

## 2019 SOUTHEAST NEBRASKA CORN GROWERS ASSOCIATION

### DRYLAND CORN HYBRID PLOT DESCRIPTION

**COOPERATOR:** Matt Helmke, Pickrell, NE

**PLOT LOCATION:** From the intersection of Highway 41 and 77, east of Clatonia, go 2 miles south on Highway 77 to West Buckeye Road, then 1/8 mile east (south side of road). GPS 40.436260, -96.735543

**PLOT SIZE:** 3 Row Plots, 7 Check Plots, 18 Corn Hybrids

**SOIL TYPE:** Wymore Silty Clay Loam 2-3% Slopes

**SOIL TEST:**

Soil Ph	5.6
Organic Matter	2.8%
Phosphorous (M-P3)	17 ppm
Potassium (K)	250 ppm
Sulfate (S)	8 ppm
Zinc (DTPA)	0.9 ppm

**CROP ROTATION:** Corn After Soybeans

**FERTILIZER:** At Planting: 10 gallons 28% UAN top dribble at planting plus 4 gallons 10-34-0 and 1 gallon ammonium thiosulfate.  
Sidedress: 20 gallons 28% UAN and 1 gallon ammonium thiosulfate at V10.

**TILLAGE:** No-Till

**HERBICIDE APPLICATION:** Preplant: April 19 - 15 gallon 28% UAN plus 6 oz Dicamba plus 16 oz Roundup plus 32 oz Atrazine PowerMAX  
Post Spray: 3 pts Lexar plus 16 oz Roundup PowerMAX plus 10 lbs AMS per 100 gallons of solution.

**PLANTING DATE:** May 16, 2019

**PLANTING POPULATION:** 27,000

**PLANTING EQUIPMENT:** Kinzie 3600, 12 row planter

**INSECTICIDE/FUNGICIDE:** None

**HARVEST INFORMATION:** Harvested on November 5, 2019 with JD 9600 6 row header.

**STALK ROT/STAND COUNTS:** All replicated stalk rot and plant population counts were taken by Randy Pryor, Eric Stehlik, Lou Hajek and Nicole Stoner, Gage and Saline County Extension on October 15.

**2019 SOUTHEAST NEBRASKA CORN GROWERS VARIETY TEST PLOT - DRYLAND**

**DRYLAND CORN PLOT**

Cooperator: Matt Helmke

Check Variety: Golden Harvest 09Y24 Agrisure 3220 A.0-EZ1 A500

Row Spacing 30  
 Std. Moisture 15.5  
 Std. Bu. Wt. 56  
 Harvested Rows 3

Plot	Hybrid	Plant	Stalk	Test		Plot	Yield	Adj	Rank
		Pop (plants/ac)	Rot (%)	H2O (%)	Wt (lbs/bu)				
	*Check 1 Golden Harvest 09Y24	20,000	36.0%	15.8	59.7	1272	658.0	199.8	
1	Channel 217-76 VT2P RIB VT Double PRO Acceleron B300	25,500	7.5%	15.7	58.7	1300	658.0	204.4	202.7 11
2	Channel 218-44 VT2P RIB VT Double PRO Acceleron B300	25,250	10.5%	17.3	59.3	1480	658.0	228.3	226.6 1
3	Champion 66A18 VT2 PRO (DNS1715A)	25,000	2.0%	15.9	60.2	1355	659.0	212.2	210.5 5
	Check 2 Golden Harvest 09Y24	22,500	38.0%	15.6	60.1	1295	660.0	203.3	
4	Champion 64A15 DG VT2 (BQA 1805A)	24,750	4.0%	15.0	58.1	1205	661.0	190.2	189.2 16
5	Mycogen MY13C17SS LL RR2 Smartstax Lumigen	25,250	2.5%	16.0	58.7	1405	662.0	218.8	217.8 2
6	Mycogen 2410 AM	24,500	7.5%	15.6	56.0	1145	663.0	178.9	177.9 18
	Check 3 Golden Harvest 09Y24	24,000	30.0%	15.8	59.6	1275	664.0	198.4	
7	Midland Genetics 656 PR RIB	24,750	6.0%	15.2	58.4	1195	665.0	187.0	189.5 14
8	Midland Genetics 429 PR RIB	27,250	4.5%	16.3	60.1	1310	666.0	202.1	204.5 10
9	Pioneer P1244 AM LL RR2	25,500	4.5%	15.6	60.0	1335	667.0	207.3	209.8 6
	Check 4 Golden Harvest 09Y24	23,500	31.0%	15.0	59.7	1255	667.0	196.3	
10	Pioneer P1138 AML LL RR2 HX Agrisure YG AcreMax Lumige	24,750	7.0%	14.8	58.5	1185	668.0	185.5	182.6 17
11	DeKalb DKC63-57 RIB VT Double PRO Acceleron B300	25,500	3.0%	14.8	60.3	1265	668.0	198.0	195.1 12
12	DeKalb DKC65-95 RIB VT Double PRO Acceleron B300	26,250	2.0%	15.1	60.5	1340	669.0	208.7	205.8 8
	Check 5 Golden Harvest 09Y24	26,000	32.0%	15.7	61.0	1355	670.0	209.3	
13	Fontanelle 14G498 Drought Guard VT Double PRO Acceleron B300	25,500	2.0%	15.4	58.2	1210	671.0	187.2	189.2 15
14	Fontanelle 16D719 VT Double PRO Acceleron B300	26,250	3.5%	15.9	61.8	1335	672.0	205.1	207.0 7
15	Golden Harvest G11B63-3010A.0 Agrisure Artesian A500	25,250	2.0%	15.7	60.6	1365	673.0	209.9	211.8 4
	Check 6 Golden Harvest 09Y24	25,000	27.0%	15.7	58.2	1215	674.0	186.5	
16	Golden Harvest G10L16-3330A.0-EZ1 A500	26,000	6.5%	15.0	58.7	1195	655.0	190.3	194.3 13
17	Renk RK 842 SSTX	26,750	2.0%	15.3	58.4	1335	655.0	211.9	215.9 3
18	Renk RK 945 DG VT2P DroughtGard	26,250	2.0%	15.8	60.2	1320	676.0	201.8	205.8 9
	Check 7 Golden Harvest 09Y24	24,500	28.0%	16.9	59.6	1360	676.0	205.2	

**ALL PLOTS INCLUDING CHECKS**

Averages 25,030 12.0% 15.8 59.0 201.1 bu/ac

**CHECK PLOTS ONLY**

Averages 22,167 34.7% 15.8 59.7 199.8 bu/ac

\* The first check plot is an average of all other checks as it was harvested at a different date.

Adjusted yield formula = average of the two nearby checks compared to the total average of all the check hybrids (216.7 bu/ac bu in this trial), then adjust the corn hybrid yield accordingly up or down.

Actual Raw Yield Spread = 178.9 to 228.3 bu/ac = 49.4 bu/ac

Check Hybrid Yield Spread = 186.5 to 205.2 bu/ac = 18.7 bu/ac