



2022 Soybean Variety Performance Trial Results

WHEAT TECH RESEARCH AND DEVELOPMENT DIVISION
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Wheat Tech Agronomy

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Wheat Tech Agronomy 2022 Soybean Variety Performance Test

General Information:

The 2022 Soybean Variety Performance Tests were conducted in five different locations: Charleston, MO, Columbus, IN, New Hope, KY, Hopkinsville, KY, and Adairville, KY. The Charleston, MO, Columbus, IN, and New Hope, KY locations were full season soybean tests, and the other two KY locations were true double cropped trials, following wheat.

The varieties at all but the Columbus were separated into three maturity groups: ≤ 4.4 , 4.5 – 4.7, and ≥ 4.8 . There was a total of 17 varieties in Charleston, 37 varieties in Columbus, and 62 varieties in the New Hope test. At the Hopkinsville, KY and the Adairville, KY location there were 61 varieties. The plots were planted four rows wide by 40 feet long with a Kincaid Voltra planter. The tests at all locations were replicated 4 times. The pre and post sprays were conducted by Wheat Tech. Locations were harvested using a Kincaid 8-XP combine with a HarvestMaster Classic GrainGage HM800 running the Mirus software. The following chart contains quick information about each location.

Test Site:	MO Full Season	IN Full Season	KY Full Season	KY Double Crop Christian	KY Double Crop Logan
Location:	Charleston, MO	Columbus, IN	New Hope, KY	Hopkinsville, KY	Adairville, KY
Planting Date:	5/19/2022	5/11/2022	5/12/2022	6/15/2022	6/16/2022
Harvest Date:	n/a	10/21/2022	10/19/2022	10/28/2022	11/4/2022
Irrigation:	NO	NO	NO	NO	NO
Previous Crop:	Soybeans	Corn	Corn	Wheat	Wheat
Soil Type:	Reelfoot silt loam	Crosby silt loam	Pembroke silt loam	Crider silt loam	Pembroke silt loam
Tillage System:	No-till	No-till	No-till	No-till	No-till
Seeding Rate (s/a):	140,000	140,000	140,000	160,000	160,000
Row Space:	15"	15"	15"	15"	15"

Growing Season:

Full season soybean planting would begin in a typical fashion, with all locations being planted from May 11th-19th. Weather leading up to planting would be somewhat volatile. April rains and colder temperatures early would delay corn planting, which for many acres, would also delay soybean planting. Conditions during planting would be great, and an excellent stand would be achieved at all of the locations. Unfortunately, on May 29th, during the process of burning off the surrounding area of the Missouri location, a shift in the wind caused the fire to destroy our plot. Therefore, no data was able to be collected from this site.

Wheat Tech Agronomy **2022 Soybean Variety Performance Test**

Growing Season:

The following months would bring a lot of dry weather. The once rainy conditions that had slowed planting early in the spring, would completely dry up. Some areas would receive spotty rain showers, however; the regions our plots are located would not see as much. According to www.climate.com, our KY full season site would only get 0.6” of rainfall from June 7th – July 6th, while the Indiana location received 2.5” during the same period. This would be during the vegetative growth stages primarily and would slightly stunt and delay some reproductive stages at the KY full season plot. Drought conditions would plague planting for the double crop plots. Terribly dry soil would not delay planting but would greatly impact emergence. The Logan County double crop location would be planted on June 16th, and it would not receive any measurable rainfall for the next 13 days, however; even that event only brought 0.2”. It would take another 8 days until approximately 2.6” of rain would give the soybeans a desperate drink. The Christian County location would start off a little better, getting 0.7” shower only 2 days after planting.

The full season plots were able to weather the drought conditions. Remaining mostly in the vegetative and early reproductive growth stages seemed to help the timing with that stress. According to Iowa State University, “soybean root growth increases during drought conditions because plant carbohydrates are shifted to root growth. When adequate rainfall or soil moisture returns, vegetative growth will resume until the mid-seeding filling stage” (<https://crops.extension.iastate.edu/cropnews/2017/07/influence-drought-corn-and-soybean>). Disease pressure would remain low, and yields would be high for our full season plots with the Indiana location averaging 83.7 bushels per acre and KY at 75.5. The later planting and seriousness of irregular drought conditions across the state of Kentucky would have a big impact on the yields of both double crop plots. Christian County would experience periods of time with very little rainfall to sustain the soybeans. During the period of August 6th – September 3rd it would receive 0.7” (28 days), and after 1.5” inches fell on Sept. 3-4th, that plot would go another 37 straight days with only 0.3”. This would cause yields there to only average approximately 41.0 bushels per acre. Logan County would receive a few more showers during that time, which would allow for much better yields, 59.7 bu/ac.

Data Interpretation:

The tables on the following pages have been prepared with the entries listed in order of performance, the highest-yielding entry being listed first. All yields presented have been adjusted to 13% moisture. At the bottom of the tables are three different values: LSD (Least Significant Difference), CV (Coefficient of Variation), and Grand Mean. The mean yields of any two varieties being compared must differ by at least the LSD amount shown to be considered different in yielding ability at the 5% level of probability of significance, which is represented by a letter to the right of the corresponding number. CV is a measure of the error variability found within each experiment. It is the ratio of the standard deviation to the mean. Grand Mean is the mean of all values in the group.

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AgriGold
BASF
Bayer (ASGROW)
Beck's Hybrids
Brevant Seeds
Channel Seed
Corteva AgroSciences (Pioneer)
Erwin-Keith, Inc. (Progeny Ag Products)
L&M Glick Seed
NuTech Seed
Nutrien Ag Solutions (Dyna-Gro Seed)
Seed Consultants, Inc.
Stewart Seeds
Stine Seed
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Brad Wilks – Research Director
Ben Goodrum – Research Associate
Brett Maxwell – Research Associate
Tyler Fuesler –Research Associate

