

PIONEER PREMIUM SEED & TREATMENTS, CROP INSURANCE, AGRONOMY SERVICES, FIELD DAYS, SEED WHEAT, SEED DELIVERY, & PERSONAL SERVICE

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ALFALFA SEED CHANGES

Pioneer has decided at the end of 2024 to discontinue selling alfalfa seed. They have sold this part of the business to DLF a forage company. DLF purchased Pioneer's seed line up and genetic pool. DLF has also purchased several other forage companies including Dairyland.

Pioneer reps will work with DLF to sell an exclusive brand called Forage Fist. This is a brand segment that has been utilized by Pioneer in the past.

I actually see this as a good change. Alfalfa was a secondary product line to Pioneer and having a company who concentrates on forages will be a welcome change. There will be some of both alfalfa lines this fall in the transition period for supply reasons then we will switch January 1st 2025 to Forage First. If you have any questions don't hesitate to reach out to us.



EFFECT OF HEAT STRESS ON CROPS

Producers in Kansas are familiar with the effects of drought stress on summer row crops. But high-temperature stress can also affect crop development and yields, and this is not always associated with drought stress. Row crops grown under full irrigation sometimes have below average yields in years when temperatures are unusually hot during the sensitive stages of crop development. If crop yields are less than expected given adequate rainfall or irrigation, look at temperatures during flowering and grain fill, which can explain part of yield variability across years.

Corn—By late July or early August, most of the corn in Kansas has been pollinated and is moving into grain filling. Within 10 to 14 days after pollination, a corn kernel can be aborted in response to drought stress combined with high temperatures. Once the kernels are at or beyond blister stage, the final kernel number won't change much but kernel weight can.

After the blister stage, yield is determined by grain fill rate and duration. Research has indicated that 72 Degrees F is the ideal temperature for grain fill in corn. The rate of grain fill usually goes up with higher temperatures, meaning that more dry matter is deposited in the grain on a daily basis at warm temperatures than at cold temperatures. The problem is that the duration of grain fill typically is reduced at high temperatures. There are fewer days available to deposit dry matter in the grain. The balance of these

two responses to high temperatures determines how much yield might be reduced, if any.

A controlled-environment study in Canada in the 1980's showed that increasing the day temperature (day/night temperatures of 95/59 vs. 77/59 degrees F) reduced yield by 42%. A more recent study at Iowa State compared increases in both day and night temperatures (93/77 vs. 77/68 Degrees F) during grain fill. The higher temperatures increased grain fill rate by 19%, but cut the duration of grain fill by 5 days, resulting in a 7% reduction in kernel size and 10% reduction in protein content. It is important to remember that these temperatures were imposed during most of the grain fill period. Actual temperatures can be even higher than these, but typically do not last the entire grain fill period.

Sorghum—According to research conducted by Vara Prasad, K-State crop physiologist, and others, the two stages of grain sorghum reproductive development most sensitive to high temperature stress are flowering and 10 days prior to flowering. In their research they used controlled environments to impose a day/night temperatures regime of 104/86 degrees F for 10 day periods at various stages of plant development. High temperatures stress in the pre-flowering and flowering stages caused maximum reduction in seed set, seed numbers, and seed yields. Early seed filling periods were more sensitive to high temperature stress than

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TO THOSE OF YOU WHO HAVE PUT OUT PLOTS THIS SEASON. WE APPRECIATE YOUR TIME AND THE EFFORT IT TAKES TO DO THIS.



VISIT WWW.WILDCATAGRISERVICES.COM - TO LEARN MORE ABOUT PIONEER PRODUCTS!

PIONEER SEEDS :

LATE JULY CORN
SCOUTING TIPS



Type this into the search bar to find it.

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WILDCAT AGRI-SERVICES FIELD DAY IS THURSDAY AUGUST 8TH AT 7 PM

August 8th at 7 P.M. is the date of this year's field day. Anyone interested in evaluating new corn and soybean products including many that contain crop protection and other value-enhanced traits, will want to attend the field day and BBQ dinner sponsored by Wildcat Agri-Services Inc. The field day will be held at the warehouse located 1/2 mile west of Sedgwick on 4th Street.



