

2020 North Florida Research and Education Center-SV BMP Grain Corn Variety Trial

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Date	Details
Fall 2019	Wrens Abruzzi rye cover crop planted
2-27-20	Herbicides Round-up and Crossfire applied to burn down rye
3-20-20	Soil was strip-tilled
4-2-20 and 4-3-20	Corn planted at a targeted seeding rate of 30,000 seed/acre in 30" rows Insecticide/nematicide Counter 6 lbs/acre Liquid starter fertilizer 23-9-0 at 16 Gallons/acre Harrell's controlled release fertilizer 24-0-17 Banded by row at 730 lbs/acre (Total fertilizer rates were 215 lbs Nitrogen, 16 lbs phosphorus, and 124 lbs potassium per acre)

Date	Details
4-3-20	Herbicides Round-up Power Max Moccasin II Atrazine
5-13-20	Herbicide Round-up Power Max
5-29-20	Injected through pivot in 50 gallons of water 2 oz Citrasan Powder 16 oz Nutra Trac 4 Gallons Cal Carb (1 gallon per acre)
6-15-20	6.8 oz/acre Approach prima fungicide injected through pivot
6-26-20	Injected through pivot in 50 gallons of water 4 oz BiCarb X 16 oz Nutra Trac 4 Gallons Sulfur Carb (1 gallon per acre)
8-9-20	Harvested at 129 days old

Company	Variety	Number of Plants	Number of Ears	Test Weight	Bushel Per Acre ^a
Agratech	711VT2P	31.0	30.3	59.0	174.1 bcde
Agratech	88VT2P	31.0	30.8	55.0	167.0 de
Croplan	CP5678VT2PCPF2	31.8	31.3	59.6	201.0 a
Croplan	CP5340VT2PCPR2	31.0	29.5	58.7	185.6 abcd
Dekalb	DKC68-69	32.3	32.5	58.6	182.3 abcd
Dekalb	DKC70-27	31.0	30.3	58.4	169.0 cde
Dyna-Gro	D54VC14	31.5	30.3	59.2	189.4 ab
Dyna-Gro	D58VC65	32.0	31.5	59.6	188.9 ab
Local Seed	LC1776VT2P	31.8	31.5	59.1	186.1 abc
Local Seed	LC1987VT2P	31.8	31.3	59.0	179.8 bcd
NK	1677-3110	30.8	30.3	56.8	187.1 abc
NK	1460-5222	31.5	31.0	55.7	157.3 e
Pioneer	P1847YHR	34.3	34.3	58.9	200.4 a
Pioneer	P1870YHR	33.3	32.8	57.6	159.0 e
Mean		31.8	31.2	58.2	180.5
Least Significant Difference (LSD)		Not Significant		2.7	19.1
P-value		0.22	0.03	< 0.001	< 0.001

^a Column numbers followed by different letters are significantly different at P=0.05 by Fisher's protected LSD

Note: Harvest sample size was 1/1000th of an acre