Wheat Tech Agronomy
2022 Kentucky Full Season Soybean Variety Test

New Hope, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Xitavo XO 4132E	4.1	83.4 a†	54.0	42
Armor 39-F73	3.9	81.9 ab	54.5	41
Armor 46-F76	4.6	81.7 abc	55.2	45
NuTech 45N09E	4.5	81.6 a-d	55.8	46
Stine 41EB32	4.1	81.5 a-e	54.3	43
Xitavo XO 4522E	4.5	81.2 a-f	54.6	39
Xitavo XO 3922E	3.9	80.9 a-g	54.0	39
USG 7461XFS	4.6	80.1 a-h	55.1	47
Pioneer variety P48A14E	4.8	79.6 a-i	55.7	47
Armor 42-F48	4.2	79.5 a-i	54.6	43
Dyna-Gro S41EN72	4.1	79.2 a-j	54.0	41
Pioneer variety P45A79E	4.5	79.0 a-k	55.7	43
Progeny 4505RXS	4.5	79.0 a-k	55.6	46
NuTech 43N04E	4.3	78.8 a-l	54.0	41
Armor 45-E84	4.5	78.7 a-l	53.6	41
Progeny 4821RX	4.8	78.7 a-l	54.0	44
Stine 48EE20	4.8	78.4 a-l	54.7	42
Progeny 4691XFS	4.6	78.3 a-l	54.8	48
Pioneer variety P42A84E	4.2	77.8 a-m	55.3	43
Dyna-Gro S46XF31S	4.6	77.7 a-m	54.5	47
Progeny 4200RXS	4.2	77.5 a-n	55.1	48
Xitavo XO 4653E	4.6	77.4 a-o	55.7	44
Channel 3823RXF	3.8	76.6 b-p	54.6	37
Stewart 4353XF	4.3	76.6 b-p	54.4	47
Stine 47EE02	4.7	76.6 b-p	54.7	41
Stewart 3843XF	3.8	76.3 b-p	54.4	39
Asgrow AG40XF1	4.0	76.3 b-p	54.2	42
NuTech 47N04E	4.7	76.1 b-q	54.9	41
Armor 39-E75	3.9	76.1 b-q	54.0	39
Progeny 4604XFS	4.6	75.9 b-q	55.0	46
Asgrow AG43XF2	4.3	75.7 c-r	54.1	41
Pioneer variety P44A91E	4.4	75.7 d-r	55.3	41
Progeny 4202XFS	4.2	75.6 e-r	55.1	44
Dyna-Gro S39EN19	3.9	75.2 f-s	53.4	37
Pioneer variety P46A09E	4.6	75.2 f-s	54.1	39
Xitavo XO 4772E	4.7	75.1 g-t	54.6	44
Stine 46EE20	4.6	75.0 g-t	54.7	37
Pioneer variety P37A18E	3.7	75.0 g-t	53.8	33
Dyna-Gro S49XF82S	4.9	75.0 g-t	56.0	42
Armor 47-F72	4.7	74.7 h-t	55.5	43
NuTech 39N04E	3.9	74.5 h-u	54.1	36
Armor 47-E03	4.7	74.4 h-u	54.3	40
USG 7392XFS	3.9	74.3 h-u	54.6	43

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2022 Kentucky Full Season Soybean Variety Test - Continued

New Hope, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Stine 44EE20	4.4	74.3 h-u	54.3	43
USG 7463XFS	4.6	73.9 i-u	54.8	47
Progeny 4521XFS	4.5	73.3 j-u	55.3	43
Stine 41EE62	4.1	73.1 k-u	54.1	41
Dyna-Gro S45ES10	4.5	72.8 l-v	55.4	42
Stine 50EE12	5.0	71.8 m-w	55.2	43
Stewart 4053XF	4.0	71.6 n-w	54.1	42
Progeny 4806XFS	4.8	71.6 n-w	55.3	41
Armor 43-E70	4.3	71.5 o-w	54.4	37
NuTech 40N02E	4.0	71.3 p-w	54.3	36
NuTech 39N07E	3.9	71.3 p-w	54.0	41
Dyna-Gro S38XF22S	3.8	70.0 q-w	54.2	39
Asgrow AG38XF1	3.8	69.7 r-w	54.1	40
Asgrow AG38XF3	3.8	69.2 s-w	54.1	38
Stine 39EA02	3.9	69.1 t-w	52.5	35
Dyna-Gro S49EN12	4.9	68.6 uvw	55.2	43
Stewart 3531XF	3.5	66.9 vw	53.9	33
Channel 3521RXF	3.5	66.4 w	53.4	38
Stewart 3731XF	3.7	66.0 w	54.5	37
LSD P=.10		6.1	.	.
CV		6.9	.	.
Grand Mean		75.5	54.6	42

Planted: May 12, 2022; Harvested: October 19, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2022 Kentucky Full Season Soybean Variety Test

Early Maturity Group (3.6-4.4)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Xitavo XO 4132E	4.1	83.4 a†	54.0	42
Armor 39-F73	3.9	81.9 ab	54.5	41
Stine 41EB32	4.1	81.5 abc	54.3	43
Xitavo XO 3922E	3.9	80.9 a-d	54.0	39
Armor 42-F48	4.2	79.5 a-e	54.6	43
Dyna-Gro S41EN72	4.1	79.2 a-f	54.0	41
NuTech 43N04E	4.3	78.8 a-f	54.0	41
Pioneer variety P42A84E	4.2	77.8 a-f	55.3	43
Progeny 4200RXS	4.2	77.5 a-g	55.1	48
Channel 3823RXF	3.8	76.6 b-h	54.6	37
Stewart 4353XF	4.3	76.6 b-h	54.4	47
Stewart 3843XF	3.8	76.3 b-h	54.4	39
Asgrow AG40XF1	4.0	76.3 b-h	54.2	42
Armor 39-E75	3.9	76.1 b-i	54.0	39
Pioneer variety P44A91E	4.4	75.7 c-j	55.3	41
Progeny 4202XFS	4.2	75.6 c-j	55.1	44
Asgrow AG43XF2	4.3	75.5 c-j	54.1	41
Dyna-Gro S39EN19	3.9	75.2 d-k	53.4	37
Pioneer variety P37A18E	3.7	75.0 d-k	53.8	33
NuTech 39N04E	3.9	74.5 e-l	54.1	36
USG 7392XFS	3.9	74.3 e-l	54.6	43
Stine 44EE20	4.4	74.3 e-l	54.3	43
Stine 41EE62	4.1	73.1 f-m	54.1	41
Stewart 4053XF	4.0	71.6 g-n	54.1	42
Armor 43-E70	4.3	71.5 g-n	54.4	37
NuTech 40N02E	4.0	71.3 h-n	54.3	36
NuTech 39N07E	3.9	71.3 h-n	54.0	41
Dyna-Gro S38XF22S	3.8	70.0 i-n	54.2	39
Asgrow AG38XF1	3.8	69.7 j-n	54.1	40
Asgrow AG38XF3	3.8	69.2 k-n	54.1	38
Stine 39EA02	3.9	68.8 lmn	52.5	35
Channel 3521RXF	3.5	67.0 mn	53.4	38
Stewart 3531XF	3.5	66.9 n	53.9	33
Stewart 3731XF	3.7	66.0 n	54.5	37
LSD P=.10		6.1	.	.
CV		7.0	.	.
Grand Mean		74.7	54.2	40

Planted: May 12, 2022; Harvested: October 19, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2022 Kentucky Full Season Soybean Variety Test
Medium Maturity Group (4.5-4.7)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Armor 46-F76	4.6	81.9 a†	55.1	45
NuTech 45N09E	4.5	81.6 a	55.8	46
Xitavo XO 4522E	4.5	81.2 ab	54.6	39
USG 7461XFS	4.6	80.1 abc	55.1	47
Pioneer variety P45A79E	4.5	79.0 a-d	55.7	43
Progeny 4505RXS	4.5	79.0 a-d	55.6	46
Armor 45-E84	4.5	78.9 a-e	53.5	41
Progeny 4691XFS	4.6	78.3 a-f	54.8	48
Dyna-Gro S46XF31S	4.6	77.7 a-f	54.5	47
Xitavo XO 4653E	4.6	77.4 a-f	55.7	44
Stine 47EE02	4.7	76.6 a-f	54.7	41
NuTech 47N04E	4.7	76.1 b-f	54.9	41
Progeny 4604XFS	4.6	75.9 b-f	55.0	46
Pioneer variety P46A09E	4.6	75.2 c-f	54.1	39
Xitavo XO 4772E	4.7	75.1 c-f	54.6	44
Stine 46EE20	4.6	75.0 c-f	54.7	37
Armor 47-F72	4.7	74.7 c-f	55.5	43
Armor 47-E03	4.7	74.4 def	54.3	40
USG 7463XFS	4.6	73.9 def	54.8	47
Progeny 4521XFS	4.5	73.3 ef	55.3	43
Dyna-Gro S45ES10	4.5	72.8 f	55.4	42
LSD P=.10		5.6	.	.
CV		6.1	.	.
Grand Mean		77.1	54.9	43.2