This event will feature many new Pioneer ® brand corn hybrids and soybean varieties available for the 2025 growing season. Pioneer agronomists will be on hand to talk about Pioneer's lineup of products. We have number of the newest varieties and hybrids growing in local test plots and encourage producers to come out for a first-hand look. This will be a great opportunity to learn about new products from Pioneer that are bred specifically for our area.

WILDCAT AGRI-SERVICES & PIONEER HI-BRED PAYMENTS ARE DUE NOW

Recently you should have received an updated invoice on your Pioneer seed account. **After August 3rd we will have very limited ability to make changes to Pioneer invoices.**

Please make your seed purchase payments out to Pioneer Hi-Bred Int.

If you also purchased seed treatments from Wildcat Agri-Services, you will also receive a bill for those purchases. **Please pay Wildcat Agri-Services for seed treatments.**

Please review your billings and call us if you have any questions. If you feel that you cannot meet this deadline to make your payment (s) please contact us as soon as possible.

THANK YOU FOR YOUR SUPPORT OF WILDCAT AGRI-SERVICES

We wanted to take a moment to recognize the fact that you do have choices when it comes to whom you partner with on your seed selections. There are many good hybrids and varieties out there, as well as folks who offer them. Sometimes we may forget in the heat of the moment to say

“Thank You”

for supporting Wildcat Agri-Services through your purchases of Pioneer seed, and other ag products. Evenings, and weekends, we figure its all part of the job—again part of being a local independent dealer.

Thank you again for supporting Wildcat Agri Services. Good luck in the months ahead.

EFFECT OF HEAT STRESS ON CROPS CONTINUED

later periods.

Seed yield losses during post-flowering stages were mainly due to decreases in seed size. How are high temperatures reducing yields in sorghum? Lower seed yields were not the result of decreased leaf photosynthetic rates, as the rate of photosynthesis remained constant even under continuous exposure to high temperature stress. This suggests that high temperature stress reduced seed size by decreasing seed filling duration, without an increase in seed filling rate to help compensate.

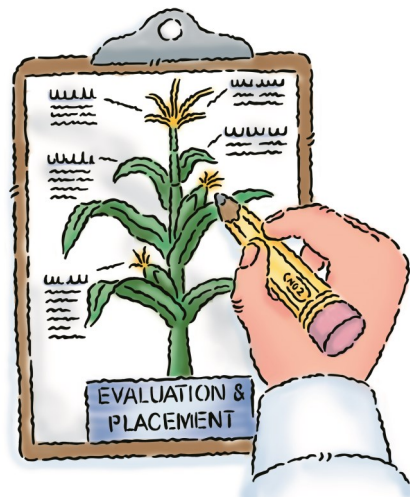
Soybean—Exposure to heat stress during flowering results in pollen sterility and reduced seed set. Lower seed set under heat stress can be caused either by problems with pollen release or by decreased pollen viability or ovule function. The impact of high-temperature stress will be different for determinate and indeterminate varieties. Indeterminate varieties (typically MG IV and below) develop flowers over a longer period to time. Plants that are stressed by heat can compensate and form new flowers and seed set later if environmental conditions improve. Also, a decrease in seed set and numbers can sometimes be partially offset by greater seed size.

In contrast, determinate varieties (typically MG V and above) flower over a shorter period of time. Stress during this period can have a great influence on reproductive development. High temperatures soon after seed-set cause abortion of embryos, leading to fewer seeds per pod. Studies at The University of Florida, have shown that reduced seed size in soybean is a result of decreased seed filling rate. In addition to the impact on seed number and size, heat stress can reduce grain or seed quality. Heat stress increased the percentage of shriveled seed and influenced seed composition. Oil concentration increased with increasing temperature with an optimum at 77 to 82 degrees F, above which the oil concentration declined.

Seed protein concentration of soybean was constant at temperatures between 60 and 77 degrees F, but increased at temperatures above 77 degrees F. Oil and protein concentration were inversely related to heat stress during seed fill. Soybean plants grown at high day (95 degree F) and high night (86 degree C) temperatures produced seed with reduced germination and subsequent seedling vigor. Greater reductions in seed germination and seedling vigor were observed with longer duration of exposure to high temperatures, especially during seed fill and maturation.

HYBRID EVALUATION FROM CROP QUEST

As we head toward maturity of this year's crop, this is a great time to start evaluating the hybrids that you planted this year, and also start evaluating newer hybrids that you will have the opportunity to see in test plots in your area. The combine will give us the final judgement, but we can learn a lot from observing how each hybrid looks during the growing season. Evaluations such as—how well did the hybrid withstand drought, wind, nutrient or soil conditions, ear flex, crop canopy, disease tolerance, etc.



