

# 2022 NFREC-SV BMP

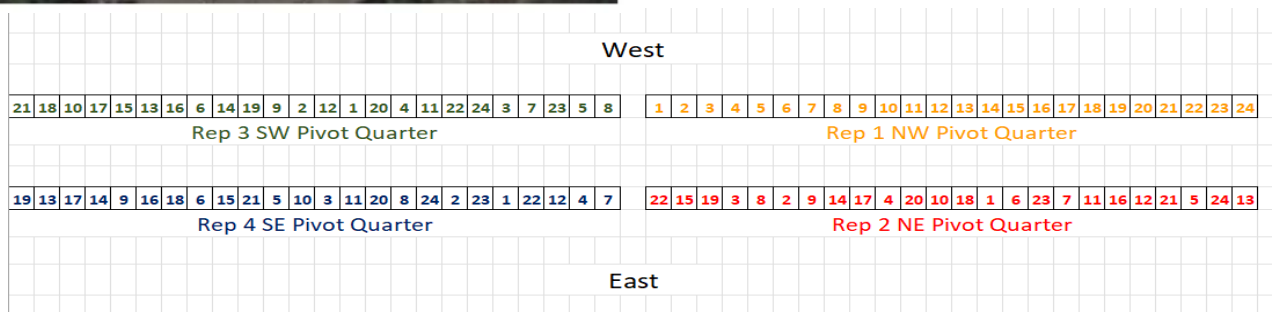
## Grain Corn Variety Trial

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### Purpose and Scope

Each year there is a daunting task for producers to select a variety that will offer the most productive yields under normal conditions in the Suwannee Valley region of North Florida. This trial includes 24 varieties from 12 seed corn companies and each treatment was planted at a population of 30,000 seeds/acre. The trial included 4 replications in a randomized order.

Company	Treatment #	Variety #
Agratech	1	711VT2P
Agratech	2	888VT2P
Agrigold	3	A643-52VT2PRO
Agrigold	4	A6659VT2PRO
Integra	5	6342TRE
Integra	6	6410SS
Croplan	7	CP5678VT2PCPF2
Croplan	8	CP5588VT2PCPR2
Dekalb	9	DKC68-95
Dekalb	10	DKC68-69
Dyna-Gro	11	D58SS65
Dyna-Gro	12	D57VC51
Gateway Seed	13	1719VT2PRO
Gateway Seed	14	9714VT2PRO
Local Seed	15	LC1307TC
Local Seed	16	LC1898TC
NK	17	NK1748-3110
NK	18	NK1838-3110
Pioneer	19	P2042VYHR
Pioneer	20	P1289YHR
Seedway	21	SW1600VT
Seedway	22	SW1579SSCRIB
Triangle Seed	23	MC4725VT2P
Triangle Seed	24	MC4311TRE



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### Treatment List

Prior to planting, these plots were planted in oat cover crop that was burned down with Gramoxone. Plot areas were strip-tilled the day before planting on April 11 and April 12, 2022 and the harvest dates were August 29-31, 2022.

### Fertility:

23-9-0 liquid starter at 12 gallons/acre plus Orangeburg Supra-Starter Micronutrient blend applied 2 X 2 at planting  
 9-7-21 dry blend at 700 lbs/acre banded on both sides applied on 5-18-22  
 1<sup>st</sup> y-drop application of 28-0-0-5 at 27 gallons/acre on 5-26-22  
 2<sup>nd</sup> y-drop application of 28-0-0-5 at 27 gallons/acre on 6-10-22  
 \***Note:** The following AgXplore products were used in starter, side dress, and foliar applications: Contain MAX (Nitrogen management aid), NutraK (foliar Potassium source), OnWard (plant growth regulator), XR5 Sulfur (Sulfur source), Octane (Carbohydrate source), BorPak (Boron source), Inferno (Humic/Fulvic), and AGX 22011 (micronutrient blend source).