Planted: May 12, 2022; Harvested: October 19, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

2022 Kentucky Full Season Soybean Variety Test
Late Maturity Group (4.8-5.0)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Pioneer variety P48A14E	4.8	79.6 a†	55.7	47
Progeny 4821RX	4.8	78.7 a	54.0	44
Stine 48EE20	4.8	78.4 a	54.7	42
Dyna-Gro S49XF82S	4.9	75.0 ab	56.0	42
Stine 50EE12	5.0	71.8 bc	55.2	43
Progeny 4806XFS	4.8	71.6 bc	55.3	41
Dyna-Gro S49EN12	4.9	68.6 c	55.2	43
LSD P=.10		5.8	.	.
CV		6.3	.	.
Grand Mean		74.8	55.1	43

Planted: May 12, 2022; Harvested: October 19, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy

2022 KY Double Crop Christian Soybean Variety Fungicide Treated (T) vs Untreated (UT)

Hopkinsville, KY

Brand/Variety	RM‡	T Yield		UT Yield		Yield Resp. (BU/A)	T TW‡ (LB/BU)	UT TW‡ (LB/BU)	T Plant HT‡ (IN)	UT Plant HT‡ (IN)
		(BU/A)	a†	(BU/A)	a-g†					
USG 7461XFS	4.6	53.5	a†	44.7	a-g†	8.8	57.1	56.2	31	33
Asgrow AG49XF3	4.9	47.2	b	46.6	abc	0.6	57.3	57.6	32	31
Pioneer variety P42A84E	4.2	46.8	bc	45.3	a-f	1.5	57.5	57.4	30	29
Stewart 4730XF	4.7	46.4	bcd	44.5	a-g	1.9	56.4	56.6	33	34
Stine 46EE20	4.6	46.3	bcd	40.0	e-n	6.3	55.6	56.2	29	28
Brevant B472EE	4.7	46.1	b-e	42.0	b-m	4.1	55.4	55.7	33	33
Armor 46-F76	4.6	45.9	b-f	41.6	b-m	4.3	56.9	56.6	31	29
Brevant B452EE	4.5	45.8	b-f	41.4	b-m	4.4	57.8	57.4	32	31
Progeny 4521XFS	4.5	45.4	b-g	42.8	a-k	2.6	57.8	56.8	35	32
Progeny 4604XFS	4.6	45.1	b-h	46.7	abc	-1.6	56.4	56.4	32	32
NuTech 47N04E	4.7	44.9	b-i	43.0	a-j	1.9	56.2	56.0	32	32
Progeny 4821RX	4.8	44.9	b-i	46.4	a-d	-1.5	55.9	56.5	32	35
Asgrow AG45XF3	4.5	44.7	b-i	40.3	d-n	4.4	55.8	56.9	32	31
Asgrow AG48XF3	4.8	44.7	b-i	39.4	f-n	5.3	57.3	57.6	33	30
Dyna-Gro S48EN73	4.8	44.6	b-i	36.8	k-o	7.8	56.7	57.0	30	30
Agrigold G4655E3	4.6	44.6	b-i	41.9	b-m	2.7	56.2	56.3	31	31
Dyna-Gro S49XF82S	4.9	44.4	b-j	42.4	a-l	2.0	57.5	57.0	31	32
Stine 41EE62	4.1	44.4	b-j	39.6	f-n	4.8	55.7	55.5	28	27
Brevant B421EE	4.2	44.3	b-j	43.4	a-i	0.9	55.4	55.3	29	29
Stine 41EB32	4.1	44.2	b-j	41.9	b-m	2.3	57.2	57.3	29	26
NuTech 43N04E	4.3	44.2	b-j	36.8	k-o	7.4	55.6	55.6	28	27
Pioneer variety P48A14E	4.8	43.8	b-k	43.0	a-j	0.8	58.0	58.5	34	34
Pioneer variety P46A09E	4.6	43.8	b-k	39.0	g-n	4.8	55.1	56.0	30	30
NuTech 45N09E	4.5	43.3	b-l	45.1	a-g	-1.8	57.6	57.1	32	32
Armor 47-E03	4.7	43.3	b-m	36.5	l-o	6.8	56.3	56.5	32	28
Agrigold G4350XF	4.3	43.2	b-m	40.9	c-n	2.3	56.2	55.4	29	31
Stewart 4053XF	4.0	43.2	b-m	39.1	f-n	4.1	54.8	55.1	29	29
Armor 42-F48	4.2	43.0	b-m	37.9	i-n	5.1	55.7	56.3	29	29
Armor 45-E84	4.5	42.6	b-n	40.3	d-n	2.3	55.4	54.8	34	32
Agrigold G4707E3	4.7	42.5	b-n	41.8	b-m	0.7	56.4	56.5	29	32
Armor 47-F72	4.7	42.4	b-n	36.4	l-o	6.0	57.9	57.3	34	32
Progeny 4200RXS	4.2	41.6	b-n	47.3	ab	-5.7	56.8	57.1	31	30
Dyna-Gro S45ES10	4.5	41.6	b-n	44.2	a-h	-2.6	55.8	56.4	31	28
Dyna-Gro S46XF31S	4.6	41.5	b-n	45.7	a-e	-4.2	56.7	56.4	34	34
Progeny 4505RXS	4.5	41.4	b-n	37.4	i-n	4.0	56.3	56.9	30	32
Progeny 4691XFS	4.6	41.3	b-n	42.2	a-m	-0.9	56.0	56.3	29	33
Asgrow AG47XF3	4.7	41.3	b-n	44.4	a-g	-3.1	56.3	57.0	31	33
Stewart 4353XF	4.3	41.1	b-n	40.0	e-n	1.1	56.3	56.3	34	34
Asgrow AG46XF3	4.6	40.9	c-n	41.1	c-n	-0.2	56.2	56.5	31	32
Stine 44EC20	4.4	40.7	c-n	36.9	j-o	3.8	55.0	55.3	26	29

Wheat Tech Agronomy
2022 KY Double Crop Christian Soybean Variety Fungicide Treated (T) vs Untreated (UT) -
Continued

