

INSIDE THIS ISSUE

Bully Pulpit Renovation Update
Page 3-4

2020 Scholarship Golf
Tournament Recap
Page 5-7

2020 Turf Student Scholarship
Page 8

New Legacy Scholarship
Page 10

36th Annual Conference
Page 12

NDSU Pesticide Training
Page 15-18



TALKING TURF

NORTH CENTRAL TURFGRASS ASSOCIATION

Fall 2020

President's Message

By Cammi Campbell, Minot Park District

Greetings NCTGA members,

Fall is in the air. The leaves are turning colors and dropping to the ground. Days are getting shorter and cooler. Fall is my favorite time of year. It is very satisfying to look back on the long, dry and especially windy summer we had, and see everything that you have accomplished. Fall brings its own set of challenges trying to close up from the busy summer season before we have a big snow storm which is almost guaranteed before the calendar actually turns over to winter. Hopefully everyone gets all their fall tasks done before the S word hits. I recall, last October we had a huge snow storm that dropped 2ft of snow in parts of central ND. It would be a blessing if the snow comes in the form of rain at this point.

We had a fantastic golf tournament and it was a great day. In total, 32 NCTGA members participated in the two-person scramble format. In addition to golf there were fun activities throughout the day, incredible food, and excellent networking opportunities. Thank you to everyone that came out to support this fundraiser. Thank you to Garrett Schultz and his crew at Prairie West, they had the course in superb condition. A special thank you to MTI Distributing and Bayer for their very generous sponsorships. Thank you to all of the vendors that supported catering, hole sponsorships, and proximity prizes. Without the support of our vendors this event wouldn't be possible. We will be working on the date and location for next year's

tournament. We will announce the date and location at the 2021 conference. If anyone is interested in hosting a future tournament contact Sam or one of the board members.



The NCTGA and NDGA Scholarships will be available on our website to apply until January 15, 2021. Help spread the word if you know any interested golf course/ turf management students. New this year we are offering a \$500 Legacy Scholarship. We have been working very hard to get this rolled out and the rest of the information will be in this newsletter. We will be handing out all the Scholarships at our Conference which will be held Feb. 23-25, 2021 at the Holiday Inn in Fargo, ND. We plan on moving forward with our conference at this time. We will send out a survey the first part of January for feedback on holding the conference. We will monitor the situation as a full board and make the right decision in the best interest of our members.

Wishing everyone a Happy and Healthy end to 2020!

Cammi



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Bully Pulpit Renovation Update

By Kyle Fick, Golf Course Superintendent

It feels like a lifetime since I spoke of this project back in February at the NCTGA Annual Conference. Like most of you, 2020 has proven to be a season to remember, or rather forget most likely, for many of the world's citizens. While we've seen booming business in the golf industry from new and returning patrons, I'm sure many can echo the sentiment that the year of Covid has brought on many, many other challenges. In some instances, I do believe we've possibly learned some new efficiencies, but we might also have had to perform some menial tasks due to reduced staffing, delays in spring startup, and so on. I know firsthand that entering a renovation in the spring of 2020 was going to be difficult.

All in all, everything started out okay. We had hoped to be in the ground a bit sooner than we were, but an open winter in western ND, along with a prolonged cold spring, kept the frost lingering until well into the end of April, thus delaying the jump start on dirt work we had hoped to get. The real saving grace to all of this was we had, and continue to have, little to no rain impact construction. Even with delay of getting into the ground on April 25th, we had high hopes of getting seeded early enough to escape the dog days of summer with young plants. However, some of the uncontrollable events that related to Covid got the best of us. We had a few delays in some irrigation heads that were stuck on shipping docks. Several hired staffers decided to stay closer to home than travel to an unknown destination to work for the summer. And lastly, simply opening the golf course in what was shaping up to be a drought took a lot of our time. This puts us in a bind, thus taking care of live vegetation vs. progress on new irrigation and drainage installation.

