



THE SEED CONSULTANT

A QUARTERLY NEWSLETTER NEWS AND VIEWS FROM THE FIELD

PREPARING FOR A WEED FREE HARVEST

Addressing fall applications for the most common weeds

MAINTAIN GRAIN QUALITY THROUGH PROPER STORAGE

Tips on preparing to store your inventory

CORN TAR SPOT

Leaf disease has potential to cause severe yield loss

TREATMENT OFFERINGS

See our current seed treatment offerings

PREPARING FOR A WEED FREE HARVEST

By Bill McDonald, CCA

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A court ruling has created a lot of uncertainty around weed control options. Marestalk, giant ragweed and the amaranth family of weeds are arguably the hardest to control weeds that we must contend with each year. The four weeds that affect us the most in the amaranth family include smooth and redroot pigweed, palmer amaranth and waterhemp.

Marestalk is the only annual weed of this group that has a winter and a summer cycle. The seedlings that come up in the fall give us the greatest problem. By the time spring rolls around, they are no longer young succulent seedlings, they are well established. They are hard to control in the spring because weather conditions aren't always favorable for their control and also because of the reduced rates of 2,4-D Ester that we use so that we can

plant in a timely manner. Fall is an ideal time to control marestalk because you can use a higher rate of 2,4-D and/or a dicamba product and get effective control. The best solution is fall spraying or tillage to control them.

If a fall application to control marestalk isn't possible and tillage is also out, then we must consider another plan of attack. The addition of Elevore® to the 2,4-D Ester is one possible solution, but you will still have a 2 week waiting period before soybeans can be planted. If you are planting Enlist E3® soybeans you can spray Enlist One® or Enlist Duo® with no waiting period.

The best way to control any of the weeds in the amaranth family is with a residual. A clean start with the addition of a residual herbicide goes a long way to control this



family of weeds plus get the added bonus of helping to prevent resistance issues in the future. If you are dealing with palmer and/or waterhemp, another residual herbicide added to your tank mix during post spray application will help to hold off the emergence of more of them before we can get to crop canopy. This could possibly save you a second post application.

Giant ragweed is really hard to get 100 percent control of with any residual and 80 percent control isn't good enough. One of the biggest



issues in getting good control in our post applications is timing. These weeds must be sprayed when they are small.

If you are having issues with your current program, then you may want to consider either Liberty or Enlist E3® soybeans. Liberty and the 2,4-D Choline that is in Enlist One® and Enlist Duo® do an excellent job of taking out all these hard to control weeds and many others that were not mentioned.



EARLY CASH DISCOUNTS

Seed Consultants offers opportunities to maximize seed cost savings through an early cash discount schedule for the 2021 planting season.

If you have any questions, please call the office at 800-708-2676.

CASH DISCOUNTS

13%	.....	October
12%	.....	November
10%	.....	December-January 5
9%	.....	January
7%	.....	February
4%	.....	March
2%	April

MAINTAIN GRAIN QUALITY THROUGH PROPER STORAGE

By Matt Hutcheson, CCA

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As producers across the eastern Corn Belt get into their fields this fall, care should be taken to ensure proper handling and storage of grain. Proper storage and grain handling is necessary for maintaining the quality of the harvested crop. This article will discuss a few tips for maintaining the quality of stored grain after harvest. It is critical to start with both a clean bin and handling equipment. Any moldy grain or grain infested by insects from the previous year can contaminate grain harvested this season. Storage facilities and aeration equipment should be clean and in proper working condition.

Harvesting equipment that is adjusted and operated correctly will also preserve the condition of the crop. Combines should be set to clean grain thoroughly to eliminate foreign material/ fines and handling equipment should be operated in order to minimize damage to grain. It is also important to use a spreader or distributor as grain enters the bin to evenly spread any fine materials

remaining in the grain. Without a spreading device, the fines will collect in the center of the bin and create aeration problems as well as a place for moisture to accumulate. Properly cleaned grain will minimize insect activity and allow for efficient air movement through the stored grain.

Grain should be stored at proper moisture content in order to maintain quality. Corn should be stored at 15% for up to 6 months and 13% for storage longer than 6 months. Soybeans should be stored at 13% for up to 6 months and 11% for storage longer than 6 months. Grain should be cooled through aeration in the fall to provide the most favorable storage environment. The stored grain should be cooled gradually and evenly to 35-40 degrees F. This process will help maintain the condition of the grain and deter insect activity within the stored grain. Finally, it is important to monitor grain stored in bins at regular intervals to make sure that proper storage conditions are maintained, as well as grain quality.

Simply Better Virtual Product Experience

Recently, we filmed some of our new and popular corn hybrids and soybean varieties out in the field to bring a field day experience to you virtually. Feel free to reach out to your sales professional if you would like a one-on-one tour or enjoy our Simply Better Products highlighted in the series of videos available for you at SeedConsultants.com.



ENJOY WEARING SEED CONSULTANTS GEAR?

Be sure to check out the Seed Consultants Online Store.

Visit seedconsultants.com today to see what's available!



