potatoes for control of aphids. This Group 4C chemical is systemic and translaminar, fast acting and residual. Be very careful as it is toxic to honey bees. A maximum of 2 applications per season at a rate of 20-60 mL per acre are allowed. The PHI is 7 days and the REI is 12 hours.

Entrust SC insecticide

This is a revised formulation of an already-registered product. Dow introduced Entrust SC to replace Entrust 80W. This is one of the Group 5 Naturalyte class chemicals containing the active ingredient spinosad. Created through the fermentation of living organisms like its cousin Success 480, Entrust SC is environmentally safe and fits well into Integrated Pest Management (IPM) programs. It is an effective control for many lepidopteran pests. It has a REI of 12 hours in potatoes.



Potato Variety Field Day

Join us at the 2013 Potato Variety Field Day in Delta (Burr Farms) on August 27th. Visit the plots planted with approximately 44 different varieties; mingle with suppliers and potato farmers of the area.

Chemical News

The Demise of Diazinon

The active ingredient diazinon is coming to the end of its life. And what a long life it has had. Developed in 1952, Ciba-Geigy created diazinon as a replacement chemical for the insecticide DDT. Diazinon is in the organophosphate chemical class, the cholinesterase inhibitors. Cholinesterase is an enzyme essential to normal nerve function in insects as well as humans.

For several years, the Pest Management Regulatory Agency (PMRA) has been reviewing all the registered organophosphates. One by one the registrations have been cancelled, as long as producers have other, newer chemicals to replace them. This is the schedule for the cancellation of all brands, formulations and sizes of the active ingredient diazinon:

- De. 31, 2014: manufacturing of diazinon ceases.
- December 31, 2015: diazinon no longer available from retailers.
- December 31, 2016: illegal to apply diazinon past this date.

So there is no rush. However, producers are advised to think about crop programs, what products may be used to replace diazinon, and what effects might be expected from using replacements. For example, if your only options are biological pesticides, keep in mind the replacement products may not control insects as quickly as diazinon, or may be registered to suppress as opposed to control insect pests.

If you have questions regarding replacement products for a diazinon product, make sure to ask the staff at TerraLink for help.

References:

- 1) <https://en.wikipedia.org/wiki/Diazinon>. (July 17, 2013).
- 2) Handbook for Pesticide Applicators and Dispensers. BCME, 2005.

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

Convenient Location

Chemicals Available in Delta

Don't forget, you can buy chemicals by going into TerraLink Delta (formerly known as Roddick Feed Farm & Garden) at 4119 – 40th Street in Delta which may be faster for you then coming out to Abbotsford or waiting for a delivery. All herbicides, insecticides and fungicides 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 them at 604-946-8333 to order ahead and have your chemicals waiting for you.