

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

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## HARVEST TIMING EFFECT ON CORN YIELD

### BACKGROUND AND RATIONALE

- When harvest is delayed due to weather or other factors, it is not uncommon to observe lower yields in the portion of the field harvested later than the portion harvested earlier.
- There are a number of possible reasons why yields may decline with later harvest, including ear drop, stalk lodging, insect feeding, ear rots, and greater harvest loss
- Dry matter loss resulting from kernel respiration during grain dry down has also been hypothesized as an explanation for lower yields with later harvest dates, although recent research has failed to detect significant loss in kernel dry matter following physiological maturity.
- Lower grain moisture at harvest can result in greater shelling at the header: however: there is very little recent research to indicate how much this may contribute to lower yields with later harvest dates

### TRIAL DESCRIPTIONS

- Trials were conducted at 14 locations
- Fields were selected based upon grower convenience for harvesting at two different times
- 8 different corn hybrids were used ranging from 101 to 118 CRM

- Caution was used to prevent as much stalk lodging as possible by leaving extra rows on either side of the harvested strips.
- Moisture targets were >25% (Early Harvest) to <20% (Late Harvest)
- One round was harvested and weighed for each time
- Pre-harvest and harvest loss was measured at 6 of the locations

### RESULTS

- Due to the rapid dry down of the grain experienced across much of the Midwest in 2018, moistures at early harvest were generally below the target range.

Table 1. Harvest date, grain moisture, and yield for early and late harvest timings at each trial location.

Loc	Harvest Date		Grain Moisture		Yield	
	Early	Late	Early	Late	Early	Late
			— % —		— bu/acre —	
1	Oct 16	Nov 2	23.0	15.9	238.7	216.2
2	Sept 25	Oct 25	21.1	15.1	269.5	248.4
3	Sept 17	Sept 26	23.1	17.9	231.1	210.2
4	Oct 15	Nov 1	25.0	17.0	235.3	222.2
5	Sept 20	Sept 28	19.9	18.0	232.1	221.4
6	Oct 2	Oct 24	21.6	16.4	290.5	280.3
7	Oct 18	Oct 31	24.0	18.5	275.5	266.0
8	Sept 25	Oct 17	20.4	19.2	271.2	264.7
9	Sept 20	Sept 28	20.1	18.0	243.7	238.4
10	Sept 26	Nov 8	21.8	17.4	266.0	261.9
11	Sept 20	Sept 28	19.7	17.5	213.1	210.4
12	Sept 26	Nov 8	21.1	17.4	269.3	268.2
13	Sept 20	Oct 25	19.6	14.0	260.4	261.2
14	Sept 26	Nov 8	21.4	17.4	266.0	268.0

Continued on page 2



# Thank You!

to everyone who attended the 23rd annual field day at the warehouse near Sedgwick. John Heimerman Pioneer Agronomist provided in depth information about varieties, technologies, and agronomic issues in our area. Great information about products and challenges we faced this season were also discussed. We appreciate your support and interest in learning about the new Pioneer hybrids that will be available in 2022.



## HAVE SOMETHING TO SELL?

IF YOU WANT TO ADVERTISE FARM EQUIPMENT OR FARM RELATED ITEMS YOU MAY DO SO FREE OF CHARGE. DEADLINE IS THE LAST DAY OF EACH MONTH. SEND YOUR AD TO [SUSANNAH.MCGINN@PLANTPIONEER.COM](mailto:SUSANNAH.MCGINN@PLANTPIONEER.COM)

**1200 FEET OF GATED 8" PVC PIPE.** 620-386-0569

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**MISC. ALUMINUM IRRIGATION Fittings** \$25 each. Line valves \$50 each. 8 & 10 inch size. 316-284-1935

**PRECISION PLANTING PARTS**—Call Mike for pricing on parts. 316-772-7171

These young men have spent many hours working for Wildcat Agri-Services this year. They have unloaded semi's, sorted customer orders, organized the warehouse, treated soybeans, driven hundreds of miles delivering products to your farms, picked up returns, put up field signs, loaded return Pioneer trucks, and much more with smiles on their faces.

We appreciate all the hours they put in to keep up with the workload during our busy times. From left to right they are:

Dillon McGinn—Freshman at K-State majoring in mechanical engineering  
Drew McGinn—Junior at Sedgwick High School  
Tate McGinn—Senior at Sedgwick High School  
Logan McGinn—Sophomore at Sedgwick High School  
Mason Love—Senior at Sedgwick High School



## PIONEER 2022 INFINITY PROGRAM

For 2022 Pioneer is continuing the three levels of the Infinity Program from last year. They are Platinum, Gold, and Silver. Benefits and qualifications for each are listed. It's not too early to start planning for 2022.

YOY= year over year PY = Prior Year



### Platinum Level

#### Qualifiers

**100% Customer OR**  
**> 10% YOY Acreage growth OR**  
**>100 YOY Acreage growth**  
**AND**  
**Payment by Dec. 3rd 2021**

#### Benefits

**100% Replant**  
**Granular Insights—Platinum**  
**Financing: Prime -1 @ 22% OR 0% @ 17% discount**

### Gold Level

#### Qualifiers

**Retain Acres (90-109%) of PY acres**  
**AND**  
**Payment by Dec. 3rd 2021**

#### Benefits

**75% Replant**  
**Pioneer Customer Bonus**  
**Financing: Prime -1 @ 17% discount**

### Silver Level

#### Qualifiers

**Invoice & Payment by Feb 25th 2022**

#### Benefits

**50% Replant**  
**Financing: Prime -1 @ 12% discount**

## ALFALFA SEED & INOCULANTS

Premium alfalfa is in somewhat limited quantities. If you are considering planting fall seeded alfalfa please try to let us know as soon as possible. Blended alfalfa is in good supply at present.