CORN TAR SPOT



By Jordan Bassler

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A “new” leaf disease has shown up in Seed Consultants’ territory with the potential to create severe yield loss. If you noticed black spots on corn leaves in your crop this season, it may be Tar Spot. Tar Spot has been confirmed in Iowa, Illinois, Indiana, Michigan, Ohio, Florida, and Wisconsin.

proven itself capable of staying in the fodder and soil residue until the next growing season and creating more disease pressure. Tar Spot’s preferred environment is very humid conditions, at least 85% humidity, and prolonged leaf wetness 7 hours and greater.

First introduced to the United States in 2015, researchers from Iowa State University believe the disease was brought north from Mexico through

storms. It was unknown at that time if the disease had the ability to overwinter due to Tar Spot needing a live host to exist. Since then, it has

Tar Spot looks literally like it sounds, small black spots on the leaves and in the most severe cases, can move onto to ear husks and plant stalks.

Identification of the disease is fairly easy to diagnose. Tar Spot looks literally like it sounds, small black spots on the leaves and in the most

severe cases, can move onto to ear husks and plant stalks. Towards the end of the growing season it sometimes can be mistaken for Common Rust after the rust pustules had died and turned black. Like Common Rust, Tar Spot will have a slight

raised look and feel on the leaf. One easy way to diagnose one over another is to wipe off the corn leaf. Common Rust pustules, no matter what time of year, will wipe off the leaf if simply scraped with your fingernail, while Tar Spot will remain on the leaf. Another determining factor is the presence of “fish eyes” around the Tar Spots.

According to Michigan State University, during the 2018 season growers experienced yield losses of up to 50 bushels per acre. Another agronomic concern is premature drydown of total plant moisture if you are harvesting for silage. Initial studies performed by Michigan State University



Left, tar spot with fish eye symptoms. Right, tar spot on ear of corn. Photo by Martin Chilvers, MSU.

indicate that some control or suppression can be had of Tar Spot if a fungicide is applied at Tassel or R1 Growth Stage, but not enough research has been performed to give an exact estimation of return on investment.

Management practices for Tar Spot currently are crop rotation, residue management (baling/ removing corn fodder from field), selecting corn hybrids with a high tolerance to Tar Spot, and application of a fungicide. Seed Consultants agronomists have been collecting ratings on hybrids for resistance to Tar Spot. If you think you may have struggled with this disease in 2019 or currently in 2020, talk with your Seed Consultants sales professional or Seed Consultants Agronomist for help with selecting proper varieties with the highest tolerances.



CORN SEED TREATMENT OFFERINGS

The new LumiGEN™ seed treatments corn portfolio brings farmers peace of mind by protecting elite corn genetics from disease, insects and harmful nematodes to maximize yield potential.

Premium offer includes fungicide package, Lumialza™ nematicide seed treatment, and two different modes of action for insect protection, Lumivia® insecticide seed treatment + clothianidin

Corn rootworm offer includes fungicide package, and Poncho® 1250 + VOTIVO® insecticide

FUNGICIDE PACKAGE: Full spectrum and multi-mode of action disease protection

DISEASE PROTECTION	INGREDIENTS	HIGHLIGHTS	THOROUGHLY TESTED
<ul style="list-style-type: none"> Pythium Fusarium Rhizoctonia Head smut Penicillium & Aspergillus Seed-borne disease 	<ul style="list-style-type: none"> Maxim® Quattro Ethaboxam Ipconazole L-2012 R biofungicide 	<p>Ipconazole is an enhanced ingredient against Rhizoctonia and Fusarium</p> <p>Ethaboxam provides enhanced activity on Pythium species, including resistant Pythium species gaps</p> <p>L-2012 R biofungicide inhibits seedling and root pathogens, increasing nutrient uptake through healthier roots</p>	<p>+3.0 bu/a advantage in research trials¹</p> <p>+2.9 bu/a advantage in research trials²</p> <p>L-2012 R demonstrated +1.9 bu/a advantage in research trials³</p>

INSECTICIDE PACKAGE: A unique combination for effective insect control

PREMIUM OFFERING

INSECT PROTECTION	INGREDIENTS	HIGHLIGHTS
<ul style="list-style-type: none"> Wireworm White grub Black cutworm Fall armyworm Seed corn maggot Billbug Other early-season insects 	<ul style="list-style-type: none"> Lumivia 250 insecticide seed treatment Clothianidin 250 	<p>Combined, these two modes of action provide protection against the broadest insect spectrum in the industry, delivering better plant stands and reducing runt plants.</p>

OR **Poncho 1250 + VOTIVO insecticide** offered in place of the premium nematicide and insecticide offer to those focused on corn rootworm protection

NEW Nematode protection with Lumialza™ nematicide seed treatment

PREMIUM OFFERING

NEMATODE PROTECTION	HIGHLIGHTS	THOROUGHLY TESTED
<ul style="list-style-type: none"> Sting Needle Lance Stubby-root Root-knot Dagger Lesion 	<ul style="list-style-type: none"> Biological nematicide that shields roots from harmful nematodes while cooperating with beneficial organisms >80 days of root protection in all root zones 	<p>Yield advantage of 3.7 bu/a under low nematode pressure, and up to 9 bu/a under heavier pressure⁴</p>

SOYBEANS

SOYBEAN OFFERINGS

Protect your soybean genetic investment with best-in-class seed treatments against disease, pests and uncertain soil conditions during the critical early growth period.

