



NORTH DAKOTA WEED CONTROL ASSOCIATION NEWSLETTER

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Upcoming Meetings @ Seven Seas in Mandan

BOD Meeting June 24th, 9:00 am

Annual Conference @ Seven Seas

January 6—8, 2015

PRESIDENT’S REPORT

Dear members of the NDWCA,

Here we go again, another season is upon us and with any luck you find yourself in the field spraying on the day you get this newsletter. This has been a very slow spring and growing season, but as always the weeds will grow.

Some of you were able to attend the sprayer schools put on by the education committee at the end of May. As always the information was good and informative. It is a very good refresher for those of us who have been in the game awhile and I believe if we are attentive, we will pick up one more tidbit of information that can make your county weed control program run smoother or more efficiently. It is also a

great way to cover many safety issues that everyone should be concerned about. To the education committee, keep up the good work.

There are many issues that are affecting the western counties, including the movement of building material and equipment, land being disturbed for the construction of pipelines, pads for oil rigs and areas for rail spurs. Finding the personnel to do the work and keeping them safe is also a challenge.

The issue of recycling of chemical jugs has been discussed for the past two years at the convention. I have visited with a couple of county weed officers from across the state and they have discovered that recycling is available in their local communities. I have personally discovered this option available in Valley City. They were very cooperative and interested. Make sure to check with anyone locally that recycles, you might find recycling is closer than you think.

Please make sure to be aware of the public perception of those of us in weed control. Work as the professionals that you are and be safe.

Have a successful season and we will talk to you later in the fall.

2014 NDWCA President

Jim McAllister

NEWSLETTER BY EMAIL

In order to cut costs with rising printing costs and higher postage prices, we are trying to send as many by email as we can, unfortunately between the last newsletter and this one, we have had email difficulties and all email addresses were lost. Bear with us, and if you received this by hardcopy and would like it by email, send me an email and it will be corrected.

EXECUTIVE SECRETARY CORNER

As you see in this newsletter it is quite full. That is my goal, to keep it informative for you. Have a great summer season. Merlin

NAISMA Report

Web site WWW.NAISMA.ORG

NAISMA Annual Meeting in FARGO, ND

The NAISMA annual meeting is coming up in Fargo on the 29th and 30th of September and the 1st of October. This meeting will be held in Fargo at the Holiday Inn. We are expecting very good speakers with topics that range from research on the development of noxious weeds to the science of biological control to the advancement of aquatic nuisance species along with a tour of the NDSU research facilities. We hope many people from North Dakota will be able to attend. More information will be sent out as the agenda and hotel arrangements are finalized. Keep these dates in mind and plan on attending.

Derrill Fick, NAISMA Board Member

Education Committee Report

The sprayer schools went very well this year. They were held in Dickinson, Stanley, Devils Lake and Jamestown. We had 110 participants total. This was a mix of agency and county people. Most of the agency people were new summer hires or employees in their position a year. The county people were new hires but there were county veterans there making sure they were caught up on the latest laws and programs. I would like to thank all of the participants that helped us with these schools; The ND Department of Agriculture Pesticide Division for updates on pesticide inspection procedures, the ND Department of Agriculture Noxious Weeds Division for updates on the outreach/liason abilities to county and agencies, the NDSU Pesticide Regulation Division for doing an outstanding job of R-O-W recertification and pesticide use awareness, to the NDSU Plant Research Division for their knowledge of weeds and on how to correctly identify them, to Bill Walker of CPS who faithfully does our calibration exercises, to the ND Parks and Recreation for the ORV (off road Vehicle) safety and I would especially like to thank DOW and Mike Schalla for supplying the meal at each school location. Without sponsors like DOW it would be more difficult to put on these sprayer schools. I also need to thank Diane Allmendinger of Stark County for setting up the location in Dickinson, Jim Hennessy of Mountrail County for the location in Stanley, Roger Gunderson in Ramsey County for the location in Devils Lake and to Ron Manson of Stutsman County for the location in Jamestown. Thank you all for attending,

Derrill Fick, NDWCA Education Committee Chairman

NDDA UPDATE

The North Dakota Department of Agriculture would like to remind landowners that they should start looking for leafy spurge flea beetles mid to late June and into early July. If collectable populations are found the Department is available to help conduct a collection event. The Department can provide sweep nets, insect sorters, and other various supplies for collecting and redistributing the flea beetles. Our staff will also be available to help collect. Any landowners interested in attending an event or acquiring bio-control agents should contact Lane Kozel at 701-328-2250 or Chelsey Penuel at 701-328-2983.

NDDA HIRE'S A NEW NOXIOUS WEED COORDINATOR

Chelsey Penuel started as the Noxious Weed Specialist at the ND Department of Agriculture in March this year. Chelsey is originally from Fargo and graduated from Minnesota State University, Moorhead with a BA in Biology. She has previously worked at the Department of Agriculture as a Noxious Weed Technician and a Pest Survey Technician in the summers of 2011 and 2012. She comes to the Department from the NDSU Williston Research Extension Center, where she worked as an Agronomy Research Specialist.

