

2015 SOUTHEAST NEBRASKA CORN GROWERS ASSOCIATION

IRRIGATED CORN HYBRID PLOT DESCRIPTION

COOPERATOR: Esau Farms, Beatrice, Nebraska

PLOT LOCATION: From the Homestead National Monument west of Beatrice on Highway 4, the plot is one mile north and 1/2 mile west on the north side of the road.

PLOT SIZE: 4 Row Plots, 5 Check Plots, 12 Corn Hybrids

SOIL TYPE: Wymore Silty Clay Loam

SOIL TEST:

Soil pH	6.5
Organic Matter (O. M.)	3.1%
Phosphorus (P) (Bray 1)	77 ppm
Potassium (K)	440 ppm
Zinc (Zn)	5.8 ppm
Sulfur (S)	10 ppm

CROP ROTATION: Corn/Soybean

FERTILIZER: Spring 150 Pounds UAN Plus 40 Pounds P (10-34-0) Plus 20 Pounds Sulfur Applied with Coulter Machine
At Planting 4 Gallons 8-24-0 Starter Plus Zn 100% Ortho Starter Sidedress 40 Pounds UAN
Post 2 Gallons Coron Foliar Nitrogen

TILLAGE: Preplant - Landol VT Machine, then Planted
Post - One Pass Ditcher Operation

HERBICIDE APPLICATIONS: Preplant - Full Rate of Surestart II (2.5 Pints/ Acre)
Post Applied - 32 Ounce Glyphosate Plus 1/2 Ounce Armezon

PLANTING DATE: May 1, 2015

PLANTING POPULATION: 35,000 Seeds per Acre

PLANTING EQUIPMENT: 8100 White, 16 Row Planter

INSECTICIDE: None

FUNGICIDE: Priaxor 4 Ounce/ Acre - July 24, 2015 Application

IRRIGATION: Gravity Irrigation, 4 Times, 12 Inches Water Applied

HARVEST INFORMATION: Harvested October 31, 2015 with JD 9670, 8 Row Head

WEATHER COMMENTS: None

2015 SOUTHEAST NEBRASKA CORN GROWERS VARIETY TEST PLOT - IRRIGATED

IRRIGATED CORN PLOT

Cooperator: Brandon Esau, Esau Farms
 Check Variety: Pioneer P1105AM LLHXI YG PPST 250

Row Spacing 30
 Std. Moisture 15.5
 Std. Bu. Wt. 56
 Harvested Rows 4

2-Nov-15

Plot Hybrid	Plant Pop (plants/ac)	Stalk Rot (%)	H2O (%)	Test Wt (lbs/bu)	Lbs	Plot Len (ft)	Yield Bu/Ac	*Adj Yield	Rank
Check 1 Pioneer P1105AM	34,500	0.0%	13.2	60.3	5344	1863.0	229.2		
1 Producers 7268STX RIB Smartstax LL Acceleron Poncho Votivo	34,250	1.5%	13.5	60.2	5460	1862.0	233.5	240.6	4
2 Agrigold 6499 STX RIB Poncho Votivo	32,750	2.0%	13.4	60.2	5820	1861.0	249.3	256.4	1
3 Pioneer P1197 AM RR LL HX1 YG PPST1250	34,250	2.5%	13.4	58.7	5568	1860.0	238.6	245.7	2
Check 2	30,000	3.0%	13.0	62.1	5576	1859.0	240.2		
4 Mycogen 2Y767 Cruiser Max	31,000	2.0%	14.3	58.5	5334	1858.0	226.5	221.2	12
5 DKC68-26RIB (GENVT2P) Acceleron A500	30,500	1.5%	14.7	61.5	5800	1856.0	245.4	240.1	5
6 Fontenelle 13D843 VT 2 PRIB Acceleron	30,250	18.0%	13.0	60.4	5666	1855.0	244.6	239.3	6
Check 3	31,000	1.0%	12.6	62.4	5852	1854.0	254.0		
7 LG5618 STXRIB Acceleron Poncho Votivo	32,250	3.5%	13.3	61.2	5582	1853.0	240.4	236.2	8
8 Golden Harvest G10530-3110 Agrisure Viptera A500	29,750	11.0%	13.1	59.7	5388	1850.0	233.0	228.7	11
9 Champion CSX64A15 DG VT2 PRIB	34,000	10.5%	14.6	57.5	5680	1849.0	241.5	237.3	7
Check 4	30,000	5.5%	13.0	62.3	5494	1848.0	238.1		
10 AgVenture RL8430YHB V500 (2374760-MF)	33,250	3.5%	13.1	60.4	5336	1847.0	231.1	230.1	10
11 Renk RK858 VT3P (2OR 1470KC)	32,750	4.5%	13.0	60.1	5342	1846.0	231.8	230.8	9
12 Channel 214-45 STX RIB	33,500	4.0%	13.2	60.8	5616	1843.0	243.5	242.5	3
Check 5	30,000	1.0%	13.3	61.4	5712	1842.0	247.5		
Plot Averages including the checks	32,000	4.4%	13.4	60.5			239.3	bu/ac	
Check Plot Averages	31,100	2.1%	13.0	61.7			241.8	bu/ac	

*Adjusted yield formula; average of the two nearby checks compared to the total average of all the check hybrids (229.0 bu in this trial), then adjust the corn hybrid yield accordingly.

Actual Yield spread between corn hybrids - 226.5 to 249.3 bu/ac = 22.8 bu/ac (last year = 48.2 bu)

Yield spread between the check hybrids - 229.2 to 254.0 bu/ac = 24.8 bu/ac (last year = 23.2 bu)