

McKay Seed
Company
Newsletter

Fall 2024

VARIETY
DISCUSSIONS

UPDATE ON
WHEAT
MARKETING

ROSALIA AND
THORNTON REPLICATED
TRIALS

PROSPER



Cool Spring Brings Great Winter Wheat Yields

Portland Price
Settles at \$5.75/bu
for SW

I like to present some of our insights every year before the seed season starts. Here in Almira, we are mostly done with harvest with only a few spring crops yet to bring in. Further east in Lincoln county, most of the spring crop harvest is also about finished. In your area around Rosalia, spring crops are just starting to harvest with lentils well under way.

LCS Shine had a great year, not only in plots, but also with local growers. It is important to remember that every year is different, and it wasn't long ago that Sockeye was winning all the trials. I like to see growers plant multiple lines if possible, rather than relying on one line for their farm. As you know, we have a pretty large geographic area for our seed sales. I just wanted to note that the Shine planted in the Odessa area last year experienced a great deal of winterkill with many growers replanting whole fields. Please take the Shine exuberance with some measured knowledge and hedge your bets next year with some diversity in your planting. With that said, we do believe we have plenty of Shine for all your needs.

We have included several yield trials that Michael McKay and his Highland Specialty Grains team have compiled for us. The Rosalia plot was plant back on spring wheat while Thornton was summer fallow. Here are the comments regarding the plant back Rosalia site:

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Seeds For Success



N24 Rosalia Re-crop SWW

Row Labels	Bu./Acre	2 Yr. Avg.	TW	% Protein	Height	Heading
LCS Hulk	109.1	88.0	60.7	11.1	35.0	161.0
VI Encore CL+	105.2	87.0	60.0	11.9	36.5	163.0
LCS Blackjack	112.1	86.0	57.1	10.4	33.5	161.0
Piranha CL+	100.1	84.6	59.5	10.2	38.0	162.0
WAB405	105.9	84.4	57.9	11.7	37.5	163.0
ARS Castella	105.6	83.3	59.5	11.5	37.5	163.5
5Y Dayton	101.6	82.4	59.5	10.5	34.0	161.0
17 995133B	108.1	82.3	60.5	11.2	34.5	159.5
Nova AX	94.4	80.4	56.4	12.9	39.0	162.5
LCS Jefe	104.6	79.4	57.8	10.7	35.5	161.5
LCS Shine	103.8	79.2	57.9	9.8	30.5	158.5
WAB398	107.3	78.7	57.6	12.0	37.5	162.5
WAB336	96.9	78.4	56.5	10.3	31.0	165.0
WAB345AX	93.7	77.9	58.7	11.1	37.5	162.0
16-478001	95.6	77.9	59.6	11.5	36.5	160.5
14-211120A	103.4	76.5	59.3	10.4	38.0	159.5
NW Tandem	90.9	76.4	58.4	10.6	30.0	160.5
Sockeye CL+	91.5	75.7	59.3	10.7	38.0	163.0
VI Voodoo CL+	95.3	75.5	58.8	10.6	32.0	162.0
WB 1621	87.5	72.9	62.4	10.7	36.0	161.5
NW Duet	87.6	72.8	58.1	10.8	37.5	165.0
Inspire	91.4	70.4	56.1	11.8	39.5	163.5
AP Exceed	79.0	67.1	59.3	11.2	34.0	157.0
LCS Kraken AX	76.8	62.6	57.9	13.0	31.5	162.5
WB 1545 (XG130B)	102.1		60.4	11.9	37.0	158.0
GSW23-54	91.1		58.8	11.5	40.0	165.0
LCS Kamiak	120.0		59.1	12.4	35.5	157.0
XG 1305	104.6		61.4	11.7	33.5	156.0
GS Bounty	76.8		57.6	11.9	39.0	162.5
GSW23-53	75.3		55.0	11.6	37.0	162.5
mean	97.2	78.3	58.7	11.2	35.8	161.4

c.v.	13.1	8.7
LSD .05	26.0	14.1
LSD .10	21.6	11.7

N24 Rosalia Re-crop HRW

Row Labels	Bu./Acre	TW	% Protein	Height	Heading
LCS Jet	114.3	59.5	11.1	34.7	161.3
Keldin	112.0	61.5	10.6	38.0	158.3
WB 4640 (FX 4303)	108.9	63.0	11.2	33.0	158.3
Gemini (WAB310)	106.9	61.0	11.5	37.7	159.3
APST 110	106.9	59.4	11.9	32.7	157.0
APST 124	106.1	58.3	11.1	33.7	160.0
APST 108	105.6	56.7	11.1	34.0	161.0
LCS Blackbird	102.9	58.9	12.2	30.7	158.3
Scorpio	99.7	59.7	12.1	32.3	160.7
Whistler	99.6	61.2	10.4	37.0	160.7
LCS Missile	99.0	59.9	9.9	34.7	159.7
Guardian	98.1	62.0	11.5	37.0	156.7
WAB403	96.2	60.0	11.6	37.7	159.7
WB 4510 CLP	96.0	62.6	10.2	35.3	156.7
Milestone	95.0	59.9	11.1	33.3	159.0
LCS Eclipse AX	94.6	57.1	11.1	36.7	156.0
Battle AX	91.8	60.2	11.6	33.0	164.3
Carvus	88.2	62.5	11.2	33.0	158.3
GHR23-56	79.5	59.5	11.6	38.0	163.7
GHR23-55	78.0	59.1	11.9	35.7	164.3
mean	99.0	60.1	11.3	34.9	159.7

