

Recharging Moisture

There is a lot to unpack in this issue of The Headlands. From the three different planting windows to excessive rainfall there has been a lot that has happened since first turning a wheel during the 2024 season. I'll do my best to cover what I believe are the main drivers of current crop conditions as well as what can be done to make sure this crop finishes strong but understand that we are only halfway through this growing season. With the exception of a few fields that have irreversible damage to them we have a lot of potential in this year's crop

With the anticipation of fall football just around the corner I'll liken the current state to us coming out of our halftime huddle. We have two more quarters of game to play and we are only down by a few points. This year has thrown a challenges we haven't seen in some time but that doesn't mean we can walk away from a growing crop. Use this time to continue learning and keep progressing. Never walk away from a growing crop.

Dealership News



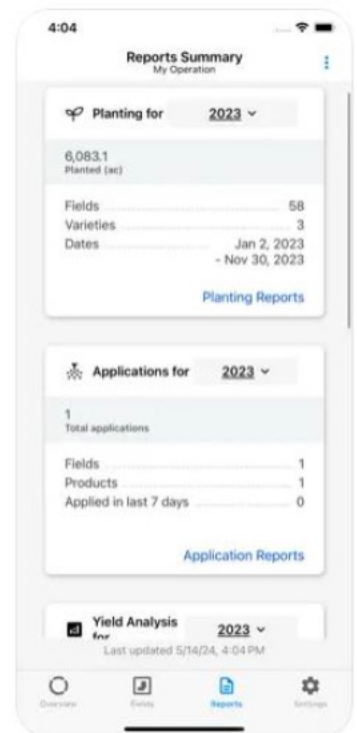
FieldView Reports

After the first of the year FieldView released a couple new enhancements on their FieldView analysis app. One of the most useful features released is the "Reports" tab. Here you can look up Planting and Application reports, season over season yield and aggregate soil data across your operation. This is by far the easiest way to quickly pull up a planting date for corn acres or maybe where you left that check strip of side-dress nitrogen this spring. All these reports can be generated on a CSV or PDF file that can be shared or printed off for hard copy. After the combine rolls through and yield data is captured, you will be able to compare season over season by specific field and applications. To me this is where the power comes in on how one can start to evaluate hybrids, different application rates, and even tillage practices.



Looking for Fungicide & Insecticide?

Last week as I was making my rounds on soybean fields I found the first traces of soybean aphids. The numbers were low averaging 10-15/plant but the thought that these things should have drowned wasn't the case. There may have been some mortality from heavy rainfall but not enough to delay or make a dent in their populations. This will be a pest in soybeans we will need to keep an eye on as thresholds are met. The silver lining...? I suspect our population or chances of having a two-spotted spidermite outbreak are low. The abundance of moisture and leaf wetness provides a great environment for a fungal pathogen called neozygites that will attack all stages of the mite population. This natural occurring disease can keep populations low enough where an insecticide would not be needed. Back in the insecticide toolbox this year is the active ingredient chlorpyrifos. If you recall, products like Lorsban and Warhawk were all were pulled from the market by the EPA. They have since been reinstated with a conditional registration use for food crops in Minnesota for 2024. Under the current label the applicator will have until June 30th, 2025, to legally apply this product, unless the label is renewed for longer. This is great news for us, in many cases it has been a struggle controlling aphids or corn rootworm beetles with just pyrethroids in the past few years. I will be carrying a similar product, Pilot 4E this season on a first come first serve basis, please reach out if you have any questions.



A good supply of fungicide will be in stock as well for those considering protecting against late season disease while simultaneously increasing plant health. This season we will need to look at applications on a field-by-field basis as to where one should be applying a fungicide, especially in the corn crop. When it comes to soybeans, I am a little more willing to make the call on getting these sprayed with a fungicide. The environment is conducive for leaf diseases this year in soybeans. Things like septoria brown spot, cercospora, and frog eye leaf spot are loving the high humidity environment we are having so protecting against these foliar diseases may be beneficial. Give me a call, let's talk about what insecticide/fungicide best fits your operation. Prices are very competitive with both branded and generic options.

