

2016 SOUTHEAST NEBRASKA CORN GROWERS ASSOCIATION

DRYLAND CORN HYBRID PLOT DESCRIPTION

COOPERATOR: Brian Lorenz and 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.

PLOT SIZE: 4 Row Plots, 6 Check Plots, 9 Corn Hybrids

SOIL TYPE: Crete Silt Loam 0-1% Slope

SOIL TEST:

Soil Ph	5.8
Organic Matter %	2.5
Phosphorus (P) Bray 1	12 ppm
Potassium (K)	248 ppm
Zinc (Zn)	.79 ppm
Sulfur (S)	8 ppm

CROP ROTATION: Corn After Soybeans

FERTILIZER: 100 Lbs MESZ (12-40-0-10S-1Zn) Preplant Dry Application
135 Lbs Actual N NH₃ Preplant
No Starter with Planter

TILLAGE: No-Till

HERBICIDE APPLICATION: Fall - 1 Quart Weedmaster
Preplant - 1 Quart Roundup PowerMAX and 2 ½ Quart Acuron
Postplant - None

PLANTING DATE: May 4, 2016

PLANTING POPULATION: 26,000

PLANTING EQUIPMENT: JD 1770 24 Row, 30"

INSECTICIDE: None

FUNGICIDE: None

IRRIGATION: None

HARVEST INFORMATION: Harvested October 26, 2016, with JD S660, 12 Row Head

ADDITIONAL COMMENTS:

2016 SOUTHEAST NEBRASKA CORN GROWERS VARIETY TEST PLOT - DRYLAND

DRYLAND CORN PLOT

Cooperator: Brian Lorenz & John Hajek

Check Variety: Channel 217-41

26-Oct-16

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 Channel 217-41	22,500	7.0%	15.1	57.4	3360	1163.0	225.8	
1	Ag Venture RL 8767 HB AW	20,000	4.5%	15.2	57.7	3000	1163.0	201.4	194.7
2	Champion 66 A16 VTZ	20,000	4.0%	14.8	59.3	2240	1163.0	151.1	144.4
	Check 2 Channel 217-41	22,000	0.0%	15.4	57.2	3200	1163.0	214.3	
3	Prairie Brand R7443RRHX	22,250	7.0%	17.0	56.4	2620	1163.0	172.1	172.1
4	Pioneer P1271 AMT	22,000	2.0%	14.9	57.2	2460	1163.0	165.7	165.7
	Check 3 Channel 217-41	23,000	4.0%	16.1	57.3	3200	1163.0	212.5	
5	DeKalb DKC 60-87 RIB	16,500	1.5%	14.5	59.6	2680	1163.0	181.4	185.2
6	Fontanelle 17A906	18,750	2.5%	16.6	61.0	2760	1163.0	182.2	186.0
	Check 4 Channel 217-41	24,500	3.0%	15.3	57.6	3080	1163.0	206.5	
7	Golden Harvest G14V04 3000 GT	22,750	1.5%	16.6	57.1	3060	1163.0	202.0	202.7
8	AgriGold A6553 VT3 PRIB	21,750	2.0%	15.3	57.5	2600	1163.0	174.3	175.0
	Check 5 Channel 217-41	20,000	11.0%	15.2	58.3	3260	1163.0	218.8	
9	Channel 218-44 STX RIB	20,750	3.3%	16.0	59.4	3040	1163.0	202.1	205.0
	Check 6 Channel 217-41	23,500	5.0%	15.4	58.1	3020	1163.0	202.2	

ALL PLOTS INCLUDING CHECKS

Averages 21,350 3.9% 15.6 58.1 194.2 bu/ac

CHECK PLOTS ONLY

Averages 22,583 5.0% 15.4 57.7 213.4 bu/ac

**Adjusted yield formula = average of the two nearby checks compared to the total average of all the check hybrids (213.4 bu in this trial), then adjust the corn hybrid yield accordingly.

Plot Hybrid Yield Spread = 144.4 bu/ac to 202.1 bu/ac = 57.7 bu/ac (last year - 33.9 bu)

Check Hybrid Yield Spread = 202.2 bu/ac to 225.8 bu/ac = 23.6 bu/ac (last year - 11.7 bu)

Stalk rot and plant population counts taken on 9-27-2016