

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

Performance of Sitzer 49C across multiple states and locations

US	DA Public Soybean Trials (Across 1	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) 2	2021
Variety	Genetics	Yield*

VarietyGeneticsYield*Sitzer 49CConventional92.2AG46X6Xtend88.9EllisConventional90.6

*Overall Test Average 86.8

Variety		(Genetics	Yield*				
Sitzer 49C		Conventional			83.2			
Pioneer P47A64X	RR2X	Xtend			84.4			
Dyna-Gro S48XT90	RR2X	Xtend			80.	4		
Overall Test Average 71.2	MG4	MG4's 84 Entries Sitzer 49C #			ntional #3 Overal	I		
		SE Missour	i (Location A)	2021				
Variety		(Genetics		Yield*			
Sitzer 49C		Со	nventional		74.	9		
AG46X6			Xtend		76.	6		
Ellis		Со	nventional		51.	9		
Overall Test Average 64.1								
		SE Missour	i (Location B)	2021				
Variety		(Genetics		Yield	d**		
		Conventional			71.	5		
Sitzer 49C		CU		82.1				
Sitzer 49C AG46X6		CU	Xtend		82.	1		
	Benefits of	Co	Xtend nventional	with a Pre	53.	6 (scenario I)		
AG46X6 Ellis Overall Test Average 69.2 Potential Economic	Seed	Co Growing NS	Xtend nventional GA Sitzer 49C	Yield	53.	6 (scenario I) Net + \$/A with Sitzer		
AG46X6 Ellis Overall Test Average 69.2		Co	Xtend nventional		53. mium Attached	6 (scenario I) Net + \$/A		
AG46X6 Ellis Overall Test Average 69.2 Potential Economic	Seed	Co Growing NS	Xtend nventional GA Sitzer 49C	Yield	53. mium Attached	6 (scenario I) Net + \$/A with Sitzer		
AG46X6 Ellis Overall Test Average 69.2 Potential Economic Variety	Seed Cost	Co Growing NSO N	Xtend nventional GA Sitzer 49C Premium	Yield BU/A	53. mium Attached Net \$/A	6 (scenario I) Net + \$/A with Sitzer 49C		
AG46X6 Ellis Overall Test Average 69.2 Potential Economic Variety Sitzer 49	Seed Cost \$35.00 \$67.00 n varieties show	Co Growing NS N \$14.39 \$14.39 wn 2021. Premi	Xtend nventional GA Sitzer 49C Premium \$1.50 \$0 um based on a ro	Yield BU/A 79.4 80.0 Dugh average	53. mium Attached Net \$/A \$1261.67 \$1151.20 of premium progra	6 (scenario I) Net + \$/A with Sitzer 49C \$110.47 \$0 ams available. Se		
AG46X6 Ellis Overall Test Average 69.2 Potential Economic Variety Sitzer 49 AG46X6 Based on data as shown with osts based on estimates of ty eason.	Seed Cost \$35.00 \$67.00 n varieties show ypical seed cos	Co Growing NSO N \$14.39 \$14.39 wn 2021. Premi ts. Does not inc h Carolina (7	Xtend nventional GA Sitzer 49C Premium \$1.50 \$0 um based on a ro clude additional in Locations) 20	Yield BU/A 79.4 80.0 Dugh average nputs such as	53. mium Attached Net \$/A \$1261.67 \$1151.20 of premium progra varying herbicides	6 (scenario I) Net + \$/A with Sitzer 49C \$110.47 \$0 ams available. Se and related in-		
AG46X6 Ellis Overall Test Average 69.2 Potential Economic Variety Sitzer 49 AG46X6 Based on data as shown with osts based on estimates of ty eason. Variety	Seed Cost \$35.00 \$67.00 n varieties show ypical seed cos	Co Growing NS N \$14.39 \$14.39 vn 2021. Premi ts. Does not inc h Carolina (7	Xtend nventional GA Sitzer 49C Premium \$1.50 \$0 ium based on a ro clude additional in Locations) 20 Genetics	Yield BU/A 79.4 80.0 Dugh average nputs such as	53. mium Attached Net \$/A \$1261.67 \$1151.20 of premium progra varying herbicides ason] Yield	6 (scenario I) Net + \$/A with Sitzer 49C \$110.47 \$0 ams available. Se and related in-		
AG46X6 Ellis Overall Test Average 69.2 Potential Economic Variety Sitzer 49 AG46X6 Based on data as shown with osts based on estimates of ty eason. Variety Sitzer 49C	Seed Cost \$35.00 \$67.00 n varieties show ypical seed cos	Co Growing NS N \$14.39 \$14.39 vn 2021. Premi ts. Does not inc h Carolina (7	Xtend nventional GA Sitzer 49C Premium \$1.50 \$0 um based on a ro clude additional in Locations) 20 Genetics nventional	Yield BU/A 79.4 80.0 Dugh average nputs such as	53. mium Attached Net \$/A \$1261.67 \$1151.20 of premium progra varying herbicides ason] Yield 87.	6 (scenario I) Net + \$/A with Sitzer 49C \$110.47 \$0 ams available. Se and related in-		
AG46X6 Ellis Overall Test Average 69.2 Potential Economic Variety Sitzer 49 AG46X6 Based on data as shown with osts based on estimates of ty eason. Variety	Seed Cost \$35.00 \$67.00 n varieties show ypical seed cos	Co Growing NS N \$14.39 \$14.39 vn 2021. Premi ts. Does not inc h Carolina (7	Xtend nventional GA Sitzer 49C Premium \$1.50 \$0 ium based on a ro clude additional in Locations) 20 Genetics	Yield BU/A 79.4 80.0 Dugh average nputs such as	53. mium Attached Net \$/A \$1261.67 \$1151.20 of premium progra varying herbicides ason] Yield	6 (scenario I) Net + \$/A with Sitzer 49C \$110.47 \$0 ams available. Se and related in-		

OV	OVT North Carolina (7 Locations) 2021 [Double Crop]							
Variety	Genet	cs	Yield*					
Sitzer 49C	Convent	onal	69.4					
P4921 XFS	Xten	Ł	64.9					
AG 48XFO	Xten	Ł	62.8					
V4921S	Convent	onal	64.4					
*Overall Test Average 63.9	MG4's 64 Entries	Sitzer 49C #1 Conventional						

Potential Economic B		owing NSGA	Sitzer 49C w		ium Attached	• •
	Seed			Yield		Net + \$/A
Variety	Cost	(Nov, 22)	Premium	BU/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
RR2X *Based on data as shown with v costs based on estimates of typ	varieties shown	2021. Premium	based on a rou	gh average o	f premium progra	ams available.

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

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)

				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

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

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			

					Net \$/A	Net + \$/A with DREW
Variety	Seed Cost	(Nov, 22)	Premium	Yield BU/A		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

	kansas Trials (Across all locations-2	
Variety	Genetics	Yield
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)

Variety	Genetics	Yield*	
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						
Variety	Seed Cost	(Nov, 22)	Premium	Yield BU/A	Net \$/A	Net + \$/A with NSGA54C20
NSGA54C20	\$35.00	\$14.39	\$1.50	82	\$1302.98	\$181.99
Progeny P5121E3S	\$67.00	\$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 inseason.