The observations will help you determine whether a hybrid should stay in your lineup, or whether you need to find alternatives. It is likely that newer hybrids and varieties will have some yield improvement over current product lines, so incorporating new hybrids and seed technology

each year is vital to increasing your year over year potential.

Choosing the right hybrids and seed technology is one of the most crucial decisions that a grower makes. Matching specific hybrids to specific fields and conditions is equally important. We encourage you to visit your local seed plot tours to get a look at new hybrids and technology.

Meet with your representative from seed your company to discuss new hybrids or varieties. In addition, studying yield data, evaluating performance, and noting problems. With this information in hand, you can choose the best variety for each field. Helping you to have a successful growing season ahead.



AG RISK MANAGEMENT
Crop Insurance today offers...Lots of choices, if you want a crop insurance agent that can help you make choices from a farmers perspective contact Steve McGinn at 316-284-1935

LIKE US ON FACEBOOK AT WILDCAT AGRI-SERVICES 

2024 FALL WEIGH WAGON PROGRAM

We will have a weigh wagon available this fall for testing yields against both competing products, side by side comparison of Pioneer products and yield checks. This is very important to better establish where to place hybrids in your fields. Any & all yield data and product results are of the utmost importance to you and to us. You may call us and we will make every effort to get to your weighs in a timely manner.



As a thank you for participating in a corn or soybean test plot or side by side comparison you may choose from one of the gifts above. A Carhartt hooded sweatshirt, an LED toolkit, or a creeper. Limit one per operation.

PIONEER INNOVATION DAY AUGUST 15TH

New this year Pioneer is hosting an Innovation Day for farmers. This field day will focus on showcasing the new Pioneer products, as well as Corteva's new Crop Protection and Biological products. There will be a total of 8 plots, including corn, soybeans, sorghum, and cotton.

Registration starts at 9:00 am with the events to follow starting at 9:30 am. Lunch will be served after all the plots have been toured. Please scan the QR code or call or text Corey, Tye, or Mike to RSVP.



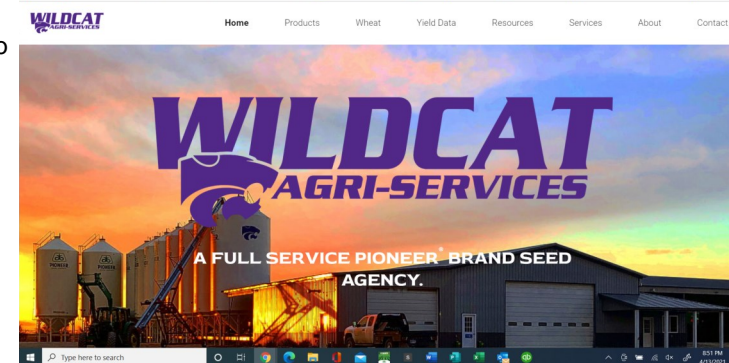
Innovation Day Location: 1379 N. Meridian Rd, Mulvane, KS. 67110



WILDCAT AGRI-SERVICES WEBSITE

Don't forget to check out the Wildcat Agri-Services website www.wildcatagriservices.com We are always adding new information to it. Some recent additions include

- ⇒ New Z Series Soybeans information
- ⇒ Local Soil Temperature link
- ⇒ 2024 Characteristics Guide
- ⇒ New articles added to many agronomy topics on the **RESOURCES** page.



We hope that you find the site useful and easy to use. We have even included links for the local weather, grain markets at local Co-op's, and useful links such as Case IH and JD parts catalogs.

CALL TODAY TO RESERVE YOUR WHEAT SEED!

⇒ WB 4422	⇒ AP WOLVERINE	CONT CT: ///		
⇒ WB 4699	⇒ AP MONUMENT	Š NNERÆ TZÆ		
⇒ WB 4401	⇒ AP BOB DOLE	316-284-1597 ///		
⇒ WB 4523	⇒ OGI DOUBLE STOP	///		
⇒ LCS ATOMIC	⇒ AND MOST OTHER VARIETIES	Ł IKEÆCGINN		
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⇒ KWA ZENDA		ŠYEÆNGELÆ		
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