Could add fungicide timing charts & CRW/Aphid threshold values

The Watch – Know Before you Grow

The last few years I have worked with a few of you on tracking corn rootworm pressure by placing sticky traps in your fields. This sticky trap is a way to better understand CRW beetle pressure at time of silking as well as prominent species found in your field. Bayer has also launched a program this growing season to help you with tailored support and resources while you monitor your fields. By joining The Watch you will receive a free Corn Rootworm Pressure Starter Kit with sticky traps – if interested visit this site: www.Traits.Bayer.com/TheWatch or give me a call.

If you have questions about corn rootworm pressure and would like me to check for root feeding or placing sticky traps, please reach out. I will start lining up fields at the end of July and track them weekly in areas where we suspect greater than normal pressure.

that will include more of our new VT4PRO and SmartStax Pro technologies to improve below ground rootworm protection in your neighborhood.

There are exciting times ahead for Channel Seed Company and I already can't wait to get started with our new portfolio next fall and to help you succeed on your farm! -Matt Vogel, Renville/Brown Cty Field Sales Rep, Channel

Seed Shed Face Lift

Even though I thought the Morton buildings "seafoam/teal green" was about to come back in style it was decided to change the color of the seed shed this summer. A high wind and hail event back in spring of 2022 provided me with the opportunity to reclad the building. Country Wide Lumber out of Hector and Triad Construction replaced all new steel while adding a soffit and wainscot. New business signs and logos will be displayed in the coming months and once complete it should be good for another 35+ years.

Crop Protection Options

As business evolves at Circle H Agronomy and Seed, I am continuously looking for opportunities that provide value to the grower as well as creating a year-round approach to crop planning. Starting in January I will be offering selected crop protection products through a partnership with Titan Pro.

Through an exclusivity agreement I'll be working with Titan Pro's chemistry division and aligning with their payment schedule and financing options. I feel they fit my business model the best through product knowledge, chemical provider options and competitive pricing. As you put together your chemistry crop plans for 2024, please reach out and let's see what options they have to offer for your operation.



Climate FieldView Pricing Change

I distinctly remember the launch of the Climate FieldView software and the FieldView Drive. Why? Because at the time my role was the western MN Climate Business Manager where I spent most of my day connecting/reconnecting a Bluetooth Drive and also teaching many to use an iPad for the first time. We've come a long way since then, growers are fluent with mobile devices in the cab and FieldView is just "part of your operation" collecting data to analyze and make informed decisions on. Since 2015 in its inception Climate Fieldview has taken on many different cost structures; \$999/yr, Free, \$99/yr, etc. due to its ever-changing software offering. Much like your subscriptions to Hulu, Spotify, or John Deere, the enhanced features and functionalities in Climate FieldView will move to a different yearly

subscription price for 2024. Like previous years it will be broken down into a three-tier offering: Prime, Plus, and Premium. For 99% of you the Plus offering for \$299/yr will be what you need. The Plus offering buys you the cloud service to sync data, yield analysis, and manual scripting. Moving forward, you will see added reports in yield analysis such as season over season, yield by seed treatment and application. As always there are ways to utilize rebates for a cheaper subscription. If you use BayerPlus or purchase 100 units of Channel seed, you'll receive a \$100 rebate off subscription pricing. This pricing change has already been implemented but you will not see it until your Climate FieldView subscription has ended. Please reach out with any questions, we'll try to make this as seamless as possible.