**Alfalfa:** Pioneer has a good supply of Alfalfa varieties, for fall seeding in both blends and pure lines available.

**Inoculants:** Silage, high moisture grain, and alfalfa inoculants are also all available. All inoculants are in good supply, but some are a special order item, so plan 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 316-284-1935



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## 2021 WILDCAT AGRI-SERVICES WHEAT TEST PLOT RESULTS

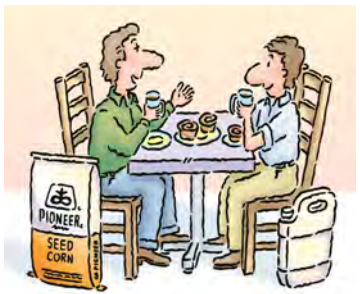
BRAND	PRODUCT	TEST WT	MOISTURE	YIELD
WestBred	WB4269	64.1	9.6	78.4
WestBred	WB4401	64.7	9.6	90.7
WestBred	WB4699	62.3	9.5	88.9
OGI	Double Stop	63.7	9.5	76.9
KS Wheat Alliance	Zenda	64.6	9.8	80.6
LCS	Hatchett	64.5	9.6	84
KS Wheat Alliance	Experimental	62.7	9.5	82.5
LCS	Photon	64.7	9.7	74.3
LCS	Steel	62.4	10.6	72.8
LCS	Chrome	63.5	9.8	69.5
AgriPro	SY-Wolverine	65.2	10	69.3
AgriPro	SY-Bob Dole	63.9	9.7	71.1
AgriPro	SY-Monument	65.1	9.6	82.4

## SEED PLANNING FOR 2022

We have had a few customers starting to get with us on estimates on orders for the 2022 crop year. We know that it seems early, but the sooner we know the demand the better off we will be in attaining additional supplies of the leading hybrids.

Some of you would have liked to of had more of some certain hybrids this year that were limited. This may continue to be a problem again in the future, but the early orders always seem to have a better chance at the hybrids and varieties and quantities wanted.

Please let us know if you  
have interest in getting  
an additional 2%  
seed discount by  
**October 29th 2021**



## HARVEST TIMING EFFECT ON CORN YIELD CONTINUED

- Extended periods of rainy weather resulted in long delays between early and late harvest at some locations.
- Yields differences between early and late harvest varied widely across locations from a decrease of 22.3 bu/acre to an increase of 2 bu/acre with later harvest. On average yield was 8.9 bu/acre lower with later harvest
- Difference in grain moisture between the two harvest timings also varied widely across locations from 1.2-8% points
- Pre-harvest loss due to ear drop was negligible at all locations
- Harvest loss tended to increase with lower grain moisture across locations and harvest timings
- Measured harvest loss only partially accounted for the differences in yield between harvest timings observed at some locations
- However there was a correlation between the difference in yield with both harvest timings and harvest loss; locations with lower yields at the later harvest timing also tended to have more harvest loss

### CONCLUSIONS

- Results of this study showed that corn yield tended to decline with later harvest on average. However it is not clear why and results varied widely among locations.
- Greater harvest loss only partially accounted for lower yields
- The lack of correlation with grain dry down or length of harvest delay tends not to support the hypothesis that reduced yields are due to dry matter loss from kernel respiration

## Fall 2021 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. Any and all yield data and product results are of the utmost importance to you and us. Call us and we will make every effort to get to your weights in a timely manner.

Receive a free Pioneer sweatshirt as a thank you gift from Wildcat Agri-Services for taking the time out of your busy harvest schedule to complete the weigh.



June's video is  
**ASSESSING THE  
VALUE OF YOUR  
ALFALFA SEED**

**PURCHASE.** Type this into the search bar and it will show up for you. More videos can be seen @ Pioneer Seeds.

### Contact Information

#### PIONEER & WHEAT SEED

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susannah.mcginn@plantpioneer.com

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⇒ BOB DOLE  
⇒ LCS CHROME  
⇒ WB 4458  
⇒ WB 4699  
⇒ WB 4401  
⇒ WB 4269  
⇒ LCS PHOTON  
⇒ LCS HATCHETT

⇒ BENEFIT  
⇒ WOLVERINE  
⇒ DOUBLE STOP  
⇒ ZENDA  
⇒ SY MONUMENT  
⇒ BLENDS  
⇒ AND MOST OTHER  
VARIETIES

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KOREY CARMICHAEL 316-641-3160



WHEAT  
ALLIANCE

## DON'T FORGET DECEMBER 1ST 2021 IS THE PIONEER DEFERRED PAYMENT DEADLINE

In *October* you will receive a final Payment Reminder and payment coupon from Pioneer. No further statements will be sent to you.

If you wish to pay off your loan prior to the due date of December 1st you will need to call 1-800-248-4030 then choose option 1 for your current payoff amount.