c.v.	8.5
LSD .05	13.9
LSD .10	11.6

This data is from the Rosalia re-crop site near the seed plant. It was a pretty rough site from the start, it was a difficult stand in the middle of the trial due to some heavy trash. We had a very poor second rep of the SWW trial so that was excluded from the data. The first rep was very uniform and looked nice so I compared the 2-rep data with that and the ranks changed very little so am confident in the results. Overall, I like the data set this year as it has been a very difficult time trying to get a good stand on our re-crop locations. It's interesting that several lines that are usually pretty durable didn't do as well here like the AP Exceed, WB 1621, and Inspire, I would consider these varieties that hold up under the stress but didn't do too well here. The Red wheat trial was actually pretty good and the data aligns with what you would expect.

The chart below shows data from the Thornton summer fallow plot.

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Seeds For Success



N24 Thornton SWW

Row Labels	Bu./Acre	2 Yr. Avg.	TW	% Protein	Height	Heading	Lodging 1-9
LCS Blackjack	170.1	140.2	60.1	12.6	39.7	158.0	3.7
LCS Jefe	153.3	137.4	60.2	11.6	40.7	155.3	2.7
VI Voodoo CL+	155.4	134.4	58.6	13.2	37.3	157.3	1.3
14-211120A	150.6	133.8	59.3	13.0	41.7	156.0	5.3
AP Exceed	155.0	133.2	61.1	13.0	38.0	152.0	3.3
17 995133B	150.4	132.4	62.2	11.9	38.3	156.7	8.0
WA8405	137.6	131.2	59.1	13.1	39.7	156.7	7.7
SY Dayton	146.6	131.0	58.3	12.5	39.3	156.7	5.7
Inspire	153.3	130.1	58.0	13.5	42.7	158.0	6.0
WA8398	135.4	129.4	59.6	13.5	40.0	156.3	6.0
LCS Shine	164.6	129.2	60.6	12.0	37.0	155.7	4.0
Sockeye CL+	138.6	128.8	59.6	13.1	41.0	157.3	6.3
WB 1621	151.8	128.4	63.2	12.5	43.7	156.7	4.3
16-478001	135.4	127.4	59.5	13.0	41.3	158.7	7.0
WA8336	130.9	125.6	57.4	11.9	38.0	156.7	9.0
Piranha CL+	130.4	124.7	60.5	13.2	43.7	157.7	8.0
VI Encore CL+	132.4	124.2	57.0	13.5	41.7	156.7	6.0
LCS Hulk	151.1	124.1	62.3	13.1	41.3	157.7	3.7
NW Duet	136.3	122.4	60.2	12.8	46.3	159.0	3.7
LCS Kraken AX	137.9	122.3	61.4	13.6	43.7	157.0	1.3
NW Tandem	144.8	120.7	59.9	12.2	36.7	155.3	1.0
WA8345AX	128.3	120.1	60.3	13.1	40.3	156.3	6.3
Nova AX	122.2	119.0	58.8	13.3	40.3	156.0	7.3
ARS Castella	118.5	117.7	61.2	14.5	40.7	158.0	8.7
G5W23-53	124.7		55.9	13.9	42.0	158.7	7.3
LCS Kamiak	158.7		61.3	13.3	39.3	152.7	4.0
WB 1545 (XG1308)	151.7		60.3	13.3	40.3	150.7	3.3
XG 1305	147.2		60.7	13.4	39.7	153.7	7.0
GS Bounty	135.9		60.2	13.0	43.0	158.0	4.3
G5W23-54	125.4		60.2	14.0	42.7	159.0	5.7
mean	142.5	127.8	59.9	13.0	40.7	156.5	5.3