Hopkinsville, KY

Brand/Variety	RM‡	T Yield		UT Yield		Yield Resp.	T TW‡	UT TW‡	T Plant	UT Plant
		(BU/A)		(BU/A)		(BU/A)	(LB/BU)	(LB/BU)	HT‡ (IN)	HT‡ (IN)
Channel 4720RXF	4.7	40.5	d-o	36.2	mno	4.3	57.2	55.8	31	31
Dyna-Gro S49EN12	4.9	40.1	e-o	40.0	e-n	0.1	58.3	57.9	29	30
Asgrow AG43XF2	4.3	39.8	f-o	35.2	no	4.6	56.3	56.5	25	27
Armor 43-E70	4.3	39.7	g-o	40.8	c-n	-1.1	56.1	56.3	31	29
Dyna-Gro S41EN72	4.1	39.4	g-p	41.0	c-n	-1.6	55.0	55.6	26	28
Progeny 4202XFS	4.2	39.3	g-p	39.9	e-n	-0.6	57.4	57.0	32	31
Brevant B402EE	4.0	39.3	g-p	36.6	l-o	2.7	55.7	54.0	29	27
Stine 48EE20	4.8	39.3	g-p	41.4	b-m	-2.1	57.2	56.7	29	30
Agrigold G4449E3	4.4	39.3	g-p	40.0	e-n	-0.7	55.1	55.7	26	29
Stine 44EE20	4.4	39.2	h-p	40.7	c-n	-1.5	55.9	55.7	29	34
Channel 4223RXF	4.2	39.2	h-p	40.2	d-n	-1.0	56.5	55.7	32	32
Agrigold G4742XF	4.7	38.9	i-p	37.5	i-n	1.4	57.1	56.2	28	29
USG 7463XFS	4.6	38.8	i-p	48.3	a	-9.5	56.8	56.5	27	31
Stewart 4533XF	4.5	38.3	j-p	39.7	e-n	-1.4	57.8	56.8	33	32
Stine 47EE02	4.7	37.9	k-p	37.7	i-n	0.2	57.0	57.2	30	28
Progeny 4806XFS	4.8	37.4	l-q	39.3	f-n	-1.9	57.1	56.2	30	30
Pioneer variety P44A91E	4.4	37.2	m-q	43.2	a-i	-6.0	58.2	57.6	30	28
Pioneer variety P45A79E	4.5	36.8	n-q	37.0	j-n	-0.2	55.9	56.3	28	28
Brevant B392EE	3.9	34.5	opq	30.7	o	3.8	55.1	55.9	28	27
Stine 39EA02	3.9	33.5	pq	41.1	c-n	-7.6	55.3	55.3	29	28
Agrigold G4094XF	4.0	31.3	q	38.2	h-n	-6.9	55.9	55.9	26	29
LSD P=.10		6.1		6.2		.	.	.	.	.
CV		12.5		12.9		.	.	.	.	.
Grand Mean		42.0		40.9		1.1	56.4	56.4	30	30

Planted: June 15, 2022; Harvested: October 28, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Treated replications were sprayed on 8/24/2022.

Wheat Tech Agronomy
2022 KY Double Crop Logan Soybean Variety Test

Adairville, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Brevant B421EE	4.2	71.9 a†	56.1	38
Brevant B472EE	4.7	69.4 ab	56.5	40
Stine 41EE62	4.1	69.0 ab	55.0	35
Dyna-Gro S41EN72	4.1	68.4 abc	55.7	36
NuTech 47N04E	4.7	67.4 a-d	56.8	38
Progeny 4505RXS	4.5	66.8 a-e	56.8	40
Pioneer variety P42A84E	4.2	66.8 a-e	57.8	38
NuTech 43N04E	4.3	66.8 a-e	55.5	37
Pioneer variety P45A79E	4.5	65.9 a-f	57.0	36
Armor 42-F48	4.2	65.8 a-f	56.1	38
USG 7461XFS	4.6	65.5 a-g	57.0	41
Stine 47EE02	4.7	64.9 b-h	56.3	39
Stine 44EE20	4.4	64.7 b-h	56.2	37
Stine 41EB32	4.1	62.8 b-i	56.3	34
Dyna-Gro S48EN73	4.8	62.7 b-i	56.7	37
Brevant B402EE	4.0	62.1 c-j	55.3	35
Progeny 4691XFS	4.6	61.9 c-j	56.7	41
Agrigold G4655E3	4.6	61.8 c-k	56.1	39
Dyna-Gro S49EN12	4.9	61.6 d-l	57.1	35
Stewart 4353XF	4.3	61.6 d-l	56.6	37
Pioneer variety P44A91E	4.4	61.6 d-l	57.5	37
Armor 43-E70	4.3	61.5 d-l	56.2	36
Progeny 4200RXS	4.2	61.3 d-l	56.9	37
USG 7463XFS	4.6	61.2 d-l	57.1	34
Agrigold G4350XF	4.3	61.1 d-l	55.8	38
Brevant B392EE	3.9	61.1 d-l	55.2	35
Stine 48EE20	4.8	60.8 d-m	56.0	37
Pioneer variety P46A09E	4.6	60.5 e-m	55.3	37
Asgrow AG48XF3	4.8	60.1 e-n	57.3	35
Armor 47-E03	4.7	60.0 f-o	56.0	37
Agrigold G4707E3	4.7	60.0 f-o	55.9	36
Armor 46-F76	4.6	59.7 f-o	56.7	40
Channel 4223RXF	4.2	59.5 f-p	56.1	39
Pioneer variety P48A14E	4.8	59.3 f-p	57.7	40
Stine 46EE20	4.6	58.8 g-q	55.9	34
NuTech 45N09E	4.5	58.8 h-q	57.5	36
Agrigold G4094XF	4.0	58.7 h-q	56.4	36
Armor 47-F72	4.7	58.7 h-q	57.2	41
Stine 44EC20	4.4	58.6 h-r	56.7	36
Asgrow AG45XF3	4.5	58.5 h-r	57.2	39
Armor 45-E84	4.5	58.0 i-s	56.3	37
Brevant B452EE	4.5	57.4 i-t	57.1	39
Asgrow AG43XF2	4.3	57.2 i-t	55.5	38

Wheat Tech Agronomy
2022 KY Double Crop Logan Soybean Variety Test - Continued

Adairville, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Channel 4720RXF	4.7	57.0 i-t	55.8	37
Stewart 4053XF	4.0	56.3 i-t	54.8	35
Stewart 4533XF	4.5	55.9 j-u	57.1	39
Dyna-Gro S45ES10	4.5	55.2 k-u	56.6	38
Agrigold G4742XF	4.7	54.9 l-u	56.9	35
Agrigold G4449E3	4.4	54.9 l-u	57.1	35
Stewart 4730XF	4.7	54.1 m-u	56.6	38
Progeny 4806XFS	4.8	53.5 n-u	56.4	39
Stine 39EA02	3.9	53.3 o-u	55.4	32
Dyna-Gro S49XF82S	4.9	52.8 p-u	58.4	38
Progeny 4604XFS	4.6	52.4 q-u	56.7	38
Progeny 4521XFS	4.5	52.3 q-u	56.8	38
Asgrow AG47XF3	4.7	52.2 q-u	57.1	39
Dyna-Gro S46XF31S	4.6	52.1 q-u	56.5	39
Progeny 4821RX	4.8	52.0 r-u	55.5	38
Asgrow AG46XF3	4.6	51.7 stu	56.6	38
Asgrow AG49XF3	4.9	50.8 tu	57.4	39
Progeny 4202XFS	4.2	49.5 u	57.6	37
LSD P=.10		6.7	.	.
CV		9.6	.	.
Grand Mean		59.7	56.5	37

Planted: June 16, 2022; Harvested: November 4, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2022 KY DC Two Location Average Soybean Variety Test

