



Meadowlark Extension District 2016 Wheat Plot - Sabetha

Cooperators: Doug & Leonard Edelman

Field Information:

Planting Date: October 6, 2015
Fertility: 30# N, 40# P, 20# K, 10# S; 60# N topdress (Last week of February, 2016)
Soil Test Results: NA
Fungicide: NA
Herbicide: NA
Tillage: Conventional - light disking of fallow prior to planting
Seeding Rate: 120#
Row Spacing: 7.5"
Plot Width: 13'/Variety
Location: SW of T and 192 intersection, 4 miles W of Sabetha; 39.911878, -95.880545



Planting Order	Variety	Source	Variety Characteristics	Moisture (%)	**Check Adjusted Yield (Bu/Acre)	Test Weight (Pounds)	Yield as a % of Average - 2016	Yield as a % of Average - 2015	Yield as a % of Average - 2014	Yield as a % of Average - 2013
1	Check		No Treatment	11.0	88.6	62.5	110%	---	---	---
2	1863	Kansas Wheat Alliance	Sativa IMF Max	9.9	78.7	62.6	98%	96%	101%	104%
3	LCS Pistol	Limagrain Cereals	Treated	10.0	81.4	62.9	101%	---	---	---
4	WB Cedar	Westbred		9.9	85.5	62.7	107%	149%	102%	102%
5	Everest	Kansas Wheat Alliance	Sativa IMF Max	10.0	74.6	63.1	93%	132%	101%	97%
6	Check		No Treatment	11.0	80.1	62.5	100%	---	---	---
7	T-158	Limagrain Cereals	Treated	10.1	78.9	62.3	98%	---	---	104%
8	Armour	Westbred		9.8	70.8	61.0	88%	106%	110%	103%
9	KanMark	Kansas Wheat Alliance	Sativa IMF Max	9.7	80.6	62.3	101%	102%	---	---
10	Grainfield	Westbred		9.6	78.0	62.0	97%	91%	125%	---
11	Check		No Treatment	10.4	84.9	61.5	106%	---	---	---
12	SY Wolf	AgriPro	Cruiser 5FS	---	---	---	---	---	---	---
13	SY Flint	AgriPro	Cruiser 5FS	---	---	---	---	---	---	---
14	Blend	Grainfield/Cedar/Everest	---	10.2	89.4	62.2	111%	---	---	---

Results are best used in combination with multiple data sources. Kansas Crop Performance Test results are located at <http://www.agronomy.k-state.edu/services/crop-performance-tests/winter-wheat/index.html>. These results are available at www.meadowlark.ksu.edu under the Crops & Soils link.

Special Thanks To:

**Seed Company Representatives for plot entries.
Doug & Leonard Edelman, Plot Cooperators**

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Variety Comments

Production Traits	SY Flint*	SY Wolf	WB-Grainfield	KanMark	Armour	T-158	Everest	WB-Cedar	LCS Pistol*	1863
Winter Hardiness	NA	Very Good	Very Good	Very Good	Very Good	Excellent	Very Good	Very Good	Very Good	Good
Drought Tolerance	Average	Very Good	Very Good	Very Good	Average	Very Good	Good	Good	Very Good	Good
Straw Strength	Good	Good	Very Good	Excellent	Very Good	Very Good	Very Good	Excellent	Average	Below Average
Tillering	NA	Intermediate	Intermediate	Low	NA	Very High	Intermediate	Very High	Very High	Intermediate
Maturity (heading date)	Medium Early	Medium	Medium Late	Medium	Early	Medium Early	Early	Early	Medium Early	Medium
Fall Grazing	Average	Average	Good	Average	Good	Good	Average	Good	Good	Excellent
Overall Yield Record	NA	Excellent	Very Good	Very Good	Very Good	Very Good	Very Good	Excellent	NA	Very Good

Disease Rating Codes: 1-Highly Resistant: 3- Moderately Resistant: 5- Intermediate: 7- Moderately Susceptible: 9- Highly Susceptible

Disease Abbreviations: WSM = Wheat Streak Mosaic; HF = Hessian Fly; PM = Powdery Mildew; BYD = Barley Yellow Dwarf

WSM	9	6	7	6	7	5	7	7	7	5
BYD	2**	6	7	6	6	6	4	6	7**	6
Leaf Rust	5	2	3	2	5	8	3	5	6	7
Stripe Rust	2	4	3	6	7	2	8	3	5	3
Tan Spot	7	3	6	6	5	7	7	5	7	5
PM	7**	5	6	7	2	3	3	2	5**	6
Head Scab	7	7	6	8	7	8	4	7	8	7
HF	2**	5	6	9	4	8	3	6	6**	8

Comments	SY Flint*	SY Wolf	WB-Grainfield	KanMark	Armour	T-158	Everest	WB-Cedar	LCS Pistol*	1863
<p>2015 release from AgriPro/Syngenta. We are the NE corner of recommended adaptation area. High end yield potential and tolerance to BYD are plusses.</p>	<p>Good yields here in '12/'13/'14 - never less than 5% above average. Good yields in KSCPT, too. . Good for heavy residue. Disease package remains solid.</p>	<p>Solid yields but maybe not 'top end'. #1 here in 2014. Good drought tolerance. Pretty decent disease package. Slower emergence.</p>	<p>Second year in this plot. Best adapted to WKS. Good drought tolerance. Susceptible to scab - avoid planting after corn. Stripe rust rating has been downgraded as well.</p>	<p>A top yielder here in the past. Newer varieties seem to be better. Needs fungicide for stripe rust to keep leaves. Likes season long moisture since it makes yield from lots of tillers and an average head size.</p>	<p>Good stress package and resistance to stripe rust. Watch out for head scab. Solid yield record. Excellent ability to fill from stem if leaves are lost.</p>	<p>Great yields in the first two years then more 'average'. Needs good fall establishment and tillering to yield well. Apply a fungicide for stripe rust. Has the best tolerance to head scab of any variety.</p>	<p>2012 Plot winner. Good in KSCPT. Responds well to high management and has good top end yield potential. Needs to establish and tiller well in the fall.</p>	<p>2015 release from Limagrain Cereal Seeds. A relative of T-158. High tillering ability. Test weight might be sacrificed under high disease pressure.</p>	<p>Above average yields in the KSCPT for three years. We are on the eastern edge of it's adaptation range. Karl 92 relative. Good against stripe rust. Watch for lodging under high yield conditions.</p>	