### Pesticide/Herbicide:

Counter in furrow at 5.4 lbs/acre at planting  
 Atrazine at 32 oz/acre and Moccasin at 16 oz/acre applied on 4-13-22  
 Atrazine at 32 oz/acre and Moccasin at 16 oz/acre applied on 5-6-22  
 Approach Prima at 6.8 oz/acre was applied via highboy on 6-8-22

### Irrigation:

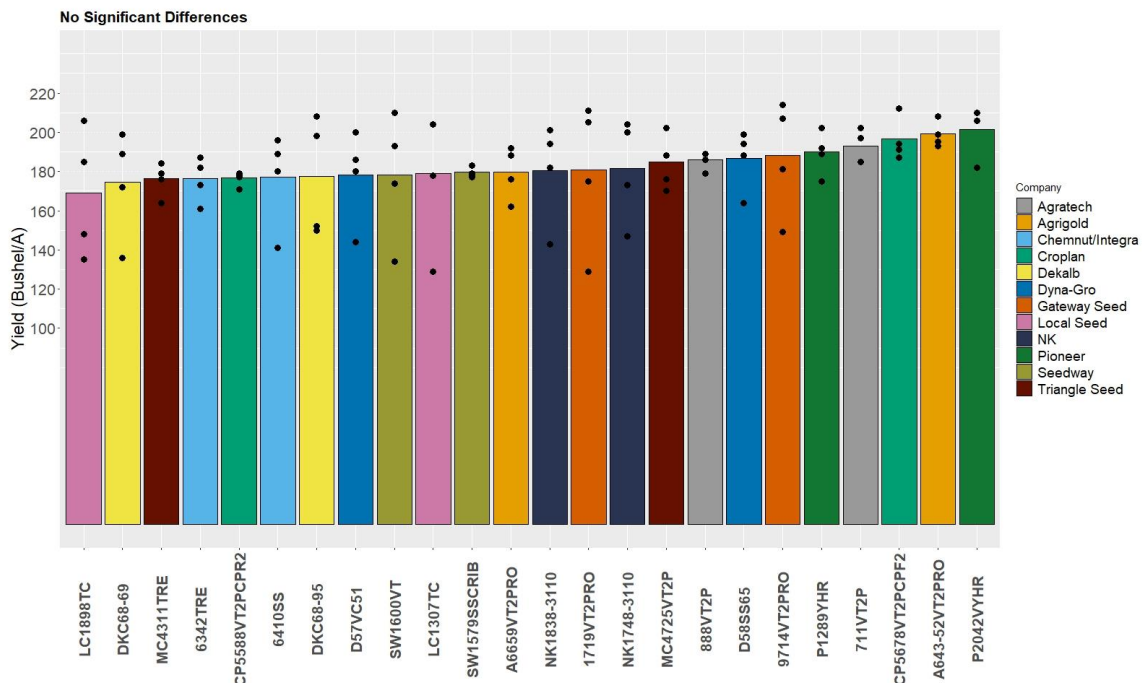
4.83” has been applied through pivot irrigation since 4-13-22

### Total Fertilizer Usage

Nitrogen: 256 lbs/acre	Sulfur: 77 lbs/acre
Phosphorus: 61 lbs/acre	Magnesium: 22 lbs/acre
Potassium: 150 lbs/acre	Boron: 1 lb/acre

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## 2022 Results



Company	Variety	bu/A	Min	Max
Pioneer	P2042VYHR	201.6	182.5	210.5
Agrigold	A643-52VT2PRO	199.2	193.8	208.0
Croplan	CP5678VT2PCPF2	196.6	187.8	212.2
Agratech	711VT2P	192.9	185.4	202.9
Pioneer	P1289YHR	190.1	175.4	202.1
Gateway Seed	9714VT2PRO	188.1	149.5	214.1
Dyna-Gro	D58SS65	186.7	164.9	199.2
Agratech	888VT2P	186.1	179.1	189.5
Triangle Seed	MC4725VT2P	184.7	170.9	202.7
NK	NK1748-3110	181.4	147.7	204.6
Gateway Seed	1719VT2PRO	180.7	129.8	211.8
NK	NK1838-3110	180.5	143.2	201.7
Agrigold	A6659VT2PRO	179.8	162.3	192.4
Seedway	SW1579SSCRIB	179.8	177.4	183.4
Local Seed	LC1307TC	179.1	129.1	204.7
Seedway	SW1600VT	178.3	134.1	210.3
Dyna-Gro	D57VC51	178.1	144.6	200.5
Dekalb	DKC68-95	177.4	150.1	208.2
Chemnut/Integra	6410SS	177.0	142.0	196.3
Croplan	CP5588VT2PCPR2	176.7	171.3	179.3
Chemnut/Integra	6342TRE	176.5	161.8	187.5
Triangle Seed	MC4311TRE	176.3	164.4	184.4
Dekalb	DKC68-69	174.7	136.8	199.3
Local Seed	LC1898TC	169.0	135.6	206.7
<b>Pvalue</b>		<b>0.59</b>		

**Note:** Due to replication effects, there were no significant differences in yields.