

2018 SOUTHEAST NEBRASKA CORN GROWERS ASSOCIATION

DRYLAND CORN HYBRID PLOT DESCRIPTION

COOPERATOR: William Lorenz, Brian Lorenz & John Hajek, Crete, NE

PLOT LOCATION: From the intersection of Highway 33 and Road 1900 (2 miles west of Crete or 4 miles east of Dorchester), turn south on Road 1900 for 3 miles, then turn west on I Road for ½ mile or GPS point 40.5812, -97.0356

PLOT SIZE: 4 Row Plots, 10 Check Plots, 20 Corn Hybrids

SOIL TYPE: Nodaway Silt Loam (0-2% Slope) Typical Profile: 0 to 7 inches: Silt Loam; 7 to 80 inches: Stratified Silt Loam

SOIL TEST:

Soil Ph	5.8
Organic Matter	3.3%
Phosphorous (M-P3)	109 ppm
Potassium (K)	265 ppm
Sulfate (S)	12 ppm
Zinc (DTPA)	3.46 ppm

CROP ROTATION: Corn After Soybeans

FERTILIZER: Preplant: 135 lbs of actual N NH3 application; Dry Fertilizer application of 100 lbs MESZ or 12-40-0-10S-1Zn plus 30 lbs Potash.

TILLAGE: No-Till

HERBICIDE APPLICATION: Fall - .835 oz Basis Blend plus 1 pt 2,4-D LV6
Preplant - None
Post Spray at V5 stage - 1.5 qts Resicore plus 1 lb Atrazine plus 1 Qt Powermax and 17 lbs AMS per 100 gallons of solution

PLANTING DATE: April 30, 2018

PLANTING POPULATION: 23,500

PLANTING EQUIPMENT: John Deere 1770, 24 Row planter

INSECTICIDE/FUNGICIDE: 13.7oz Trivapro Fungicide by Airplane at Tassel

HARVEST INFORMATION: Harvested October 29, 2018 with JD 660 12 row header, all grain measured by a calibrated combine sensor; moisture and test weight samples taken to area elevator.

2018 SOUTHEAST NEBRASKA CORN GROWERS VARIETY TEST PLOT - DRYLAND

DRYLAND CORN PLOT

Cooperator: John Hajek
 Check Variety: Channel 217-41

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
	Check 1 Channel 217-41	28,500	35.0%	14.5	58.9	3625	1236.0	230.8		
1	Rob-See-Co RC6401 3000 GT A500	23,750	14.5%	14.8	60.4	3405	1236.0	216.1		
2	Rob-See-Co IC6698 3111 A500 Agrisure Traits	27,000	0.0%	14.3	59.1	3257	1236.0	207.9		
	Check 2 Channel 217-41	29,000	37.0%	13.8	59.3	3084	1236.0	198.0		
3	DeKalb DKC 63-55 RIB VT Double Pro Acceleron	29,000	22.0%	13.7	60.5	3060	1236.0	196.7		
4	DeKalb DKC 66-75 RIB VT Double Pro Acceleron	24,750	11.0%	13.5	61.0	3260	1236.0	210.0		
Averages		27,000	19.9%	14.1%	59.9%			209.9		

Above listed plots were separated due the first pass with the planter was at an irrigated plant population.

Plots listed below were at the same planting population of 23,500 plants/ac at planting time and are ranked.

	Check 3 Channel 217-41	21,000	9.0%	14.6	58.4	3435	1237.0	218.3		
5	Champion 65 A17 VT2	21,250	12.0%	14.1	59.9	3231	1237.0	206.5	203.3	5
6	Champion 63 A17 DGVT2	21,250	26.0%	13.3	60.2	3124	1237.0	201.6	198.3	10
	Check 4 Channel 217-41	17,500	2.0%	14.0	59.0	3410	1237.0	218.2		
7	AgriGold A6652 VT2 RIB Acceleron Poncho/Votivo RR2	19,750	7.0%	13.9	58.9	3272	1237.0	209.6	201.7	6
8	AgriGold A6499 VT2 RIB Acceleron Poncho/Votivo RR2	21,000	7.5%	13.3	61.7	3298	1237.0	212.8	204.8	4
	Check 5 Channel 217-41	24,000	0.0%	14.3	58.1	3578	1239.0	227.8		
9	Hefty Seed H6212	22,250	15.5%	13.8	59.3	3219	1239.0	206.2	199.6	7
10	Hefty Seed H6214	23,500	3.0%	14.6	59.5	3236	1239.0	205.3	198.8	8
	Check 6 Channel 217-41	23,000	6.0%	13.9	57.9	3364	1238.0	215.4		
11	Pioneer P1828 AM LLRR2 HX YG PPST250 Raxil/Lumivia	22,750	4.5%	14.2	61.3	3341	1234.0	213.8	207.3	3
12	Pioneer P1138 AM LLRR2 Cruiser 500 Raxil/Lumivia HX-YG	22,500	5.0%	13.6	61.3	3140	1230.0	203.0	196.5	11
	Check 7 Channel 217-41	23,000	2.0%	15.0	58.3	3572	1228.0	227.6		
13	Fontanelle 13D 843 VT DoublePro Acceleron	22,500	5.0%	14.7	59.1	3470	1228.0	221.9	215.3	1
14	Fontanelle 16D 826 VT DoublePro Acceleron	22,000	6.5%	15.3	61.8	3477	1228.0	220.8	214.2	2
	Check 8 Channel 217-41	21,000	0.0%	14.5	58.4	3111	1228.0	199.4		
15	Producers 7263 VT2 RIB Acceleron VT DoublePro RR2	21,500	3.5%	14.0	61.1	3148	1228.0	202.9	196.4	12
16	Producers 7543 VT2 RIB Acceleron VT DoublePro RR2	22,750	4.0%	14.0	58.4	3179	1228.0	204.9	198.4	9
	Check 9 Channel 217-41	22,500	1.0%	14.8	56.8	3402	1242.0	214.8		
17	Golden Harvest G16K01-3111 A500	17,333	3.5%	15.9	58.4	3060	1242.0	190.7	184.2	15
18	Golden Harvest G11B63-3010A A500 Avicta w/Vibrance	21,250	1.5%	14.4	58.2	2958	1242.0	187.7	181.1	16
	Check 10 Channel 217-41	23,000	2.0%	14.3	58.8	3131	1242.0	198.9		
19	Channel 215-75 STX RIB Elite Acceleron Smartstax	20,250	5.0%	14.5	58.4	2900	1242.0	183.8	191.9	14
20	Channel 218-44 STX RIB Elite Acceleron Smartstax	20,500	4.5%	14.0	60.8	2931	1242.0	186.8	194.9	13

ALL PLOTS INCLUDING CHECKS

Averages of Plots (23,500 planted pop) 21,556 5.7% 14.3 59.3 207.5 bu/ac

CHECK PLOTS ONLY

Averages of Plots (23,500 planted pop) 23,833 14.8% 14.2 58.6 215.1 bu/ac

*Note: Adjusted yield formula = average of the two nearby checks compared to the total average of all the check hybrids (215.1 bu/ac bu) then adjust the corn hybrid yield accordingly. Please note plot 19 & 20 were adjusted based off average of all check plots and one nearby check

Actual Raw Yield Spread of Hybrids = 221.9 to 183.8 bu/ac = 38.1 bu/ac

Check Hybrid Yield Spread = 227.8 to 198.9 bu/ac = 28.9 bu/ac