



Performance of NSGA47C23 across multiple locations

OVT Mississippi (3 Locations) 2020

Variety	Genetics	Yield*
NSGA47C23	Conventional	67.1
Virtue V4520S	Conventional	63.7
Virtue V4720S	Conventional	64.1
Virtue V4921S	Conventional	57.0

\*Overall Test Average 59.7      MG4's    27 Entries

Potential Economic Benefits of Growing NSGA47C23 with a Premium Attached (scenario I)

Variety	Seed Cost	N	Premium	Yield BU/A	Net \$/A	Net + \$/A with NSGA47C23
NSGA47C23	\$35.00	\$14.39	\$1.50	67.1	\$1066.22	\$47.67
Virtue V4720S	\$45.00	\$14.39	\$1.50	64.1	\$1018.55	\$0

\*Based on data as shown with varieties shown 2020. Premium based on a rough average of premium programs available. Seed costs based on estimates of typical seed costs. Does not include additional inputs such as varying herbicides and related in-season.

Performance of Sitzer 49C across multiple states and locations

USDA Public Soybean Trials (Across 14 locations-2021)

Variety	Genetics	Yield*
Sitzer 49C	Conventional	71.8
AG46X6	Xtend	69.3
Ellis	Conventional	63.9

\*Overall Test Average 65.7      Sitzer 49 #1 Conventional Variety    24 entries

NEREC (U of Arkansas) 2021

Variety	Genetics	Yield*
Sitzer 49C	Conventional	79.4
AG46X6	Xtend	80.0
Ellis	Conventional	53.5

\*Overall Test Average 67

RREC (U of Arkansas) 2021

Variety	Genetics	Yield*
Sitzer 49C	Conventional	92.2
AG46X6	Xtend	88.9
Ellis	Conventional	90.6

\*Overall Test Average 86.8

### Early Planted OVT Arkansas (2 Locations) 2021

Variety	Genetics	Yield*
Sitzer 49C	Conventional	83.2
Pioneer P47A64X RR2X	Xtend	84.4
Dyna-Gro S48XT90 RR2X	Xtend	80.4
<b>*Overall Test Average 71.2</b>		

MG4's 84 Entries Sitzer 49C #1 Conventional #3 Overall

### SE Missouri (Location A) 2021

Variety	Genetics	Yield*
Sitzer 49C	Conventional	74.9
AG46X6	Xtend	76.6
Ellis	Conventional	51.9

**\*Overall Test Average 64.1**

### SE Missouri (Location B) 2021

Variety	Genetics	Yield*
Sitzer 49C	Conventional	71.5
AG46X6	Xtend	82.1
Ellis	Conventional	53.6

**\*Overall Test Average 69.2**

### Potential Economic Benefits of Growing NSGA Sitzer 49C with a Premium Attached (scenario I)

Variety	Seed Cost	N	Premium	Yield BU/A	Net \$/A	Net + \$/A with Sitzer 49C
Sitzer 49	\$35.00	\$14.39	\$1.50	79.4	\$1261.67	\$110.47
AG46X6	\$67.00	\$14.39	\$0	80.0	\$1151.20	\$0

\*Based on data as shown with varieties shown 2021. Premium based on a rough average of premium programs available. Seed costs based on estimates of typical seed costs. Does not include additional inputs such as varying herbicides and related in-season.

### OVT North Carolina (7 Locations) 2021 [Full Season]

Variety	Genetics	Yield*
Sitzer 49C	Conventional	87.9
P4921 XFS	Xtend	88.4
AG 48XFO	Xtend	86.0

**\*Overall Test Average 85.8** MG4's 64 Entries

### OVT North Carolina (7 Locations) 2021 [Double Crop]

Variety	Genetics	Yield*
Sitzer 49C	Conventional	69.4
P4921 XFS	Xtend	64.9
AG 48XFO	Xtend	62.8
V4921S	Conventional	64.4

**\*Overall Test Average 63.9** MG4's 64 Entries Sitzer 49C #1 Conventional

**Potential Economic Benefits of Growing NSGA Sitzer 49C with a Premium Attached (scenario II)**

Variety	Seed Cost	(Nov, 22)	Premium	Yield BU/A	Net \$/A	Net + \$/A Sitzer 49C
Sitzer 49	\$35.00	\$14.39	\$1.50	83.2	\$1322.05	\$165.09
DYNA-GRO S48XT90						
RR2X	\$67.00	\$14.39	\$0	80.4	\$1156.96	\$0

\*Based on data as shown with varieties shown 2021. Premium based on a rough average of premium programs available. Seed costs based on estimates of typical seed costs. Does not include additional inputs such as varying herbicides and related in-season.