Enough doom and gloom! Irrigation installation was completed mid-June, and shortly after the contractors finished up the soil prep. Finally, we had seed in the ground by June 20th. I began to irrigate right on the 22nd of June. Things were good. Germination was quick with the long days and warm nights. By the 25th,



tees had sprouts and greens were showing signs by the 27th. A few spots along the fairways had some signs by the 28th. Then, we had our first rain of the season. A deluge of around a half inch of rain in under 20 minutes, and that proved to be a killer. A lot of seed and soil ran on the newly prepared ground, clogging drainage and silting in low spots. This was a tough scenario as we headed into the hottest, driest part of our season. From the fourth of July through August, the dog days of summer did not disappoint. We continued to repair drainage and seed low areas all through the months of July and August as little to no rain continued to be the norm. And the temps ensued. August was hot, extremely hot. 100 F wasn't unusual. The young turf simply stalled out until the end of August, which we all know is much more conducive to turf growth than mid July. Seed began to germinate again in late August and into the Labor Day weekend. Things were looking good. We received our first measurable rainfall in almost 2 months over Labor Day weekend, and then the frost. Following an inch of rain, ole Ma Nature blessed us with four consecutive frosts and cold days. We're talking low 20's. Soils cooled quickly and the continued inter-seeding slowed down to a creeping halt. Germination had been rapid at about 10 days, but now, especially with the longer shadows, it's much, much longer.

Continued on page 4...

Bully Pulpit Renovation Update cont'd

Continued from page 3...

I had hoped to be playing the newer holes by October 1, but it just wasn't in the cards with the adverse growth in that occurred. And so, we became a 9 hole golf course on September 27th. Construction on Phase 2, which is the flood mitigation and new holes 7 and 11 began on the 28th. As I begin to write this article on October 8th, our golf contractor is driving our way to begin construction on new tees and greens while the heavy earth contractors are finishing up the earthen levee and the flood gates in the creek. It looks like we are on pace to finish up with the heavy earth by the end of week of October 12th. We are really hoping to get all irrigation installed, and probably dormant seed as much as possible before winter sets in. It'll be a push for sure, but hopefully weather holds. Our fear is that trends possibly change, and we end up getting a much wetter spring than we've experienced in recent history. As I proofread and make corrections and additions today on October 15th, my gut is telling me winter is coming. Snow is now in the forecast, and several nights in the low 20's and high teens are expected over the next ten days. We continue to cross our fingers

that it will warm back up for the first part of November. We've completed two of the three tee complexes and are installing irrigation on them. One of the two greens complexes is mostly ready. Cart paths are being paved starting today, and the box culvert is in the creek and the pipe extensions will be done soon. If weather was still in the 60's we would probably be much more encouraged with the fall.

I've learned a lot during this process, and although there were a few things that didn't go according to plan, it will work out overall in the long run. Being subjected to Mother Nature's bidding leaves us at the mercy of what the environment gives us, and as we know, that is out of our control. While our in-house efforts did save many dollars against the bottom line, it was a taxing endeavor to go forward with. Great experiences were gained, and tests of patience were passed and failed! If I could do one thing over, we'd have been better at shutting down the golf course to 9 holes earlier in September to not be pressing the clock and calendar so badly this late. It really does stay dark late and get dark early by mid-October!



2020 Annual Scholarship Golf Tournament Recap

The 2020 NCTGA Annual Scholarship Golf Tournament was held on **Monday, September 14th** at Prairie West Golf Club in Mandan, ND. In total we had 32 NCTGA members participate in this event, resulting in 16 2-person scramble teams. Garrett Schultz and his team at Prairie West had the golf course in superb shape and it was an excellent day of golf enjoyed by all. Thank you to Garrett, his team, and the management staff at Prairie West for hosting our group this year.



