



Your Crop Production Partners™

(/)

13°C

Full Forecast (<http://www.theweathernetwork.com/weather/caon0383#pagetitle>)

London, ON  
As of: Jun 24th, 2015

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## Agromart News

**November 27th, 2014 (/news/ACC-GM-announcement-)** - the Agronomy Company of Canada announces new General Manager

**October 15th, 2012 (/news/Mike-Talsma-Retirement)** - After 45 years with the Agromart Group, Mike Talsma has anno...

**October 9th, 2012 (/news/Coop-Fertilizer-Plant)** - La Coop Federee and IFFCO Canada, in collaboratio...

**More Agromart News (/news)**

## Crimson - Water Conditioner For Use With Glyphosate

### Crimson™ – Add value to your glyphosate application

#### What's in your spray tank water?

Where you live and where you extract your spray water can greatly affect the performance of certain chemicals in your spray tank. Water hardness is primarily determined by the amount of calcium and magnesium cations that are in your water. These two elements are what cause scale to build up on faucets, coffee makers and tea kettles. The harder your water, the more calcium and magnesium you have in solution. Unfortunately for farmers and professional spray applicators, those same ions that ruin so many coffee makers can also take their toll on the field performance of chemicals such as glyphosate. When glyphosate comes into contact with these cations, it reacts to form a new calcium/magnesium glyphosate salt that is much less soluble and becomes harder for a plant to absorb. As your water gets harder, more and more of your glyphosate gets tied up and is not available for your plants.

#### How do I know how hard my water is?

Municipalities from across the province are responsible for reporting their water data monthly; however,

## Latest Tweets

State Legislatures Pass on Adopting GMO-Labeling Policies This Year

<http://t.co/7YdkbNcNcK>  
(<http://t.co/7YdkbNcNcK>)

RT @cropdoc2

(<http://twitter.com/cropdoc2>) : Prolonged saturated soil will permanently impact corn performance. Photo: Elora RS, 8" of rain in June. <http://t.co/DPyeYzX...>  
(<http://t.co/DPyeYzX...>)

@agromartgroup on Twitter

(<http://www.twitter.com/agromartgroup>)

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## Fertilizer Market Update

this may not be of much value to you. Ground and surface water sources can have drastically different hardness levels from that of the municipal source. Samples can be sent to certified labs; however, the results are not always timely. One simple strategy is to test your water using an inexpensive aquarium water hardness test kit (sometimes called a General Hardness (GH) test kit), available at most pet stores. A small sample of water is added to the vial/collection cell and drops are then added until a colour change occurs. By counting the number of drops and multiplying by a conversion factor, you now have your water hardness level.

### What does this number mean?

Numbers for hardness can be classified into several categories:

0 to 60 ppm soft

61 to 120 ppm moderately hard

121 to 180 ppm hard

> 180 ppm very hard

For much of the water found throughout southern Ontario and the Maritimes, hardness levels are rated as being very hard, reaching as high as 1500 ppm throughout some areas.

### What do I do now?

Many growers have been told to simply add more glyphosate when they have heavy perennial weeds, or when they use very hard spray water. Chemical inputs are expensive and there are many good reasons why we should not be using more chemicals than needed. A more cost effective solution is to add a product such as Crimson™ to your glyphosate tank mix. Crimson™ is a patented, concentrated ammonium sulfate replacement product with powerful water conditioning properties from The Agromart Group.

### What can Crimson™ do for me?

Using properly conditioned water in a spray tank is key to maximizing the performance of agricultural

chemicals. Rather than settling for less than optimum glyphosate performance, using Crimson™ will insure that every drop of glyphosate you add to your tank performs as it is supposed to. The novel technology within Crimson™ also insures that the plant will readily absorb the product applied. Because Crimson™ is concentrated, you do not have to mix dusty granular products and with lower use rates than liquid AMS, you also save on transportation and handling costs.

**What rates shall I use Crimson™ at?**

Crimson™ water conditioner is used at 1 to 1.5 Liters per 100 Liters of spray solution. The standard rate is 1.25 Liters per 100 Liters spray solution for areas where 0.5 – 1 Kilogram per 100 Liters of ammonium sulfate is required. Depending on water hardness and weed pressure, rates may have to be adjusted up to 2 Liters per 100 Liters of spray solution.

**Can Crimson™ be used with chemistry other than glyphosate?**

Yes. Crimson™ water conditioner can be used with products that recommend the addition of AMS.

Crimson™ is ideally suited for weak acid chemistry. Although glyphosate is the most well known in this class, other chemistries such as: paraquat (Gramoxone), bentazon (Basagran), sethoxydim (Poast/Vantage), glufosinate (Liberty), Imazethapyr (Pursuit), Fluazifop (Venture L), dicamba, 2,4-D Amine & MCPA Amine (many products) as well as numerous insecticidal soaps are all negatively affected by hard water. When mixing these products in hard water, Crimson™ water conditioner will insure that these products perform as you expect them to.

Farmers are always looking for ways to help them maximize their profitability and you demand the best for your farm. The Agromart group is committed to bringing you products and services that help you farm better. Crimson™ will ensure that you get the most out of your glyphosate application, regardless of spray water and weed pressure!

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