c.v.	7.0	10.3
LSD .05	16.4	27.2
LSD .10	13.7	22.6

N24 Thornton HRW

Row Labels	Bu./Acre	TW	% Protein	Height	Heading	Lodging 1-9
APST 124	165.0	61.2	12.0	40.7	155.3	1.0
APST 110	158.4	59.8	12.3	38.7	154.3	1.3
LCS Blackbird	156.8	59.8	13.1	38.7	155.7	1.3
LCS Jet	154.6	61.8	12.6	41.3	154.7	2.0
Scorpio	153.4	60.1	13.2	38.7	156.0	1.0
LCS Missile	152.8	62.7	12.6	43.3	156.0	1.3
APST 108	141.1	59.4	12.0	40.3	156.7	7.0
WB 4640 (FX 4303)	139.3	60.2	12.4	40.0	155.3	8.3
GHR23-56	139.2	62.5	13.3	48.0	159.0	2.3
LCS Eclipse AX	137.8	58.8	12.2	43.0	157.0	7.0
Gemini (WA8310)	136.1	61.4	12.9	42.7	157.0	8.3
GHR23-55	135.4	61.2	13.3	47.3	159.0	2.0
Keldin	133.2	61.7	12.6	40.3	156.3	9.0
Canvas	130.7	62.8	12.8	38.0	153.3	7.7
Milestone	126.8	60.1	11.9	38.3	155.3	8.0
WA8403	125.6	60.7	12.9	43.7	157.7	6.3
Battle AX	125.4	62.4	13.6	40.0	151.3	7.0
WB 4510 CLP	121.0	62.3	13.0	42.3	155.7	8.7
Whistler	114.0	61.3	13.2	39.3	154.0	9.0
Guardian	109.5	61.6	13.8	40.3	153.3	9.0
mean	137.8	61.1	12.8	41.3	155.7	5.4
c.v.	7.3					
LSD .05	16.6					
LSD .10	13.8					

It was great to get this one cut as it was probably our best location of the year, we got nice low c.v.'s and everything seemed to finish well despite the never-ending 4th of July heat wave. The biggest issue with this location was a quite a bit of lodging, most of the advanced WSU trial we had was flat and quite a few of the varieties in the commercial trial went down as well. We can see that for the most part if a line fell down, it found itself near the bottom of the results, standability really separated the pack here. The big standout to me is Blackjack, if my memory serves me correctly, it is a Bobtail/Rosalyn cross so the big watchout is going to be test weight but that wasn't an issue here. AP Exceed did fairly well and stood in 2 of the 3 reps but fell down toward the back where the lodging was the heaviest. I think this is going to be a really good variety to push in this area as it did well on

our highway 2 locations showing it is a bit tougher in dry conditions as well. My only explanation for its drop off in the re-crop trial is that it isn't a variety that is going to do well on a stubble back re-crop, it performed well in 2022 when we followed garbs. WB 1621 had pretty good legs and finished with the best test weight in the trial, what you would like to see from WestBred varieties. Inspire was probably the best performing variety despite quite a bit of lodging, I think it's going to be another variety with a pretty big footprint like the AP Exceed. The big disappointment for me is really just the winter hardiness of Voodoo CL+, we had the opportunity to have a good short variety to replace Magic with if it hadn't been so winter tender.

The red wheats performed about how you would expect them under irrigated conditions, great yields if you can stand. HSG is looking hard at licensing the APST 124 to replace Kairos, it was very good in the Moses Lake data and looks like it might have a bit better adaptation to high rainfall. We had a lot of winter kill at our Moses Lake location and the 124 held up better than both the Kairos and the Jet. Talking with Steve Henning the flat around us yielded around 150 so I am pretty confident in the data being representative of how they would have done on his farm. If you guys have any questions or need more info about any of this just let me know.

I have included the image below showing the different colors of seed treatment for this year: red for traditional wheat, green for Clearfield and yellow for CoAxiom. Last year we tried purple for the CoAxiom and some of our growers commented that it was too dark to find the seed in the ground. As you can see, the yellow is very bright. You should not have trouble finding it when checking for depth.



Marketing Update

Those of you who attended our field day had the benefit of my prognostications on the expected wheat market for the near future. I certainly don't expect to be correct all the time, but I believe I can provide some guidance for issues you can watch for that will help you make solid decisions and perhaps increase the value of your crop. I'm rather optimistic on club wheat as I believe low numbers of acres were planted last fall. Also, the majority of the club acres were grown in areas that had some diminished yield trends this year. For the general soft white wheat market, we need to look at the world market. Currently the strength of the US dollar has caused our wheat to be very expensive. We are seeing other markets increase the price of their wheat to the world for the first time. Russia recently increased fob prices \$21/mt (\$.57/bu) over the past three weeks. This is the first increase in Russia wheat prices since 2022. India is having a run on their domestic wheat with prices rising to over \$300/mt (\$8.16/bu). There will need to be substantial imports into India by late autumn. This is coupled with extreme drought in Argentina and developing dryness in Australia. Canada remains very dry with crop expectations of the wheat crop to be 6% lower than previously predicted. These comments are balanced with world wheat production that is slightly diminished compared to previous years and world demand that will be slightly less than last year. Overall, the seasonal trend is for wheat to be neutral through August and part of September. Autumn and winter should see more demand and a rising world price for cash fob offers.

Thank You!

As always, we appreciate your business. We know you have choices when you're buying seed, so we want to thank you for considering us. If we can do anything better or if you have any questions, please don't hesitate to call us—

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