In addition to excellent food truck catering provided by Terra Nomad and sponsored by MTI Distributing, we had several fun activities combined with the golf, including putting and chipping contests. In total, we raised over \$3,000 during this event, which will go to support student scholarships. A special thank you goes out to all sponsors for making this event possible. The first place team in flight #1 was the duo of Garrett Schultz and Jared Kautzman with the low score of 65. Congratulations guys!. Winning our second flight was the team of Chris Kappes and Lance Vogel from Agassiz Seed with a score of 75. Congratulations to our putting and chipping contest winners, as well winners of the proximity prizes.



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2020 Annual Scholarship Golf Tournament

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2020 Annual Scholarship Golf Tournament Photos from the Day



NORTH CENTRAL TURFGRASS ASSOCIATION AND NORTH DAKOTA GOLF ASSOCIATION

2020 TURFGRASS STUDENT SCHOLARSHIPS

DEADLINE: JANUARY 15TH, 2021

The North Central Turfgrass Association (NCTGA) and North Dakota Golf Association (NDGA) continue to offer scholarships to qualified student applicants in golf course/turfgrass management studies. This year we are offering two \$1,000 scholarships. The NCTGA scholarship is open to any qualified turfgrass student applicant enrolled in at least his/her second year of turfgrass/agronomy/horticulture studies. The NDGA scholarship is also open to a qualified turfgrass student in his/her second year but is restricted to residents of North Dakota.

These awards will be administered and voted upon by the NCTGA Board of Directors Scholarship Committee. Recipients of these scholarships will be given his/her award at the NCTGA Annual Conference and Trade Show, February 23rd-25th, 2021 at the Holiday Inn in Fargo, ND. Hotel accommodations will be provided if necessary.

Please include the following with your application:

- Name, email, phone, school address, home address, Major, GPA, anticipated graduation date, advisor
- Resume
- Statement of Future Professional Goals (ex: where do you see yourself five to ten years from now?)
- One letter of recommendation from employer or professor (can be sent separately)

Applications and reference letters must be postmarked by January 15th, 2021. Electronic submissions can be emailed to: Sam Bauer, NCTGA Executive Director: info.netga@gmail.com

Mailed documents can be sent to:

North Central Turfgrass Association

P.O. Box 10823

Fargo, ND 58106

Phone: 904-271-0250



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NORTH CENTRAL TURFGRASS ASSOCIATION

2020 LEGACY SCHOLARSHIP

DEADLINE: JANUARY 15TH, 2021

The North Central Turfgrass Association (NCTGA) is offering one \$500 Legacy scholarship to a child of a current NCTGA member in good standing. The child must be currently enrolled in his/her senior year of high school or an undergraduate college program. Funds for this scholarship are generated at the Annual Scholarship Golf Fundraiser hosted by the NCTGA in September every year.

The scholarship recipient will be selected by an unbiased committee of academic professionals. The recipient of this scholarship will be given his/her award at the NCTGA Annual Conference and Trade Show, February 23rd-25th, 2021 at the Holiday Inn in Fargo, ND. Parent members of the NCTGA can also accept the award on behalf of their child.

Applications for the Legacy scholarship must be completed by the student. To be eligible for this scholarship, all items listed below must be post-marked or emailed by the January 15th deadline.

- Name, email, phone, school address, home address, Major (or anticipated Major), GPA, extracurricular activities, anticipated graduation date, advisor
- NCTGA parent member's name, organization, and years as a NCTGA member
- Brief statement of Future Professional Goals (ex: where do you see yourself five to ten years from now?)

Electronic submissions can be emailed to:

Sam Bauer, NCTGA Executive Director: info.nctga@gmail.com

Mailed documents can be sent to:

North Central Turfgrass Association

P.O. Box 10823

Fargo, ND 58106

Phone: 904-271-0250



North Dakota Pesticide Survey

The North Central Turfgrass Association is working with the North Dakota Department of Agriculture to conduct a survey related to pesticide activities in turfgrass. Data from the survey will be used to give the Dept. of Ag. A better understanding of current practices used, pest problems encountered and challenges you face in the current pesticide regulatory environment. All answers will be compiled without personal or location data. The survey contains seven questions, outlined below, and can be completed in just a few minutes. If you don't use five insecticides, for example, simply listing the ones you do use will be helpful.