Hopkinsville, KY and Adairville, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Brevant B421EE	4.2	57.7	55.7	34
Pioneer variety P42A84E	4.2	56.1	57.6	34
Brevant B472EE	4.7	55.7	56.1	37
NuTech 47N04E	4.7	55.2	56.4	35
USG 7461XFS	4.6	55.1	56.6	37
USG 7463XFS	4.6	54.8	56.8	33
Dyna-Gro S41EN72	4.1	54.7	55.7	32
Stine 41EE62	4.1	54.3	55.3	31
Progeny 4200RXS	4.2	54.3	57.0	34
Stine 44EE20	4.4	52.7	56.0	36
Pioneer variety P44A91E	4.4	52.4	57.6	33
Stine 41EB32	4.1	52.4	56.8	30
Progeny 4505RXS	4.5	52.1	56.9	36
Progeny 4691XFS	4.6	52.1	56.5	37
NuTech 45N09E	4.5	52.0	57.3	34
Armor 42-F48	4.2	51.9	56.2	34
Agrigold G4655E3	4.6	51.9	56.2	35
NuTech 43N04E	4.3	51.8	55.6	32
Pioneer variety P45A79E	4.5	51.5	56.7	32
Stine 47EE02	4.7	51.3	56.8	34
Armor 43-E70	4.3	51.2	56.3	33
Pioneer variety P48A14E	4.8	51.2	58.1	37
Stine 48EE20	4.8	51.1	56.4	34
Agrigold G4350XF	4.3	51.0	55.6	35
Agrigold G4707E3	4.7	50.9	56.2	34
Stewart 4353XF	4.3	50.8	56.5	36
Dyna-Gro S49EN12	4.9	50.8	57.5	33
Armor 46-F76	4.6	50.7	56.7	35
Channel 4223RXF	4.2	49.9	55.9	36
Pioneer variety P46A09E	4.6	49.8	55.7	34
Asgrow AG48XF3	4.8	49.8	57.5	33
Dyna-Gro S48EN73	4.8	49.8	56.9	34
Dyna-Gro S45ES10	4.5	49.7	56.5	33
Progeny 4604XFS	4.6	49.6	56.6	35
Asgrow AG45XF3	4.5	49.4	57.1	35
Brevant B452EE	4.5	49.4	57.3	35
Stine 46EE20	4.6	49.4	56.1	31
Brevant B402EE	4.0	49.4	54.7	31
Stewart 4730XF	4.7	49.3	56.6	36
Progeny 4821RX	4.8	49.2	56.0	37
Armor 45-E84	4.5	49.2	55.6	35
Dyna-Gro S46XF31S	4.6	48.9	56.5	37
Asgrow AG49XF3	4.9	48.7	57.5	35

Wheat Tech Agronomy

2022 KY DC Two Location Average Soybean Variety Test - Continued

Hopkinsville, KY and Adairville, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Agrigold G4094XF	4.0	48.5	56.2	33
Asgrow AG47XF3	4.7	48.3	57.1	36
Armor 47-E03	4.7	48.3	56.3	33
Stewart 4533XF	4.5	47.8	57.0	36
Stine 44EC20	4.4	47.8	56.0	33
Stewart 4053XF	4.0	47.7	55.0	32
Dyna-Gro S49XF82S	4.9	47.6	57.7	35
Progeny 4521XFS	4.5	47.6	56.8	35
Armor 47-F72	4.7	47.6	57.3	37
Agrigold G4449E3	4.4	47.5	56.4	32
Stine 39EA02	3.9	47.2	55.4	30
Channel 4720RXF	4.7	46.6	55.8	34
Asgrow AG46XF3	4.6	46.4	56.6	35
Progeny 4806XFS	4.8	46.4	56.3	35
Asgrow AG43XF2	4.3	46.2	56.0	33
Agrigold G4742XF	4.7	46.2	56.6	32
Brevant B392EE	3.9	45.9	55.6	31
Progeny 4202XFS	4.2	44.7	57.3	34
Grand Mean		50.3	56.4	34

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCC plot

Wheat Tech Agronomy
2022 KY DC Two Location Average Soybean Variety Test

Early Maturity Group (3.9-4.4)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Brevant B421EE	4.2	57.7	55.7	34
Pioneer variety P42A84E	4.2	56.1	57.6	34
Dyna-Gro S41EN72	4.1	54.7	55.7	32
Stine 41EE62	4.1	54.3	55.3	31
Progeny 4200RXS	4.2	54.3	57.0	34
Stine 44EE20	4.4	52.7	56.0	36
Pioneer variety P44A91E	4.4	52.4	57.6	33
Stine 41EB32	4.1	52.4	56.8	30
Armor 42-F48	4.2	51.9	56.2	34
NuTech 43N04E	4.3	51.8	55.6	32
Armor 43-E70	4.3	51.2	56.3	33
Agrigold G4350XF	4.3	51.0	55.6	35
Stewart 4353XF	4.3	50.8	56.5	36
Channel 4223RXF	4.2	49.9	55.9	36
Brevant B402EE	4.0	49.4	54.7	31
Agrigold G4094XF	4.0	48.5	56.2	33
Stine 44EC20	4.4	47.8	56.0	33
Stewart 4053XF	4.0	47.7	55.0	32
Agrigold G4449E3	4.4	47.5	56.4	32
Stine 39EA02	3.9	47.2	55.4	30
Asgrow AG43XF2	4.3	46.2	56.0	33
Brevant B392EE	3.9	45.9	55.6	31
Progeny 4202XFS	4.2	44.7	57.3	34
Grand Mean		50.7	56.1	33

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCC plot

Wheat Tech Agronomy
2022 KY DC Two Location Average Soybean Variety Test
Medium Maturity Group (4.5-4.7)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Brevant B472EE	4.7	55.7	56.1	37
NuTech 47N04E	4.7	55.2	56.4	35
USG 7461XFS	4.6	55.1	56.6	37
USG 7463XFS	4.6	54.8	56.8	33
Progeny 4505RXS	4.5	52.1	56.9	36
Progeny 4691XFS	4.6	52.1	56.5	37
NuTech 45N09E	4.5	52.0	57.3	34
Agrigold G4655E3	4.6	51.9	56.2	35
Pioneer variety P45A79E	4.5	51.5	56.7	32
Stine 47EE02	4.7	51.3	56.8	34
Agrigold G4707E3	4.7	50.9	56.2	34
Armor 46-F76	4.6	50.7	56.7	35
Pioneer variety P46A09E	4.6	49.8	55.7	34
Dyna-Gro S45ES10	4.5	49.7	56.5	33
Progeny 4604XFS	4.6	49.6	56.6	35
Asgrow AG45XF3	4.5	49.4	57.1	35
Brevant B452EE	4.5	49.4	57.3	35
Stine 46EE20	4.6	49.4	56.1	31
Stewart 4730XF	4.7	49.3	56.6	36
Armor 45-E84	4.5	49.2	55.6	35
Dyna-Gro S46XF31S	4.6	48.9	56.5	37
Asgrow AG47XF3	4.7	48.3	57.1	36
Armor 47-E03	4.7	48.3	56.3	33
Stewart 4533XF	4.5	47.8	57.0	36
Progeny 4521XFS	4.5	47.6	56.8	35
Armor 47-F72	4.7	47.6	57.3	37
Channel 4720RXF	4.7	46.6	55.8	34
Asgrow AG46XF3	4.6	46.4	56.6	35
Agrigold G4742XF	4.7	46.2	56.6	32
Grand Mean		50.2	56.5	35

