

CONNECTIVITY™

NEWS FOR THE CANADIAN ProVM MARKET

ARE YOU WINTER READY?

As our spraying season draws to a close across Canada applicators should take the time to prepare spray equipment and any remaining pesticide supplies before we enter the sometimes long months of snow and ice. There are a few key steps to get ready; cleaning sprayers thoroughly, draining any pesticide residuals from your tanks and lines, decontaminating your sprayers and inspecting the components. Here are some helpful tips to guide you which could save you from having to make costly repairs or replacements.

RINSING AND CLEANING SPRAYERS

First, you should wash your sprayer, both on the outside and inside the spray tank. Spray tanks and lines should be rinsed by circulating water through the spray system. Add water up 10% of the spray tank capacity and spray it on a properly labelled site. Be sure to rinse the entire inside of the spray tank while adding the water to the tank to remove any residuals that could be on the inner walls of the tank. Many pesticide products also recommend using a select tank cleaning agent, most of which are available from Univar.

Tank cleaning agents work in a variety of ways including 1) the addition of ammonia to raise pH of the rinsate solution to increase water solubility, 2) addition of chlorine bleach to increase the breakdown of many pesticide products into inactive compounds, 3) addition of fuel or kerosene for removing oil soluble pesticides including esters and emulsified concentrates. **IMPORTANT SAFETY NOTE: Bleach should never be mixed with ammonia as this can create a deadly chlorine gas.** When using fuel or kerosene in the cleaning process you will need to follow it up with a detergent rinse to remove oily residue. Cleaning agents should be washed through the entire system and then followed by rinsing the system again with clean water. It is critical that all rinsate be sprayed on a site that is on the pesticide product label or it can be collected into containers and disposed of as pesticide waste.

Nozzles, screens and strainers should be removed and cleaned separately in a bucket containing water and the recommended cleaning agent once tanks have been cleaned.

* ALWAYS READ AND FOLLOW PESTICIDE PRODUCT LABEL CLEANING INSTRUCTIONS. IF SPECIFIC CLEANING PRODUCT TYPES ARE NOT SPECIFIED ON THE PRODUCT LABEL CONSULT AN EXPERT FOR ADVICE ON WHAT TYPE TO USE.

FINAL INSPECTION

It is good practice to inspect all of your nozzles, screens, valves, hoses and tanks for wear and damage after cleaning and rinsing your sprayer. Instead of waiting until the spring, this proactive approach will help you understand what, if any, repairs need to

be made to have you ready for next season. Time is something that we all value highly, so use it wisely and identify and even tackle any potential problems now instead of in the spring when you want your equipment in full operational mode.

PROTECTING YOUR PUMPS

To protect sprayer pumps and lines from corrosion and freezing damage over the winter months circulate antifreeze through the entire spray system. The most common practices are to use

either a 50/50 mix of antifreeze and water, or use a pre-mixed RV antifreeze which is formulated to dispose of easily. The antifreeze should be pumped through the system for at least 5 minutes, it can be recirculated by catching it in containers and putting it back into your tank to save on the total volume required.

Then, with the antifreeze mixture still in the system remove some of the components:

- Remove pressure gauges, and check valves, then plug or cap the assemblies. Store them in a marked container at room temperature over the winter to avoid damage from freezing temperatures.
- Remove nozzles and screens, then plug or cap the assemblies. Place these in marked containers filled with a lightweight oil such as diesel fuel or kerosene for protection.

By properly plugging or capping the assemblies the remaining antifreeze in your system will ensure that lines don't freeze or crack. Antifreeze should remain in the system throughout the winter months to avoid air moisture from corroding internal components of the sprayer. Store your sprayers in a sheltered location away from any liquid or dry fertilizers which could corrode paint and hardware.

Take care of your assets this fall, it will help you come spring.