[Click here](#) to take the survey. This survey can also be found in the members-only section at nctga.net

Questions on the survey:

1. What are the five most common herbicides you use on a yearly basis?
2. What are the five most common insecticides you use on a yearly basis?
3. When do most insecticide applications take place?
4. What are the five most common fungicides you use on a yearly basis?
5. When do most fungicide applications take place?
6. What are the five biggest pest problems you encounter in a typical year?
7. What are the biggest pesticide regulatory hurdles you encounter now and what pesticide regulatory hurdles do you anticipate in the future?

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36th Annual Conference and Trade Show

February 23rd - 25th, 2020

The NCTGA Board is keeping a close watch on COVID-19 cases in North Dakota and the Midwest. At this time we are still planning to host a face-to-face conference as always at the Holiday Inn in Fargo. This could all change as we get closer to the conference date, and we assure you that the safety of our members and vendors is our top priority. If we are not able to meet face-to-face, we will offer a similar lineup of topics outlined below in a virtual format. For now, please save the date of **February 23rd - 25th, 2021** on your calendar to attend.

Schedule at a Glance

Tuesday, February 25th

11:00am - 12:00pm: Registration and Networking

12:00pm - 12:30pm: Opening Remarks

12:30pm - 1:00pm: BMP Update/Legacy Scholarships/Wee One

1:00pm - 2:00pm: Ryan Moy, Head Groundskeeper at Allianz Field

2:00pm - 3:00pm: Soil Physical Properties and Their Impact on Turfgrass Management, Dr. Deying Li, North Dakota State University

3:00pm - 4:00pm: The Superintendent and the Weatherman, Garrett and Chauncy Schultz

4:00pm - 8:00pm: Trade Show/Social

Wednesday, February 26th

7:00am - 7:30am: Registration and Networking

7:30am - 9:00am: Vendor Seminars (equipment and irrigation)

9:00am - 11:30am: Trade Show

11:30am - 12:15pm: NCTGA Annual Meeting

12:15pm - 1:00pm: Lunch

Wednesday, February 26th cont'd

1:00pm - 2:00pm: Equipment Maintenance

2:00pm - 3:00pm: Zebra Mussel Update, Megan Weber, U of MN (Golf focus)

2:00pm - 3:00pm: Emerald Ash Borer Update, Dr. Jon Ball, SDSU (Grounds focus)

3:00pm - 5:00pm: Ben Pease, Iowa State (Golf focus)

3:00pm - 5:00pm: Infield Maintenance

5:00pm - 7:00pm: Social/Silent Auction/Raffle

Thursday, February 27th

7:00am - 7:30am: Registration and Networking

7:30am - 9:00am: Golf Course Flood Cleanup and Recovery Panel

7:30am - 9:00am: Artificial Turf Maintenance

9:00am - 11:30am: Motivational topic (TBA)

12:00pm - 3:00pm: NCTGA Board Meeting

SAVE THE DATE

NCTGA New Vendor Sponsorship Levels

The NCTGA Board has developed new vendor sponsorship levels for 2021. The goal is to simplify sponsorships and allow more opportunities for NCTGA to promote our vendors. Newsletter advertisements will begin with the January issue of our newsletter, and vendors will have the option to pay in the 2020 or 2021 fiscal year. These sponsorship levels assume that the conference in February will go on as planned, but that could change. In the event that the conference goes virtual or is canceled, we will work with NCTGA vendor members on refunds or holdover until the following conference.