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height
 -Averages were made using the untreated replications at the KYDCC plot

2022 KY DC Two Location Average Soybean Variety Test
Late Maturity Group (4.8-4.9)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Pioneer variety P48A14E	4.8	51.2	58.1	37
Stine 48EE20	4.8	51.1	56.4	34
Dyna-Gro S49EN12	4.9	50.8	57.5	33
Asgrow AG48XF3	4.8	49.8	57.5	33
Dyna-Gro S48EN73	4.8	49.8	56.9	34
Progeny 4821RX	4.8	49.2	56.0	37
Asgrow AG49XF3	4.9	48.7	57.5	35
Dyna-Gro S49XF82S	4.9	47.6	57.7	35
Progeny 4806XFS	4.8	46.4	56.3	35
Grand Mean		49.4	57.1	34

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height
 -Averages were made using the untreated replications at the KYDCC plot

Wheat Tech Agronomy
2022 KY Three Location Average Soybean Variety Test

New Hope, KY, Hopkinsville, KY, & Adairville, KY

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
USG 7461XFS	4.6	63.4	56.1	40
Pioneer variety P42A84E	4.2	63.3	56.8	37
Dyna-Gro S41EN72	4.1	62.9	55.1	35
NuTech 47N04E	4.7	62.2	55.9	37
Stine 41EB32	4.1	62.1	56.0	34
Progeny 4200RXS	4.2	62.0	56.4	38
NuTech 45N09E	4.5	61.8	56.8	38
USG 7463XFS	4.6	61.1	56.1	37
Armor 42-F48	4.2	61.1	55.7	37
Progeny 4505RXS	4.5	61.1	56.4	39
Armor 46-F76	4.6	61.0	56.2	38
Progeny 4691XFS	4.6	60.8	55.9	41
NuTech 43N04E	4.3	60.8	55.0	35
Pioneer variety P45A79E	4.5	60.6	56.3	36
Pioneer variety P48A14E	4.8	60.6	57.3	40
Stine 41EE62	4.1	60.6	54.9	34
Stine 48EE20	4.8	60.2	55.8	36
Pioneer variety P44A91E	4.4	60.2	56.8	35
Stine 44EE20	4.4	59.9	55.4	38
Stine 47EE02	4.7	59.7	56.1	36
Stewart 4353XF	4.3	59.4	55.8	39
Progeny 4821RX	4.8	59.0	55.3	39
Armor 45-E84	4.5	59.0	54.9	37
Dyna-Gro S46XF31S	4.6	58.5	55.8	40
Progeny 4604XFS	4.6	58.3	56.0	39
Pioneer variety P46A09E	4.6	58.2	55.1	35
Armor 43-E70	4.3	57.9	55.6	34
Stine 46EE20	4.6	57.9	55.6	33
Dyna-Gro S45ES10	4.5	57.4	56.1	36
Armor 47-E03	4.7	57.0	55.6	35
Dyna-Gro S49EN12	4.9	56.7	56.7	36
Dyna-Gro S49XF82S	4.9	56.7	57.1	37
Armor 47-F72	4.7	56.6	56.7	39
Progeny 4521XFS	4.5	56.1	56.3	38
Asgrow AG43XF2	4.3	56.0	55.4	35
Stewart 4053XF	4.0	55.7	54.7	35
Progeny 4202XFS	4.2	55.0	56.6	37
Progeny 4806XFS	4.8	54.8	56.0	37
Stine 39EA02	3.9	54.5	54.4	32
Grand Mean		59.2	55.9	37

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCC plot

Wheat Tech Agronomy
2022 KY Three Location Average Soybean Variety Test

Early Maturity Group (3.9-4.4)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Pioneer variety P42A84E	4.2	63.3	56.8	37
Dyna-Gro S41EN72	4.1	62.9	55.1	35
Stine 41EB32	4.1	62.1	56.0	34
Progeny 4200RXS	4.2	62.0	56.4	38
Armor 42-F48	4.2	61.1	55.7	37
NuTech 43N04E	4.3	60.8	55.0	35
Stine 41EE62	4.1	60.6	54.9	34
Pioneer variety P44A91E	4.4	60.2	56.8	35
Stine 44EE20	4.4	59.9	55.4	38
Stewart 4353XF	4.3	59.4	55.8	39
Armor 43-E70	4.3	57.9	55.6	34
Asgrow AG43XF2	4.3	56.0	55.4	35
Stewart 4053XF	4.0	55.7	54.7	35
Progeny 4202XFS	4.2	55.0	56.6	37
Stine 39EA02	3.9	54.5	54.4	32
Grand Mean		59.4	55.6	36

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCC plot

Wheat Tech Agronomy
2022 KY Three Location Average Soybean Variety Test

Medium Maturity Group (4.5-4.7)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
USG 7461XFS	4.6	63.4	56.1	40
NuTech 47N04E	4.7	62.2	55.9	37
NuTech 45N09E	4.5	61.8	56.8	38
USG 7463XFS	4.6	61.1	56.1	37
Progeny 4505RXS	4.5	61.1	56.4	39
Armor 46-F76	4.6	61.0	56.2	38
Progeny 4691XFS	4.6	60.8	55.9	41
Pioneer variety P45A79E	4.5	60.6	56.3	36
Stine 47EE02	4.7	59.7	56.1	36
Armor 45-E84	4.5	59.0	54.9	37
Dyna-Gro S46XF31S	4.6	58.5	55.8	40
Progeny 4604XFS	4.6	58.3	56.0	39
Pioneer variety P46A09E	4.6	58.2	55.1	35
Stine 46EE20	4.6	57.9	55.6	33
Dyna-Gro S45ES10	4.5	57.4	56.1	36
Armor 47-E03	4.7	57.0	55.6	35
Armor 47-F72	4.7	56.6	56.7	39
Progeny 4521XFS	4.5	56.1	56.3	38
Grand Mean		59.5	56.0	37

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCC plot

2022 KY Three Location Average Soybean Variety Test

Late Maturity Group (4.8-5.0)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Pioneer variety P48A14E	4.8	60.6	57.3	40
Stine 48EE20	4.8	60.2	55.8	36
Progeny 4821RX	4.8	59.0	55.3	39
Dyna-Gro S49EN12	4.9	56.7	56.7	36
Dyna-Gro S49XF82S	4.9	56.7	57.1	37
Progeny 4806XFS	4.8	54.8	56.0	37
Grand Mean		58.0	56.4	38

