

2015 SOUTHEAST NEBRASKA CORN GROWERS ASSOCIATION

DRYLAND CORN HYBRID PLOT DESCRIPTION

COOPERATOR: Jerod Thimm, Beatrice, Nebraska

PLOT LOCATION: From the Homestead National Monument west of Beatrice on Highway 4, the plot is one mile north, one mile east, and 1/8 mile south on the west side of the road.

PLOT SIZE: 4 Row Plots, 5 Check Plots, 11 Corn Hybrids

SOIL TYPE: Wymore Silty Clay Loam, 0-1% Slope

SOIL TEST:

Soil pH	5.1-5.2
Organic Matter (O. M.)	1.9-2.5%
Phosphorus (M-P ₃)	16-21 ppm
Potassium (K)	261-293 ppm
Zinc (Zn)	.58-1.38 ppm
Sulfur (S)	9-11 ppm

CROP ROTATION: Corn/Soybean

FERTILIZER: Fall Applied 100 Lbs Actual N as NH₃ Dual Placed with 15 Gallon 10-34-0, 1 Quart Zinc Sidedress Application 80 Lbs Actual N/Acre

TILLAGE: No-Till

HERBICIDE APPLICATION: Preplant Application - Corvus 4 oz/ac + Atrazine 1 qt/ac + LV6#2,4D .5 pt/ac + Superb 1 qt/100 gal Solution
Postplant Application - 2.5 lbs/ac of AMS + Rup PMax 40 oz/ac + Callisto 2 oz/ac + Superb 1 qt/100 gal Solution

PLANTING DATE: May 1, 2015

PLANTING POPULATION: 26,500 Seeds per Acre

PLANTING EQUIPMENT: 8100 White, 16 Row Planter

INSECTICIDE: None

FUNGICIDE: None

IRRIGATION: None

HARVEST INFORMATION: Harvested November 5, 2015 with JD 9670, 8 Row Head

ADDITIONAL COMMENTS: A May 6 heavy rain event caused some reduced stand and uneven emergence. Any areas flooded effecting stand were taken into account at harvest time by decreasing plot row length.

2015 SOUTHEAST NEBRASKA CORN GROWERS VARIETY TEST PLOT - DRYLAND

DRYLAND CORN PLOT

Cooperator: Jerod Thimm

Check Variety: DeKalb DKC65-67 RIB A250 Accelaron Gen VT2P

2-Nov-15

Row Spacing 30

Std. Moisture 15.5

Std. Bu. Wt. 56

Harvested Rows 4

Plot	Hybrid	Plant	Stalk	Test		*Plot	Yield	**Adj	Rank
		Pop (plants/ac)	Rot (%)	H2O (%)	Wt (lbs/bu)				
	Check 1 DeKalb DKC65-67	25,000	4.0%	13.2	59.5	5680	2408.0	188.5	
1	Renk RK924 DGVT2P	26,000	3.5%	13.7	58.8	5540	2414.0	182.3	8
2	Golden Harvest G16K01-3111 Agrisure Viptera A500 Avicta Complete	21,250	5.5%	13.8	58.6	5328	2414.0	175.1	9
3	Fontanelle 156893 RIB Accelaron DG VT2 Pro	25,250	0.0%	12.9	60.5	5700	2431.0	188.0	6
	Check 2	25,500	1.0%	13.0	60.6	5478	2443.0	179.6	
4	Channel 217-41 GVT 2 PRIB	26,750	5.5%	13.4	59.2	6220	2449.0	202.5	1
5	Pioneer PO636AM LLY6 AcreMax PPST 250	23,250	15.0%	12.7	59.0	5284	2443.0	173.8	10
6	Producers 7213 VT2 RIB Poncho Votivo	25,000	3.5%	12.9	61.4	5560	2449.0	182.0	7
	Check 3	24,000	2.0%	13.0	60.4	5676	2443.0	186.1	
7	DeKalb DKC 63-55 RIB	24,250	18.0%	13.2	60.4	5880	2443.0	192.3	3
8	Champion CSX 65A15 DG VT2 PRIB	25,500	9.5%	13.0	60.2	6102	2443.0	200.0	2
9	Mycogen 2V717E CruiserMax SmartStax RRL	21,000	12.0%	13.3	58.4	5160	2443.0	168.6	11
	Check 4	26,000	3.0%	13.1	59.7	5394	2425.0	177.9	
10	AgVenture RL 8767 HB	25,250	0.5%	12.8	60.5	5546	2402.0	185.3	4
11	LG 5622VT 2 RIB D1 DG VT DoublePro Accelaron	25,000	11.0%	12.9	60.6	5502	2390.0	184.6	5
	Check 5	23,500	1.0%	13.1	59.8	5310	2402.0	176.8	

ALL PLOTS INCLUDING CHECKS

Averages 24,531 5.9% 13.1 59.9 184.0 bu/ac

CHECK PLOTS ONLY

Averages 24,800 2.2% 13.1 60.0 181.8 bu/ac

* Several adjustments were made in row length to account for a few low spots from the May 6 rain event

**Adjusted yield formula = average of the two nearby checks compared to the total average of all the check hybrids (181.8 bu in this trial), then adjust the corn hybrid yield accordingly.

Actual Yield Spread = 168.6 bu/ac to 202.5 bu/ac = 33.9 bu/ac

Check Hybrid Yield Spread = 176.8 bu/ac to 188.5 bu/ac = 11.7 bu/ac