Sponsorship Levels

- **Platinum (\$2,500):** includes 4 conference booths, 4 conference attendees and memberships, full page newsletter ad, large logo on website, platinum sponsorship advertised at conference and in all publications
- **Gold (\$2,000):** includes 3 conference booths, 3 conference attendees and memberships, 1/2 page newsletter ad, medium logo on website, gold sponsorship advertised at conference and in all publications
- **Silver (\$1,000):** 2 conference booths, 2 conference attendees and memberships, 1/3 page newsletter ad, small logo on website, silver level sponsorship advertised at conference and in all publications
- **Bronze (\$500):** 1 conference booth, 1 conference attendee and membership

If you have questions on structuring of sponsorship levels or other comments related to this initiative, please reach out to Sam Bauer (info.nctga@gmail.com) or a NCTGA Board Member.

Thank you to all vendors for your continued support of the NCTGA!



U of M Hires a New Turfgrass Educator

From the U of M Turfgrass website: turf.umn.edu

We are happy to announce that Maggie Reiter has accepted the position of Extension Educator - Turfgrass with University of Minnesota Extension. Maggie has been with University of California Cooperative Extension since 2016. Prior to that, she earned both her undergraduate and Master's degrees at the University of Minnesota. Maggie has done an excellent job building a turfgrass Extension program in her current position in central California, and we are excited for her to build upon prior Extension efforts in Minnesota.

Maggie will be working for University of Minnesota Extension to provide statewide technical assistance and educational programming leadership for professional turfgrass personnel as well as homeowners in urban areas. She will collaborate closely with our turfgrass science research program, campus faculty, other Extension

Educators, industry representatives and other stakeholders to extend research into the community. Maggie will officially join UMN Extension on September 8. Welcome Maggie!

For more information about Maggie's current work, you can find her on [Twitter](#) or visit the University of Minnesota's Turfgrass [Website](#).



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NDSUEXTENSION
PESTICIDE PROGRAM

Commercial/Public Applicator and Dealer Certification Offerings

2020-2021

September 2020

North Dakota Pesticide Certificate Holders With 2021 Expirations:
RE: 2020-2021 Training Season

North Dakota certified commercial/public applicators and dealers will face unprecedented challenges when renewing certificates. The COVID-19 pandemic continues to be a disrupting influence and it will impact how the North Dakota State University Extension Pesticide Program delivers trainings during the next several months.

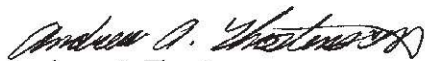
Our mode of delivery will be vastly different. That is why we put together this publication for all applicators/dealers, regardless of the categories for which you are seeking renewal. I advise you to read this publication carefully so you can plan your strategy for obtaining a renewal of your certification.

We are offering five different approaches for renewing your certification(s).

1. Successfully completing exam(s) will be an option through NDSU Extension county offices. Please understand that if you select this method, a county government may institute restrictions that are beyond the control of the state pesticide program. In April and May of 2020, during the height of the pandemic, exams were offered only in Bismarck and Fargo on a limited basis. That may happen again, so remain flexible, look for email announcements on changes, and consult the NDSU Extension Pesticide Program web page for updates.
2. Our traditional face-to face trainings will be offered. However, we expect social distancing needs will reduce how many people will be able to participate. At this time, we are planning capacity limits of 50%. For example, if we could accommodate 110 applicators/dealers comfortably at the North Central Research Extension Center near Minot, we would limit participant numbers to 55. To manage for this, we are offering more events and, when possible, we will hold these trainings in larger venues.
3. For the past 15 years, we have offered live trainings through web conferencing hosted at selected NDSU Extension county facilities. We will continue to do this. However, due to space limitations because of social distancing, we will limit participant numbers. For example, if we could handle 14 people at LaMoure County, we would expect to allow only seven.
4. This past season, we offered live trainings through webinars directly into homes, shops or offices. (In March, April and May, this was the only way we could reach people when face-to-face events were canceled.) We will offer this method of renewal again. The advantage is applicators do not have to travel, but they will need to have a reliable internet connection and a personal computer. This type of training has no limitations on participant numbers. While some may find using this technology challenging, many do not. This past season, we were able to reach nearly 2,000 applicators successfully.
5. Finally, in our minor categories (Home Industrial and Institutional, Public Health, Vertebrate and Wood Preservation), we will continue to have home-study correspondence trainings available from Jan. 1 through April 1, 2021.