**Performance of Drewsoy 5.0 across multiple states and locations**

**Five Year Means for Yield by Soil Type and Yield across 2 locations, Southeast MO**

2012-2016				
Variety	Loam	Clay	Sand	5 Year Mean YLD
Drewsoy 5.0	63.7	70.4	61.7	66.0
AG 5335*	63.4	69.7	40.8	61.9
# Locations	10	9	4	23

\*P94Y10 was the check in 2012, AG5332 was the check in 2013-14 and AG5335 was the check in 2015-16

**Southern Regional Preliminary Tests IV-SL, 2013**

Variety	Yld, BU/A
Drewsoy 5.0	62.4
AG4632RR2Y	59.9
# Locations	9

**Performance of Drewsoy 5.0 vs AG4632RR2Y over 25 locations in the Southern Regional Uniform IVS, test in 2014 & U Group V in 2015**

Variety	Yld, BU/A
Drewsoy 5.0	59.5
AG5332	59.0
# Locations	25

**Potential Economic Benefits of Growing Drewsoy 5.0 with a Premium Attached**

Variety	Seed Cost	(Nov, 22)	Premium	Yield BU/A	Net \$/A	Net + \$/A with Drewsoy 5.0
Drewsoy 5.0	\$34.00	\$14.39	\$1.50	62.4	\$991.54	\$129.58
Asgrow AG 4632RR2Y	\$65.00	\$14.39	\$0	59.9	\$861.96	\$0

\*Based on data as shown with varieties shown from the Southern Regional Preliminary Trials. Premium based on a rough average of premium programs available. Seed costs based on estimates of typical seed costs. Does not include additional inputs such as varying herbicides and related in-season.

**Performance of DREW II across multiple states and locations (Multiple Year Data)**

**Four Year Means for Yield (Bu/A) by Soil Type, Maturity, Height, & Lodging, Mid-South Region (Four Years)**

Variety	Loam	Clay	Sand	4 Year Mean YLD
DREW II	67.5	77.4	44.9	68.1
Asgrow AG 5335	66.8	72.4	36.3	64.3
# Locations	8	8	3	19

**Means of DREW II versus Asgrow AG5335 24 locations (Two Years)**

Variety	Maturity	Height	Lodging	Yield BU/A
DREW II	0	29	1.7	63.8
Asgrow AG 5335	0	40	2.0	59.9
# Locations	7	8	9	24

**Potential Economic Benefits of Growing DREW II with a Premium Attached**

Variety	Seed Cost	(Nov, 22)	Premium	Yield BU/A	Net \$/A	Net + \$/A with DREW II
DREW II	\$35.00	\$14.39	\$1.50	63.8	\$1013.78	\$162.86
Asgrow AG 5335	\$65.00	\$14.39	\$0	59.9	\$861.96	\$0

\*Based on data as shown with varieties shown. Premium based on a rough average of premium programs available. Seed costs based on estimates of typical seed costs. Does not include additional inputs such as varying herbicides and related in-season.

**Performance of NSGA 52CI22 across multiple locations**

**OVT Missouri Trials (Across all 11 locations-2019)**

Variety	Genetics	Yield*
NSGA52CI22	Conventional	62.1
Asgrow AG 53X6	Xtend	55.9
Ellis	Conventional	56.2

\*Test Average 58 bu/A 32 entries

**Potential Economic Benefits of Growing DREW II with a Premium Attached**

Variety	Seed Cost	(Nov, 22)	Premium	Yield BU/A	Net \$/A	Net + \$/A with NSGA52CI22
NSGA52CI22	\$35.00	\$14.39	\$1.50	62.1	\$986.77	\$182.37
Asgrow AG 53X6	\$65.00	\$14.39	\$0	55.9	\$804.40	\$0

\*Based on data as shown with varieties shown. Premium based on a rough average of premium programs available. Seed costs based on estimates of typical seed costs. Does not include additional inputs such as varying herbicides and related in-season.

**Performance of NSGA54C20 across multiple states and locations**

**OVT Arkansas Trials (Across all locations-2020)**

<b>Variety</b>	<b>Genetics</b>	<b>Yield</b>
NSGA54C20	Conventional	67.1
Asgrow AG 52X9	Xtend	65.2
Asgrow AG 53X0	Xtend	68.7
Asgrow AG 52X9	Xtend	69.6

**OVT Arkansas Trials (Across all locations-2021)**

<b>Variety</b>	<b>Genetics</b>	<b>Yield*</b>
NSGA54C20	Conventional	82.0
R16-1445 (Exp)	Conventional	81.4
R15-1587 (Exp)	Conventional	81.2
S16-14801C (Exp)	Conventional	80.5
Local IS5067E3	Enlist E3	79.5
Progeny P5121E3S	Enlist E3	77.9

\*Overall Test Average 74.4 From 21 Total Entries

**Potential Economic Benefits of Growing NSGA54C20 with a Premium Attached**

<b>Variety</b>	<b>Seed Cost</b>	<b>(Nov, 22)</b>	<b>Premium</b>	<b>Yield BU/A</b>	<b>Net \$/A</b>	<b>Net + \$/A with NSGA54C20</b>
NSGA54C20	<b>\$35.00</b>	\$14.39	\$1.50	82	\$1302.98	<b>\$181.99</b>
Progeny P5121E3S	<b>\$67.00</b>	\$14.39	\$0	77.9	\$1120.98	\$0

\*Based on data as shown with varieties shown 2021. Premium based on a rough average of premium programs available. Seed costs based on estimates of typical seed costs. Does not include additional inputs such as varying herbicides and related in-season.