This message is brought to you by

Univar Environmental Sciences





HOT NEWS

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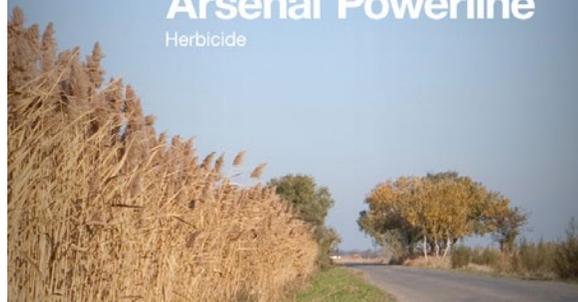
Talk to your Univar sales representative or register for premier services on ProVMWeb.com and post a [classified ad](#). You can buy or sell used equipment, post help wanted or work needed ads, and it's all free of charge for purchasing customers.

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Monthly Promotions



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DOUBLE DOWN ON GARLON RTU THIS FALL

Garlon RTU extends your brush control application window, take advantage of double points on all purchases this September and October. Want to learn more about Garlon RTU application? Watch the video series on ProVMWeb.

Also, don't forget you can always check out all of the on-going industry product promotions in the Promotions Section of ProVMWeb.com



Pests in the News

[Weed control must be taken seriously - Wild Parsnip](#)

Noxious weeds are more than an inconvenience. They can cause damage and loss to crops, seriously affect livestock, invade natural environments...

[Help protect nature by stopping the spread of weeds](#)

This time of year is beautiful in the Edmonton region. The sun is shining (for the most part) and all of our gardens are in full bloom, but did you know that you could be harbouring an invasive plant in your garden?

[OFA calls on Ontario for wild parsnip control](#)

The Ontario Federation of Agriculture is calling on the provincial government to help control the spread of noxious wild parsnip. "Wild parsnip is a serious concern for farmers right..."

[Keeping the weeds out of Macdonald](#)

Weed supervisor Michelle Ammeter's trained eye can zero in on a patch of ox-eye daisy or spotted knapweed as she drives through the RM of Macdonald. "Something unusual..."

[Cut and Spray: City turns to wet blade technology to control noxious weeds](#)

The ongoing spread of noxious weeds around the City of Kingston is prompting staff to try new technologies to control it...

[Burned by giant hogweed](#)

Giant hogweed is a towering, impressive, beautiful, and very nasty plant. Meghan Grguric is fascinated by the weed, and has the scars to prove it...

[Russian olive continues march in southern Manitoba](#)

Abandoned field overgrown with Russian olive trees that have arisen from seeds dropped by birds...

[3 Things you should know about herbicides](#)

GMO Answers , Opinions expressed by Forbes Contributors are their own. Like all agrichemicals, products containing glyphosate are regulated by the EPA....

Upcoming Events

[OVMA Annual Conference](#)

Sault Ste Marie - September
20-21, 2016

[AVMA Conference & AGM](#)

St Johns NL
October 12-14, 2016

[Ontario Invasive Plant Council Field Tour and AGM](#)

October 25, 2016

[IVMA of BC Biennial Conference](#)

Prince George,
November 8, 2016

Industry News

[Reversing cosmetic pesticide ban?](#)

The relatively new Progressive Conservative government unveiled an email and online survey where Manitobans can weigh in on the ban...

[Edmonton Council Powers Up To Control Tree Removal On Your Property](#)

That big old tree on your property might soon need a permit if you want to...

[Research & Demonstration Plots - T&D World Magazine](#)

It is extremely difficult to gain public and environmental acceptance for the introduction of herbicides to a program...

[Stop Spraying New Brunswick blames deer population decline on herbicides](#)

A group in New Brunswick says there's a link between herbicide spraying...

[County weed inspectors deploy new tool - Rocky View County](#)

Rural weed inspectors have a new weapon in their arsenal. Rocky View County, which borders Airdrie...

[Edmonton postpones herbicide treatment for Terwillegar off-leash dog park](#)

SEE LINK FOR VIDEO COVERAGE. A standoff between the city...

[Alberta Vegetation Managers - Health Canada compliance checks are coming](#)

A message from the PVMA. We received a request from Health Canada that Pesticide Compliance Officers are going to be conducting inspections in Alberta this summer...

Check out our new Equipment Catalog

For more information you can contact our Equipment Specialist or your local area rep

[or Click Here to View the Catalog](#)