We can't tell how this pandemic will play out, but we are confident we will be able to meet your certification needs throughout this training season.

All the best,



Andrew A. Thostenson,
Pesticide Program Specialist
North Dakota State University Extension

Face-to-face Trainings

If you desire to participate in a training in a meeting room, you must consider the following:

- **First, if you are part of a COVID-19 at-risk population, consider not participating.** Choose alternative options. You can read more on who is most at risk by going to the North Dakota Department of Health's "At Risk Populations Website": <https://tinyurl.com/ND-at-Risk-Populations>.
- **Preregister.** Walk-up registrations likely will not be allowed because we will be limiting participation to comply with social distancing.
- **If you are not feeling well, please do not attend.** In a typical season, having participants who simply "tough out" a bad cold or illness is not unusual. Given the sensitivity people have toward getting COVID-19, coughing or hacking your way through a training at a minimum will make people uncomfortable, or worse, you actually may be spreading disease.
- **Please wear masks or face coverings.** If you do not have one, we will have a limited supply available at the training. Whether you think this is important or not, our governor is recommending it and so is our NDSU administration. Not wearing a mask puts our ability to conduct pesticide trainings at risk of cancellation, or worse, causing more COVID-19 infections.
- **Please maintain a minimum of 6 feet of distance between you and other participants.** If the trainer is doing a presentation without a mask, maintain at least 12 feet of distance between you.
- We will have prepackaged snacks and bottled water available at our trainings, but **we will not have prepared food or drinks.** That includes coffee or cold beverages in a common cooler. If you desire these items, you are welcome to bring your own but they will not be provided.
- **We will provide hand sanitizer.**
- **Please understand the above are minimum expectations.** The site host or training venue/operator may have additional requirements that go beyond what the NDSU Extension Pesticide Program is asking. Please respect their wishes.

Communication

This past season, we had to cancel face-to-face trainings and some certificate holders did not get notified. Given the unpredictable nature of this pandemic, please maintain up-to-date contact information with our office, especially an email address. Without it, we will not be able to connect with you on short notice. Also, we can email changes only to applicators/dealers who have registered for an event. If you were planning a walk-in registration, we will not be contacting you.

Another way you can stay in touch is by monitoring our website. We will post any changes at least 24 hours before the event. Look under the COVID-19/Weather announcements. Our home page can be found at <http://ndsupesiticide.org>.

Participating in Webinars

If you select this means of training to complete your renewal, you need to be prepared to handle the technology. Here are some key points for you to consider:

- We will be using Zoom as our webinar delivery platform. We have been using it for several years with Extension's county offices, and this past spring, we used it to reach 2,000 applicators/dealers successfully.
- You do not need a Zoom account or special software.
- You will need a networked computer with audio and video capabilities. A microphone or camera is not required. You must have sufficient bandwidth to handle video streaming.
- A personal computer/tablet/iPad running Windows or the IOS system is recommended. While Zoom can be viewed from any networked device, smartphones are not recommended due to bandwidth limitations and the inability to see presentations on a small screen.
- If you request participation in a webinar, we will send you additional instruction on "how to participate." This will be in a PDF document and in a narrated step-by-step video.

