

Wheat plots were conducted in cooperation between K-State Agriculture Extension Agents in Cowley, Sumner, and Sedgwick counties and the Southeast Area Extension Agronomist. Varieties were replicated three times at each location. Plot size was 5 ft by 35ft. Fertility and weed control were conducted according to cooperator practices.

Aphids were present at the Arkansas City and Caldwell location. A late spring freeze impacted tillers at most locations but greater damage was observed at Belle Plaine, Arkansas City, and Caldwell. Stripe rust severely impacted yields in the region. No fungicides were applied to varieties.

Arkansas City (Cooperator Ken Bryant)
Planted October 7th
Seeding rate of 75 lbs/acre
Tillage after wheat
Harvested June 19th

Caldwell (Cooperator Greg Turek)
Planted October 7th
Seeding rate of 75 lbs/acre
Tillage after wheat
Harvested June 21st

Belle Plaine (Cooperator Doug Hisken)
Planted October 7th
Seeding rate of 75 lbs/acre
No-Till after Corn
Harvested June 23rd

Clearwater (Cooperator Mulvane COOP)
Planted October 6th
Seeding rate of 75 lbs/acre
Tillage after wheat
Harvested June 20th

Andale (Cooperator Greg Nevil)
Planted October 6th
Seeding rate of 75 lbs/acre
Tillage after wheat
Harvested June 20th

Variety	AVG Yld (bu/a)	Yld Difference	Variety	AVG Yld (bu/a)	Yld Difference	Variety	AVG Yld (bu/a)	Yld Difference	Variety	AVG Yld (bu/a)	Yld Difference	Variety	AVG Yld (bu/a)	Yld Difference
KS06143-K-2	74.7	-	SY Flint	54.1	-	SY Monument	62.5	-	SY Monument	58.0	-	WB-Cedar	82.9	-
Gallagher	72.8	1.9	SY Monument	53.3	0.8	Iba	62.5	0.1	KS06143-K-2	55.3	2.7	WB-4458	79.5	3.4
SY Monument	68.5	6.2	OK09125	46.1	8.0	LCS Mint	60.6	1.9	SY Flint	53.9	4.1	OK1059060-2C14	78.1	4.7
Iba	68.3	6.4	Gallagher	45.9	8.2	OK09125	58.3	4.3	Iba	51.8	6.3	Gallagher	77.9	4.9
SY Flint	67.7	7.0	1863	45.3	8.7	KS06143-K-2	58.2	4.3	LCS Wizard	50.6	7.4	SY Southwind	77.8	5.1
OK1059060-2C14	67.5	7.2	OK1059060-2C14	44.8	9.3	Gallagher	57.9	4.6	Jackpot	49.8	8.2	KS06143-K-2	77.1	5.8
1863	66.2	8.5	SY Southwind	44.5	9.6	WB-Cedar	56.4	6.1	OK09125	49.6	8.4	SY Monument	74.9	8.0
T158	65.0	9.7	Everest	43.9	10.1	Garrison	54.0	8.6	Gallagher	47.9	10.2	1863	74.7	8.2
LCS Mint	63.4	11.2	KS06143-K-2	43.5	10.6	T154	53.3	9.2	1863	46.1	12.0	Jackpot	73.8	9.0
SY Southwind	61.7	13.0	Armour	41.5	12.5	WB-4458	52.7	9.8	T154	44.8	13.3	OK09125	72.9	10.0
LCS Wizard	61.5	13.2	WB-4458	39.8	14.3	NF101-BSI2013	52.6	10.0	KanMark	43.4	14.6	T158	69.1	13.8
Duster	60.1	14.6	WB-Cedar	39.4	14.7	Ruby Lee	51.3	11.2	OK1059060-2C14	41.7	16.3	LCS Mint	68.8	14.1
T154	60.0	14.6	Jackpot	39.1	15.0	T158	51.1	11.4	Everest	41.7	16.3	Fuller	68.5	14.3
KanMark	59.1	15.6	Iba	39.0	15.1	WB-Redhawk	50.7	11.8	Armour	41.6	16.4	SY Flint	68.4	14.5
OK09125	58.9	15.7	Duster	38.5	15.5	SY Southwind	50.5	12.1	WB-4458	40.4	17.6	T154	64.6	18.3
Armour	58.7	16.0	NF101-BSI2013	37.8	16.3	KS061862-M-17	50.2	12.4	SY Southwind	40.3	17.8	KanMark	64.4	18.4
KS061862-M-17	58.1	16.6	T154	36.0	18.0	SY Flint	47.9	14.6	Fuller	39.9	18.1	NF101-BSI2013	64.1	18.8
Everest	57.5	17.2	WB-Redhawk	35.7	18.3	OK1059060-2C14	47.7	14.8	T158	38.4	19.6	Iba	63.2	19.7
Garrison	57.2	17.5	Ruby Lee	34.7	19.3	1863	47.6	15.0	Duster	38.2	19.8	LCS Pistol	61.9	21.0
OK10728W	57.1	17.6	LCS Mint	34.6	19.4	LCS Pistol	47.4	15.1	WB-Cedar	38.0	20.0	Everest	58.5	24.3
Fuller	54.9	19.8	Fuller	34.6	19.5	OK10728W	47.3	15.2	OK10728W	37.9	20.1	Ruby Lee	57.3	25.6
LCS Pistol	54.6	20.1	KanMark	33.3	20.8	LCS Wizard	47.2	15.3	LCS Mint	37.9	20.2	OK10728W	57.2	25.6
Ruby Lee	54.4	20.3	KS061862-M-17	32.8	21.2	KanMark	46.9	15.6	Ruby Lee	37.8	20.2	Duster	56.7	26.1
WB-4458	53.4	21.2	LCS Wizard	32.3	21.7	Jackpot	46.2	16.3	Garrison	37.6	20.4	WB-Redhawk	54.7	28.1
Jackpot	52.3	22.4	T158	31.0	23.1	Armour	43.5	19.0	KS061862-M-17	37.0	21.1	LCS Wizard	53.8	29.0
WB-Cedar	52.2	22.5	Garrison	30.7	23.4	Duster	42.0	20.5	LCS Pistol	32.1	26.0	KS061862-M-17	53.5	29.4
WB-Redhawk	47.6	27.1	LCS Pistol	30.5	23.6	Everest	42.0	20.5	NF101-BSI2013	28.6	29.4	Garrison	49.9	33.0
NF101-BSI2013	46.4	28.3	OK10728W	30.2	23.9	Fuller	39.7	22.8	WB-Redhawk	27.4	30.7	Armour	44.0	38.8

** Bold signifies not different from the highest yielding variety at p = 0.05

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Special thanks to Southwest Seed Research for plot harvest and to Impact Bank for sponsorship of trial.