Chelsey works with city and county weed boards on LAP, TAG, and USFS grant funding. She also works with compliance and enforcement of the noxious weed act, conducts complaint or quarantine inspections, and maintains the state noxious weed list. She conducts and promotes integrated pest management through the use of biological control agents and conducts education and provides technical assistance for the proper identification, prevention, detection, and control of noxious weeds.

Update from Dow AgroSciences

Cool and moist spring weather may delay plant growth making it important for land managers to consider optimum application timing to maximize noxious weed control. Timing herbicide applications on weeds such as Canada thistle is critical **since spraying too early will reduce control effectiveness**. Herbicide application to Canada thistle should be delayed until all plants have emerged and basal leaves are expanded. Some of the earlier emerging plants may be in the bud to early flower stage. Apply Milestone® at 5 to 7 fluid ounces per acre (fl oz/A). Use the 7 fl oz/A rate for older/dense stands or for longer residual.

Absinth wormwood: Milestone at 6 to 7 fl oz/A of product/acre provides 90 to 100% control of absinth wormwood when applied in the spring before plants are 12 inches tall, or in fall. The plant should be mowed in mid to late-summer prior to fall applications to improve application efficiency and increase control.

Leafy Spurge: The optimum time to treat leafy spurge with most herbicides is at the true flower growth stage, which is after the yellow bract is formed (late spring to early summer). Apply Tordon® 22K alone at 1 to 2 quarts of product per acre (qt/A) at true flower. When applying Tordon 22K at rates less than 1 qt/A add 2,4-D at 1 qt/A (1 lb ae/A) or Overdrive* herbicide at 4 oz/A to improve leafy spurge control by up to 20%. For suppression of leafy spurge on sensitive sites apply a tank mix of 7 fl oz/A Milestone plus 1 qt/A 2,4-D plus 4 oz/A of Overdrive.

In the past year, Dow AgroSciences has restructured the field staff and we have a representative devoted to noxious weeds and rangeland weed management in North and South Dakota (MSchalla@dow.com 262-483-7818). Contact Mike for hard copies of noxious weed information, recommendations, or help with test plots or tours.

Spraying Nozzles

(How often should you inspect spray nozzles?????)Some nozzles due to their material make-up can be used for thousands of hours – while others may require weekly or monthly attention Types of materials being applied through them will be a HUGE factor in wear Liquid products will show very little wear on nozzles over time – but- Wettable Powders, Dispersible Granules and Suspensions will wear certain types of nozzles very fast

Spraying Nozzles are a huge part of making sure your sprayers are properly calibrated. Making sure that your spray nozzles are in good condition and patterning properly will help you with improved control of your targeted pests. Also make sure that all the spraying nozzles on the sprayer are of the same sizes or are of the same GPA (gallons per acre) outputs when replacing or adding to them.

COMMON CAUSES OF SPRAY NOZZLE PROBLEMS:

Erosion and Wear - The Gradual removal of material from the surfaces of the nozzle orifice and internal flow passages causes them to become larger and/or distorted which can affect flow rates, pressure and spraying pattern

Corrosion - The chemical action of sprayed materials or the environment causes corrosion breakdown of the nozzle material (brass, steel, plastic)

Clogging - Unwanted dirt or other contaminants blocking the inside of the orifice or screens can restrict the flow and disturb spray pattern uniformity

Caking - Over-spray, misting or chemical buildups of material on the inside or outer edges of the nozzle or orifice from evaporation of liquid can leave a layer of dried solids and obstruct the orifice or internal flow passages

Temperature Damage - Heat may have an adverse effect on nozzle materials not intended for high temperature or high pressure applications

Improper Reassembly - Misaligned gaskets, screens, orifices, over-tightening or other repositioning problems can result in leakage as well as poor spray patterns

Accidental Damage - Inadvertent harm to the orifice or nozzle bodies can be caused by scratching through the use of improper tools during installation or cleaning

Properly calibrated equipment with spraying nozzles in good working condition **“will increase your weed and pest control” AND SAVE YOU TIME AND MONEY.**

Important Resources

The following articles on “Understanding Herbicides” available through TechLine Invasive Plant News (Techlinenews.com) can provide you with tips and resources on selecting, applying, and assessing effects of herbicides.

- Effective Herbicide Use Starts With the Label

Highlights the importance of reading AND understanding the herbicide product label.

>> <http://bit.ly/understandinglabels>

- Introduction to Herbicide Formulations

Provides a basic overview of the different types of herbicide formulations and their advantages and disadvantages in terms of effectiveness and ease of use.

>> <http://bit.ly/herbicideformulations>

- Factors Affecting Herbicide Performance: Describes how herbicides overcome biological and environmental barriers to control a target plant. >> <http://bit.ly/herbicideperformance>

- Surfactants and Adjuvants: Learn how adjuvants can be used in spray solutions to help improve performance of foliar-applied herbicides. >> <http://bit.ly/adjuvants>

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