- You will need to register with Zoom for the event so you can obtain login information. We will provide you with an email registration link once you have preregistered with the NDSU Extension Pesticide Program. When you get the link, simply follow the instructions to obtain login information for your webinar.
- Registering with Zoom allows us to track your participation before, during and after the webinar. We use this tracking information to verify attendance. While participating, please refrain from distractions and focus on the content of the training. Doing so will assure the U.S. Environmental Protection Agency, the North Dakota Department of Agriculture and the general public that you are committed to using pesticides in a responsible manner.

Completing Exams at County Extension Offices

Renewal by examination will be offered again beginning January 1 through March 31, 2021.

For 40 years NDSU County Extension Offices have provided local opportunities to take certification exams. At the time of this writing, this is still the case. However, while they are part of the NDSU Extension System, their operations and practices are governed by county government. Thus, each office may have different requirements and procedures for issuing exams. If this pandemic intensifies, counties may not issue exams for an undetermined period of time. Regardless, applicators/dealers seeking to take exams should call ahead for an appointment and visit with county staff regarding availability and local policies.

No Continuing Education Units for Certified Crop Advisors for 2020-2021

A casualty of this pandemic is our ability to get approval for and verify participation in our trainings for purposes of CEU accreditation. The logistics of doing so adds another layer of complexity to the management of our trainings. So, in the interest of focusing only on our core mission, we will not be offering credits this season. We expect that we will do so next year, assuming this pandemic subsides.

Expect the Unexpected

The reality of COVID-19 is the volatile nature of this pandemic. One can speculate about how this will impact our state and country, but seeing the future is not knowable. We are preparing as best we can and if we have to deal with shutdowns and/or cancellations of face-to-face events, we will try to convert them to a Zoom Webinar. Our experience suggests we can shift our mode of delivery on very short notice. So if you are going to participate in a face to face event, be prepared to go “on-line” if necessary for the originally planned date.

Lastly, get your certification requirements done sooner rather than later. On April 1, 2021 your certifications will expire. Waiting until March 31st to act may not be a good strategy.

Training Registration

Preregistration is required for all trainings. Due to COVID-19, walk-in registration may not be available.

Telephone registrations are not accepted.

Register online and pay with credit card at <https://tinyurl.com/ndsupesticide>.

To register by mail and pay by check, print the registration form at <https://ndsupesticide.org>.

If you need accommodations for hearing impairment, please contact us a minimum of 45 days in advance of the training date to allow time for us to obtain services.

No trainings are offered for Vertebrate and Wood Preservatives categories. Order Home Study Renewal at <https://ndsupesticide.org>.

2020-2021 Pesticide Training Schedule
Ground or Aerial/Ground Core
Ornamental & Turf, Greenhouse, Research & Demonstration

