

2021 North Florida Research and Education Center-SV BMP Grain Corn Variety Trial

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Date	Details
Fall 2020	Wrens Abruzzi rye cover crop planted
2/2021	Herbicides Round-up and Crossfire applied to burn down rye
3-24-21	0-0-60 Pre-Plant fertilizer broadcast at 125 lbs/acre
3-24-21	Soil was strip-tilled
3-25-21 and 3-26-21	Corn planted at targeted seeding rate of 30,000 seed/acre on 30" rows 23-9-0 Liquid starter fertilizer at 15 gal/acre placed by the row 2"x2" Insecticide/nematicide Counter in furrow at 5.4 lbs/acre
3-27-21	Herbicides Moccasin II at 16 oz/acre and Atrazine at 32 oz/acre
4-20-21	9-7-28 fertilizer banded by row with 1st Products Rig at 571 lbs/acre
5-5-21	Herbicides Round-up Power Max at 22 oz/acre and Atrazine at 32 oz/acre
5-5-21	28-0-0-5 Liquid fertilizer sidedress banded at 12.5 gal/acre
5-13-21	28-0-0-5 Liquid fertilizer sidedress banded at 12.5 gal/acre
5-14-21	Fungicide Approach Prima applied at 6.8 oz/acre
5-21-21	28-0-0-5 Liquid fertilizer sidedress banded at 12.5 gal/acre
5-28-21	28-0-0-5 Liquid fertilizer sidedress banded at 12.5 gal/acre
8-23-21	Harvested at 151 days old

Type of Fertilizer Used	Total Fertilizer Used
Nitrogen	240 lbs/acre
Phosphorus	56 lbs/acre
Potassium	235 lbs/acre
Sulfur	57.4 lbs/acre
Magnesium	8.5 lbs/acre
Boron	.74 lbs/acre
Manganese	5.6 lbs/acre
Zinc	2.5 lbs/acre





Company	Variety	Number of Plants	Number of Ears	Test Weight	Bushel Per Acre
Agratech	68VT2P	30.5	30.3	58.3	196.6
Agratech	85VT2P	34.0	33.5	58.3	218.5
Agrigold	A647-35-5222	32.5	32.3	53.2	219.9
Agrigold	A6659VT2RIB	33.8	33.8	57.5	219.7
Croplan	CP5340VT2PCPR2	32.8	32.8	57.2	208.4
Croplan	CP5678VT2PCPF2	35.0	34.8	58.7	224.1
Dekalb	DKC68-69	34.0	33.0	59.0	224.8
Dekalb	DKC69-99	33.3	33.3	58.8	211.8
Dyna-Gro	D54VC14	33.8	33.5	58.5	222.8
Dyna-Gro	D55VC80	35.0	35.0	56.5	227.7
Local Seed	LC1577VT2P	32.5	32.3	58.7	214.7
Local Seed	LC1898TC	33.0	32.0	57.7	232.0
NK	NK1677-3110	32.3	32.3	56.8	205.5
NK	NK1748-3110	34.8	33.5	54.9	226.2
Pioneer	P1870YHR	33.3	33.3	57.4	209.3
Pioneer	P2042YHR	36.0	36.0	56.9	229.5
Seedway	8100GenSS	33.8	33.8	59.7	205.8
Seedway	SW1579SSCRIB	33.8	33.8	57.8	223.7
Triangle Seed	MorCorn4670	34.3	34.3	58.1	215.7
Triangle Seed	MorCorn4725VT2P	34.3	34.3	58.1	228.5
Mean		33.6	33.4	57.6	218.3
Least Significant Difference (LSD)		2.9	2.9	0.9	Not Significant
P-value		0.06	0.04	<0.001	0.29

Note: Harvest sample size was 1/100th of an acre and was hand harvested.