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

-Averages were made using the untreated replications at the KYDCC plot

Wheat Tech Agronomy
2022 Indiana Full Season Soybean Variety Test

Columbus, IN

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Progeny 4505RXS	4.5	94.2 a†	56.9	45
Progeny 4200RXS	4.2	91.9 ab	56.6	45
Xitavo XO 4132E	4.1	91.9 ab	55.8	42
Progeny 4691XFS	4.6	89.8 abc	56.8	48
Dyna-Gro S49XF82S	4.9	89.4 a-d	57.2	45
Progeny 4604XFS	4.6	89.2 a-e	56.5	48
NuTech 43N04E	4.3	89.2 a-e	55.8	43
Progeny 4821RX	4.8	88.1 a-f	55.9	45
Progeny 4202XFS	4.2	87.3 b-g	56.6	48
Xitavo XO 3922E	3.9	87.2 b-g	55.6	39
Stewart 3843XF	3.8	86.5 b-h	55.7	43
Progeny 4806XFS	4.8	85.9 b-i	57.0	47
Xitavo XO 3651E	3.6	85.4 c-i	56.0	40
Beck's 4030E3	4.0	85.3 c-j	55.7	41
Channel 3521RXF	3.5	85.0 c-k	55.8	39
NuTech 35N03E	3.5	84.6 c-k	55.5	42
Stewart 3531XF	3.5	84.4 c-k	55.6	38
Progeny 4521XFS	4.5	83.5 c-l	56.6	47
NuTech 40N02E	4.0	83.4 c-l	56.4	39
Stewart 3731XF	3.7	83.0 d-m	56.3	42
Dyna-Gro S38XF22S	3.8	82.9 e-m	56.0	41
Dyna-Gro S46XF31S	4.6	82.7 f-m	55.2	46
Dyna-Gro S41EN72	4.1	81.4 g-m	56.1	41
Dyna-Gro S39EN19	3.9	81.2 g-m	55.2	39
NuTech 39N07E	3.9	80.9 g-m	56.0	39
Dyna-Gro S49EN12	4.9	80.6 h-m	55.0	44
NuTech 37N01E	3.7	80.5 h-n	55.5	37
NuTech 39N04E	3.9	80.5 h-n	56.2	38
Xitavo XO 3752E	3.7	80.0 h-n	54.4	36
L & M Glick 38GT	3.8	79.8 i-n	55.3	40
Dyna-Gro S45ES10	4.5	79.5 i-n	57.1	43
Beck's 3530E3	3.5	78.9 j-n	55.7	40
Xitavo XO 3131E	3.1	78.7 k-n	55.4	40
L & M Glick 34E2 E3	3.4	77.1 lmn	55.2	36
L & M Glick 36E1 E3	3.6	76.7 mn	56.0	38
Beck's 3663XF	3.6	76.6 mn	55.2	39
L & M Glick 37E3 E3	3.7	74.2 n	56.2	41
LSD P=.10		6.4	.	.
CV		6.6	.	.
Grand Mean		83.7	55.9	42

Planted: May 11, 2022; Harvested: October 21, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2022 Indiana Full Season Soybean Variety Test

Early Maturity Group (3.1-3.6)

Brand/Variety	RM‡	Yield		TW‡ (LB/BU)	Plant HT‡ (IN)
		RM‡	(BU/A)		
Xitavo XO 3651E	3.6	85.4	a†	56.0	40
Channel 3521RXF	3.5	85.0	ab	55.8	39
NuTech 35N03E	3.5	84.6	ab	55.5	42
Stewart 3531XF	3.5	84.4	ab	55.6	38
Beck's 3530E3	3.5	78.9	abc	55.7	40
Xitavo XO 3131E	3.1	78.7	bc	55.4	40
L & M Glick 34E2 E3	3.4	77.1	c	55.2	36
L & M Glick 36E1 E3	3.6	76.7	c	56.0	38
Beck's 3663XF	3.6	76.6	c	55.2	39
LSD P=.10		6.7		.	.
CV		6.8		.	.
Grand Mean		80.8		55.6	39

Planted: May 11, 2022; Harvested: October 21, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

2022 Indiana Full Season Soybean Variety Test

Medium Maturity Group (3.7-4.2)

Brand/Variety	RM‡	Yield		TW‡ (LB/BU)	Plant HT‡ (IN)
		RM‡	(BU/A)		
Progeny 4200RXS	4.2	91.9	a†	56.6	45
Xitavo XO 4132E	4.1	91.9	a	55.8	42
Progeny 4202XFS	4.2	87.3	ab	56.6	48
Xitavo XO 3922E	3.9	87.2	ab	55.6	39
Stewart 3843XF	3.8	86.5	abc	55.7	43
Beck's 4030E3	4.0	85.3	abc	55.7	41
NuTech 40N02E	4.0	83.4	bc	56.4	39
Stewart 3731XF	3.7	83.3	bc	56.3	42
Dyna-Gro S38XF22S	3.8	82.9	bc	56.0	41
Dyna-Gro S41EN72	4.1	81.4	bc	56.1	41
Dyna-Gro S39EN19	3.9	81.2	bc	55.2	39
NuTech 39N07E	3.9	80.9	bcd	56.0	39
NuTech 37N01E	3.7	80.5	bcd	55.5	37
NuTech 39N04E	3.9	80.5	bcd	56.2	38
Xitavo XO 3752E	3.7	80.0	cd	54.4	36
L & M Glick 38GT	3.8	79.8	cd	55.3	40
L & M Glick 37E3 E3	3.7	74.2	d	56.2	41
LSD P=.10		6.9		.	.
CV		6.9		.	.
Grand Mean		83.4		55.8	41

Planted: May 11, 2022; Harvested: October 21, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2022 Indiana Full Season Soybean Variety Test

Late Maturity Group (4.3-5.0)

Brand/Variety	RM‡	Yield (BU/A)	TW‡ (LB/BU)	Plant HT‡ (IN)
Progeny 4505RXS	4.5	94.2 a†	56.9	45
Progeny 4691XFS	4.6	89.8 ab	56.8	48
Dyna-Gro S49XF82S	4.9	89.4 ab	57.2	45
Progeny 4604XFS	4.6	89.2 abc	56.5	48
NuTech 43N04E	4.3	88.6 abc	55.8	43
Progeny 4821RX	4.8	88.1 bcd	55.9	45
Progeny 4806XFS	4.8	85.9 b-e	57.0	47
Progeny 4521XFS	4.5	83.5 c-f	56.6	47
Dyna-Gro S46XF31S	4.6	82.4 def	55.2	46
Dyna-Gro S49EN12	4.9	80.6 ef	55.0	44
Dyna-Gro S45ES10	4.5	79.5 f	57.1	43
LSD P=.10		5.8	.	.
CV		5.5	.	.
Grand Mean		86.5	56.4	45

Planted: May 11, 2022; Harvested: October 21, 2022

†Means followed by same letter do not significantly differ (P=.10, LSD)