Training Date	Location	Time	Pre-Reg Deadline
Nov. 10, 2020	<u>ZOOM WEBINAR</u>	9 a.m. - 4 p.m.	11/9/2020 NOON
	On a computer at home or employer	8 a.m. - 3 p.m. (MT)	
Jan. 28, 2021 Hosted Training	<u>Bismarck</u> , Burleigh County Extension	Registration 8:30 a.m.	1/14/2021
	3715 E Bismarck Expressway	Training 9 a.m. - 4:30 p.m.	
	<u>Fargo</u> , NDSU/AES Research Greenhouse	Registration 8:30 a.m.	
	Complex, 1440 18th St N	Training 9 a.m. - 4:30 p.m.	
	<u>Grand Forks</u> , Grand Forks County Extension	Registration 8:30 a.m.	
	151 South 4th St Suite 302	Training 9 a.m. - 4:30 p.m.	
	<u>Hettinger</u> , Hettinger Research Ext Center	Registration 7:30 a.m. (MT)	
	102 Hwy 12 W	Training 8 a.m. - 3:30 p.m.	
Feb. 26, 2021 Face-to-Face	<u>Manning</u> , Dunn County Extension Center	Registration 7:30 a.m. (MT)	2/24/2021 NOON
	205 Owens St.	Training 8 a.m. - 3:30 p.m.	
Feb. 26, 2021 Face-to-Face	<u>Harwood</u> , Harwood Community Center	Registration 8 a.m.	2/24/2021 NOON
	210 Freedland Dr.	Training 8:30 a.m. - 4 p.m.	
Mar. 23, 2021 Hosted Training	<u>Fargo</u> , NDSU/AES Research Greenhouse	Registration 8:30 a.m.	3/9/2021
	Complex, 1440 18th St N	Training 9 a.m. - 4:30 p.m.	
	<u>Devils Lake</u> , Ramsey County Extension	Registration 8:30 a.m.	
	524 4th Ave NE #5	Training 9 a.m. - 4:30 p.m.	
	<u>Grand Forks</u> , Grand Forks County Extension	Registration 8:30 a.m.	
	151 South 4th St Suite 302	Training 9 a.m. - 4:30 p.m.	
	<u>Mandan</u> , Morton County Extension	Registration 8:30 a.m.	
	210 2nd Ave NW	Training 9 a.m. - 4:30 p.m.	
	<u>Manning</u> , Dunn County Extension Center	Registration 7:30 a.m. (MT)	
	205 Owens St.	Training 8 a.m. - 3:30 p.m.	
	<u>Minot</u> , Ward County Extension	Registration 8:30 a.m.	
Mar. 30, 2021	Admin Bldg Suite 123/225 3rd St SE	Training 9 a.m. - 4:30 p.m.	
	<u>Williston</u> , Williams County Extension	Registration 8:30 a.m.	3/29/2021 NOON
	Broadway Commons/302 East Broadway	Training 9 a.m. - 4:30 p.m.	
Mar. 30, 2021	<u>ZOOM WEBINAR</u>	9 a.m. - 4 p.m.	3/29/2021 NOON
	On a computer at home or employer	8 a.m. - 3 p.m. (MT)	



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Going Virtual: Winter Education

While the COVID-19 pandemic has certainly had a tremendous impact on all of our lives, there are now more online learning opportunities than ever before. Most national conferences are going virtual, and this includes the GCSAA, STMA, and PGMS, to name a few. Below are a few educational opportunities that can be attended from the comfort of your couch or office.

Golf Course Superintendent's Association of America

The Golf Industry Show will be completely virtual this year. For those of you that don't often attend this, having this education at your fingertips will certainly be worthwhile. The virtual conference is being held from February 2nd - 4th, 2021. To register, visit this link: golfindustryshow.com

Sports Turf Managers Association

The STMA is hosting their virtual conference from January 12th - 13th, 2021. According to their website, the same educational seminars, networking, and exhibitor connections will be offered in the virtual format. For more information, visit the STMA website at: stma.org

Professional Grounds Management Society

In place of the face-to-face School of Grounds Management, the PGMS is offering the 2020 Grounds Management Summit. The Summit includes a series of 10 webinars held every Wednesday (1pm Eastern) beginning on October 7th, 2020 and running through December 16th, 2020. Each webinar qualifies for School of Grounds Management credits. For more information, visit: pgms.org

Minnesota Nursery and Landscape Association and Minnesota Turf and Grounds Foundation

The Northern Green Conference, held annually at the Minneapolis Convention Center, is going virtual this winter. This virtual conference is being held from January 11th - 14th, 2021 and includes an excellent lineup of topics and speakers. For more information on the Virtual Northern Green, visit: northerngreen.org

North Dakota Recreation and Park Association

This conference was rescheduled from September and is now offered virtually from October 27th - 29th, 2020. With over 60 educational sessions, there is sure to be something for everyone. For more information, visit: nrpa.org/conference

GreenKeeper University

For a deep-dive into specific turf related topics, GreenKeeper University is a more class-style offering over several weeks. In addition to shorter, 1 credit hour courses, GreenKeeper University offers comprehensive introductory courses such as the Great Lakes School of Turfgrass Science. For more information on Greenkeeper U, visit: greenkeeperapp.com



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