

2014 SOUTHEAST NEBRASKA CORN GROWERS ASSOCIATION

IRRIGATED CORN HYBRID PLOT DESCRIPTION

COOPERATOR: Darrel Stehlik, Dorchester, Nebraska

PLOT LOCATION: From Crete, from the intersection of Highways 33 and 103, go 2 miles west on Highway 33, turn north on County Road 1900, plot located on west side of the road (north of railroad tracks).

PLOT SIZE: 4 Row Plots, 6 Check Plots, 13 Corn Hybrids

SOIL TYPE: Crete Silt Loam 0-1% Slope (2 Acres on Tail End, Crete Silty Clay 3-7% Slope Eroded)

SOIL TEST:

Soil pH	6.3
Organic Matter (O. M.)	2.7%
Phosphorus (P) (Bray 1)	12 ppm
Potassium (K)	298 ppm
Zinc (Zn)	2.8 ppm
Sulfur (S)	11 ppm

CROP ROTATION: 2010 - Soybean; 2011 - Corn; 2012 - Corn; 2013 - Soybean; 2014 - Corn

FERTILIZER: Fall Applied 150 Pounds 11-52-0 with 2 Pounds Zinc and 20 Pounds Sulfur
3 Gallons 10-34-0 in Furrow Y Splitter Plus Full Rate of Serenade Fungicide
Spring Applied 220 Pounds Actual N as NH₃

TILLAGE: Preplant - One Pass with Rolling Chopper, then Planted
Post - One Pass Ditcher Operation

HERBICIDE APPLICATIONS: Preplant - No Herbicide Applied
Post Applied - 5.6 Ounce Corvus Plus 1 Quart Atrazine

PLANTING DATE: April 26, 2014

PLANTING POPULATION: 32,500 Plants per Acre

PLANTING EQUIPMENT: Kinzie 3600, 16 Row Planter

INSECTICIDE: None

FUNGICIDE: Full Rate Quilt by Airplane at Full Tassel

IRRIGATION: 3 Times Gravity Irrigation from Reuse Pit Water

HARVEST INFORMATION: Harvested October 28, 2014 with JD S660, 8 Row Head

WEATHER COMMENTS: This Field had Frost Damage at V2 Stage, Large Hail June 3rd, and Smaller Hail 10 Days Later

2014 SOUTHEAST NEBRASKA CORN GROWERS VARIETY TEST PLOT - IRRIGATED

IRRIGATED CORN PLOT

Cooperator: Darrel Stehlik

Check Variety: AgriGold 6517 Poncho/Votivo Acceleron VT Triple Pro RIB

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

Plot	Hybrid	Plant Pop (plants/ac)	Stalk Rot (%)	H2O (%)	Test Wt (lbs/bu)	Lbs	Plot Len (ft)	Yield Bu/Ac	*Adj Yield	Rank
	4-Nov-14									
	Check 1 AgriGold 6517	32,500	17.0%	15.9	55.7	2620	875.0	231.8		
1	Renk RK930 VT 3P Acceleron	30,500	8.0%	16.7	58.6	2680	872.0	235.7	235.2	8
2	LG 5618 STX RIB Poncho/Votivo	31,500	11.5%	16.0	59.6	2670	870.0	237.3	236.9	7
3	Champion 65A15 DGV T2P	31,250	13.0%	16.6	58.4	2690	868.0	237.9	237.5	6
	Check 2	31,500	5.0%	15.9	55.0	2540	866.0	227.1		
4	Producers 7268STX RIB Acceleron Poncho/Votivo LL	30,500	6.5%	16.1	58.7	2620	864.0	234.2	227.9	9
5	Golden Harvest G16K01-3111 Agrisure Viptera Avicta Com. LL	30,000	9.0%	17.9	54.7	2600	862.0	228.0	221.6	10
6	Mycogen 2C799 Cruiser Max CMX250 Treatment	31,250	19.0%	15.6	56.1	2360	860.0	213.2	206.9	13
	Check 3	30,500	3.0%	15.9	55.1	2700	858.0	243.6		
7	DeKalb DKC64-89 RIB Double Pro Poncho 500	29,500	21.5%	15.0	58.9	2460	856.0	224.9	218.0	11
8	AgVenture RL8899YHB LLHX 1250 Poncho/Votivo	29,500	2.0%	16.0	58.7	2840	854.0	257.1	250.3	2
9	Channel 215-52VT3 PRIB Acceleron Poncho/Votivo 500	27,500	8.5%	17.0	59.4	2860	852.0	256.5	249.6	3
	Check 4	30,000	5.5%	15.9	55.3	2510	852.0	228.1		
10	AgriGold A6573VT3 PRIB Acceleron Poncho/Votivo VT Triple Pro	30,250	4.0%	16.4	56.4	2580	846.0	234.7	239.5	4
11	Wyffels W7888 RIB SmartStax Complete LL	30,500	3.0%	16.3	59.3	2560	844.0	233.7	238.5	5
	Check 5	29,500	5.5%	16.0	54.6	2400	842.0	220.4		
13	Pioneer P1690AM LL HX Y6 Poncho 250 Raxil Acre Max	27,250	2.0%	18.0	59.8	2740	840.0	246.2	253.5	1
13	Fontanelle 7V697RBC VTTriplePro RIB Acceleron Poncho/Votivo	29,000	28.0%	16.6	59.0	2280	838.0	208.9	216.2	12
	Check 6	28,000	13.0%	16.4	55.2	2420	835.0	223.0		
	Plot Averages including the checks	30,026	9.7%	16.3	57.3			232.8	bu/ac	
	Check Plot Averages	30,333	8.2%	16.0	55.2			229.0	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.

Yield spread between corn hybrids = 257.1 - 208.9 = 48.2 bu (last year = 58.6 bu)

Yield spread between the check hybrids = 243.6 - 220.4 = 23.2 bu (last year = 34.7 bu)