FUNGICIDE + BIOLOGICAL STANDARD PACKAGE:

Unmatched disease protection with healthy root growth promotion

DISEASE PROTECTION	INGREDIENTS	FEATURES	THOROUGHLY TESTED
<ul style="list-style-type: none"> Phytophthora Pythium Fusarium Rhizoctonia Phomopsis 	<ul style="list-style-type: none"> Lumisena® fungicide seed treatment EverGol® Energy fungicide seed treatment L-2030 G biofungicide 	<p>Lumisena fungicide seed treatment provides best in class protection against Phytophthora</p> <p>L-2030 G biofungicide inhibits pathogens, activates roots' natural defense, improving nutrient uptake through healthier roots and sites for nodulation</p>	<p>Lumisena fungicide demonstrated a +4.0 bu/a in Phytophthora-susceptible fields, and +1.0 bu/a across broad acres⁵</p> <p>L-2030 G demonstrated +0.6 bu/a advantage in research trials⁶</p>

Gaucha® insecticide seed treatment for those focused on broader pest protection, including early-season insects

INSECT PROTECTION	HIGHLIGHTS
<ul style="list-style-type: none"> Bean leaf beetle Early season aphid Seed corn maggot 	Reduces leaf feeding and risk of late-season bean pod mottle virus

Lumisena™

FUNGICIDE SEED TREATMENT

Lumivia™

INSECTICIDE SEED TREATMENT

Lumialza™

NEMATOCIDE SEED TREATMENT

Lumiderm™

INSECTICIDE SEED TREATMENT

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TWO GREAT FINANCING CHOICES FOR 2020-2021 0% THROUGH JOHN DEERE FINANCIAL 0% THROUGH RABO AGRIFINANCE

These financing programs are only available to John Deere Financial Preferred Customers and/or RABO AgriFinance approved customers. To apply for a John Deere Financial Preferred Account or RABO account or to increase your John Deere Financial or RABO line of credit, contact John Deere Financial (800-433-8964) or RABO (888-395-8505), so the necessary paperwork may be completed with John Deere Financial &/or RABO.

JOHN DEERE FINANCIAL & RABO GUIDELINES

- Must be a John Deere Financial Preferred Customer or approved by RABO AgriFinance.
- Approval and credit limits established by John Deere Financial &/or RABO...not by SCI.
- Terms and conditions apply. See respective credit applications for full terms and disclosures.
- To increase or establish your credit line call John Deere Financial (800-433-8964) or RABO (888-395-8505).
- Must be enrolled and approved to qualify for discounts.
- Discounts applied on approval date from John Deere Financial &/or RABO.
- Signed terms of disclosure on file.
- Minimum purchase of \$1,000.
- Due date of December 2021.

For John Deere Financial customers with current special terms balances at or near their credit limit, they may have an option to enable their seed purchase now and lock in their order. Contact your SCI Seedsman for details.

Finance Plan	DISCOUNT SCHEDULE	
	John Deere Financial	RABO
Purchase & Approval Date	Fixed 0%	Fixed 0%
October 2020	7%	7%
November 2020	6%	6%
December - January 5, 2021	4%	4%
January 2021	3%	3%
February 2021	2%	2%
March 2021	0%	0%
April 2021	0%	0%
May 2021	0%	0%
In Season	0%	0%



LEADER UPDATE

By Daniel Call, CCA

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As harvest arrives, this is an exciting part of the growing season for all of us at Seed Consultants. Our excitement is even greater this year as we introduce a significant new lineup of both corn and soybean products. This is a class of new releases we have been anticipating and watching for a couple years. With these new products, we get to expand some exciting new trait offerings such as Enlist E3® soybeans and Qrome® corn.

With all the environmental struggles our customers have faced over the past 3 years, we believe these new releases will bring additional yield consistency and resiliency for years to come. We will protect these genetics with the best seed applied products available to defend your investment from whatever the environment delivers annually.

2020 will be the 30th harvest for the Seed Consultants brand. We have experienced many

different growing seasons, but our customer's strong determination and ability to adapt to the changing weather, disease, weed and insect pressure has been incredible to witness. Without question, we will continue to endure challenging springs and growing seasons much like 2020. Seed Consultants' focus has always been identifying and selecting products bred and engineered to handle these difficult growing seasons. We look forward to servicing your changing needs into the future.

With the busy harvest season upon us, we ask everyone to have a safe and successful harvest in 2020. Please take the extra steps necessary to be careful during the fall rush.

Thank you for your business!



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Don't miss a thing

The SCI free e-newsletter comes via e-mail every Monday. The newsletter is packed full of current agronomic topics. Subscribe by sending your e-mail address to matt@seedconsultants.com or by signing up on our website at

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