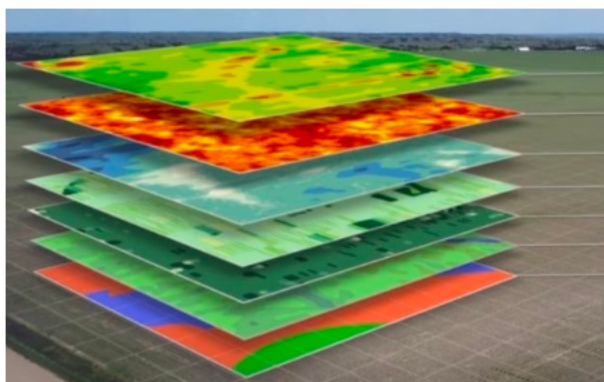
Prime	Plus	Premium
For growers new to FieldView who want to move their operation from pencil to full potential.	For growers who want to get even more out of their data: to learn what happened, see what could, and share that information with trusted partners.	For growers who want to get the most of their data, manage their farm with acre-by-acre precision, and receive personalized insights and support.
KEY FEATURES	KEY FEATURES	KEY FEATURES
- Data Upload - Weather Forecasts	- Data Streaming - Field Region Reports - Yield Analysis - Field Health Imagery	- Includes All Plus Features - FieldView Seed Scripts - FieldView Insights - FieldView Premium Support - Unlimited Cloud Storage
\$0/year	\$299/year	\$799/year

Agronomic Update

Bookmark 2023 Yield Maps

"Variable Rate Technology" – The ability to vary the amount of fertilizer and or seed, based on variations in the soil and or crop. Pretty simple and straightforward definition for a term we use in agriculture on a daily basis. What isn't so easy is how does one get to that final product? The multi-color zone map that shows your field variation to the exact hilltop or old since forgotten livestock pen. Creating this stand-alone map is not easy, it takes many different layers and many times a yield map is a key contributor. But... I can't just use any yield maps from a random year, they must best represent the highs and lows of that field. In my opinion, this is exactly where the value comes from when you look at 2023 corn yield maps.

Data Layers That Make Rx Maps a Challenge
Multiple crops in field boundary
Replants
Large gap in product performance
Drowned out areas
Missed fertility applications
Fungicide blocks



2023 Yield
Imagery
Topography
2017 Yield
Soil OM %
Soil

When discussing seeding prescription maps, we often refer to “junk data in = junk data out”. To help identify “junk data” I noted a few of the things I’ve ran into over the years. For this season we didn’t experience widespread replants. A large portion of the time replants are in the most productive, low-lying area of the fields. Depending on the season replants can be a home run or bust so when you can remove this variability it’s a great starting point. Soil maps are *good*, but we all know the limitations of how accurate the lines are. The water stresses the crop experienced in 2023 helped to redefine these areas following the changes in organic matter percent from one part of the field to another. Other years of yield data that have worked well for seeding prescriptions are 2012 and 2017. I will add that the one hesitation to 2023 yield maps may be the border effect that plagued some fields late season. A combination of excessive heat over Labor Day weekend, compaction, and possibly herbicide drift led to many field averages falling off due to border rows. Keep this in mind when building your own or working with consultants on seeding maps. Whether you are an expert at creating seeding RX maps or simply a novice, the yield map of 2023 should be bookmarked for future variable rate prescriptions.

Prior to the commercial launch of a Channel hybrid they are tested at six different populations rates; 24K, 32K, 36K, 40K, 44K, and 50K. From these studies they are able to create a population curve on optimal seeding population for each hybrid. This information is then combined with hybrid characterization such as stalks, root, plant height, and overall stress tolerance to create our population factor. I’ve highlighted a number of the Channel hybrids to aid in creating a seeding prescription.

Greg Haubrich
CCA

Seeding Rx Chart

Hybrid	Population Factor (Normal Pop x Factor = Rec Pop)	Ear Type
197-70TRE	0.96	Semi - Flex
199-45VT2P	1.04	Semi - Det.
200-23VT2P	0.94	Semi - Flex
201-07SSP	0.92	Semi - Flex
201-14VT2P	0.94	Semi - Det.
203-70TRE	1.04	Semi - Det.
207-87VT2P	0.96	Semi-Flex
208-38VT2P	1.08	Semi-Det.