‡Abbreviations: RM: Relative Maturity, TW: Test Weight, HT: Height

Wheat Tech Agronomy
2022 Soybean Variety Characteristics

Soybean Variety Name	Maturity	Soybean Cyst Nematode Resistance	Sudden Death Syndrome	STS	Herb Toler
Agrigold G4094XF	4.0	PI 88.788	MR	No	XtendFlex
Agrigold G4350XF	4.3	PI 88.788	MR	No	XtendFlex
Agrigold G4449E3	4.4	PI 88.788	MR	Yes	Enlist E3
Agrigold G4655E3	4.6	PI 88.788	MR	Yes	Enlist E3
Agrigold G4707E3	4.7	PI 88.788	MS	No	Enlist E3
Agrigold G4742XF	4.7	PI 88.788	MS	No	XtendFlex
Armor 39-E75	3.9	PI88.788	M	No	Enlist E3
Armor 39-F73	3.9	PI88.788	MR	No	XtendFlex
Armor 42-F48	4.2	n/a	n/a	n/a	XtendFlex
Armor 43-E70	4.3	PI88.788	MR	Yes	Enlist E3
Armor 45-E84	4.5	n/a	n/a	n/a	Enlist E3
Armor 46-F76	4.6	PI88.788	MR	Yes	XtendFlex
Armor 47-E03	4.7	PI88.788	M	No	Enlist E3
Armor 47-F72	4.7	n/a	MR	Yes	XtendFlex
Asgrow AG38XF1	3.8	PI88788	MS	No	XtendFlex
Asgrow AG38XF3	3.8	PI88789	MS	No	XtendFlex
Asgrow AG40XF1	4.0	PI88790	MS	Yes	XtendFlex
Asgrow AG43XF2	4.3	PI88791	MR	No	XtendFlex
Asgrow AG45XF3	4.5	PI88792	MR	Yes	XtendFlex
Asgrow AG46XF3	4.6	PI88793	MR	Yes	XtendFlex
Asgrow AG47XF3	4.7	PI88794	MR	Yes	XtendFlex
Asgrow AG48XF3	4.8	PI88795	MR	Yes	XtendFlex
Asgrow AG49XF3	4.9	PI88796	MR	No	XtendFlex
Beck's 3530E3	3.5	PI88788	MR	Yes	Enlist E3
Beck's 3663XF	3.6	PI88788	MR	No	XtendFlex
Beck's 4030E3	4.0	PI88788	MS	No	Enlist E3
Brevant B392EE	3.9	PI88788	MR	No	Enlist E3
Brevant B402EE	4.0	PI88788	MR	No	Enlist E3
Brevant B421EE	4.2	PI88788	MR	No	Enlist E3
Brevant B452EE	4.5	PI88788	MR	No	Enlist E3
Brevant B472EE	4.7	PI88788	MR	No	Enlist E3
Channel 3521RXF	3.5	Resistant	S	No	XtendFlex
Channel 3823RXF	3.8	Resistant	MR	No	XtendFlex
Channel 4223RXF	4.2	Resistant	R	No	XtendFlex
Channel 4720RXF	4.7	Resistant	S	Yes	XtendFlex
Dyna-Gro S38XF22S	3.8	MR	MR	Yes	XtendFlex
Dyna-Gro S39EN19	3.9	MR	MR	No	Enlist E3
Dyna-Gro S41EN72	4.1	MR	MR	No	Enlist E3
Dyna-Gro S45ES10	4.5	MR	MR	Yes	Enlist E3
Dyna-Gro S46XF31S	4.6	MR	MR	Yes	XtendFlex
Dyna-Gro S49EN12	4.9	MR	MR	No	Enlist E3
Dyna-Gro S49XF82S	4.9	MR	MR	Yes	XtendFlex
L & M Glick 34E2 E3	3.4	n/a	n/a	n/a	Enlist E3
L & M Glick 36E1 E3	3.6	n/a	n/a	n/a	Enlist E3
L & M Glick 37E3 E3	3.7	P188.788	n/a	n/a	Enlist E3
L & M Glick 38GT	3.8	n/a	n/a	n/a	GT

All information provided was submitted by each company through the entry form

Wheat Tech Agronomy
2022 Soybean Variety Characteristics - Continued

Soybean Variety Name	Maturity	Soybean Cyst Nematode Resistance	Sudden Death Syndrome	STS	Herb Toler
NuTech 35N03E	3.5	PI88788	MS	No	Enlist E3
NuTech 37N01E	3.7	PI88788	MS	No	Enlist E3
NuTech 39N07E	3.9	PI88788	MS	No	Enlist E3
NuTech 39N04E	3.9	PI88788	MS	No	Enlist E3
NuTech 40N02E	4.0	PI88788	MS	No	Enlist E3
NuTech 43N04E	4.3	PI88788	MS	No	Enlist E3
NuTech 45N09E	4.5	PI88788	MS	No	Enlist E3
NuTech 47N04E	4.7	PI88788	MS	No	Enlist E3
Pioneer variety P37A18E	3.7	PI88788	R	No	Enlist E3
Pioneer variety P42A84E	4.2	PI88788	MR	No	Enlist E3
Pioneer variety P44A91E	4.4	PI88788	MR	No	Enlist E3
Pioneer variety P45A79E	4.5	PI88788	MS	No	Enlist E3
Pioneer variety P46A09E	4.6	PI88788	MR	No	Enlist E3
Pioneer variety P48A14E	4.8	PI88788	MR	No	Enlist E3
Progeny 4200RXS	4.2	MR3	MR	Yes	RR2 Xtend
Progeny 4202XFS	4.2	n/a	MR	Yes	XtendFlex
Progeny 4505RXS	4.5	n/a	MR	Yes	RR2 Xtend
Progeny 4521XFS	4.5	n/a	MR	Yes	XtendFlex
Progeny 4604XFS	4.6	R	MS	Yes	XtendFlex
Progeny 4691XFS	4.6	R	S	Yes	XtendFlex
Progeny 4806XFS	4.8	n/a	S	Yes	XtendFlex
Progeny 4821RX	4.8	R3-MR14	MR	No	RR2 Xtend
Stewart 3531XF	3.5	PI88788	MS	n/a	XtendFlex
Stewart 3731XF	3.7	PI88788	MS	Yes	XtendFlex
Stewart 3843XF	3.8	PI88788	MR	Yes	XtendFlex
Stewart 4053XF	4.0	PI88788	MR	Yes	XtendFlex
Stewart 4353XF	4.3	PI88788	MR	Yes	XtendFlex
Stewart 4533XF	4.5	PI88788	MR	Yes	XtendFlex
Stewart 4730XF	4.7	PI88788	MR	n/a	XtendFlex
Stine 39EA02	3.9	R	MR	No	Enlist E3
Stine 41EB32	4.1	R	R	No	Enlist E3
Stine 41EE62	4.1	n/a	n/a	n/a	Enlist E3
Stine 44EC20	4.4	R	MR	Yes	Enlist E3
Stine 44EE20	4.4	R	n/a	Yes	Enlist E3
Stine 46EE20	4.6	R	R	No	Enlist E3
Stine 47EE02	4.7	R	R	No	Enlist E3
Stine 48EE20	4.8	R	n/a	No	Enlist E3
Stine 50EE12	5.0	R	n/a	No	Enlist E3
USG 7392XFS	3.9	PI 88.788	MR	Yes	XtendFlex
USG 7461XFS	4.6	R	MS	Yes	XtendFlex
USG 7463XFS	4.6	None	MR	Yes	XtendFlex
Xitavo XO 3131E	3.1	PI88788	MR	No	Enlist E3
Xitavo XO 3651E	3.6	PI88788	MR	No	Enlist E3
Xitavo XO 3752E	3.7	PI88788	MR	Yes	Enlist E3
Xitavo XO 3922E	3.9	PI88788	MR	No	Enlist E3
Xitavo XO 4132E	4.1	PI88788	MR	No	Enlist E3
Xitavo XO 4522E	4.5	PI88788	MR	No	Enlist E3
Xitavo XO 4653E	4.6	PI88788	MR	Yes	Enlist E3
Xitavo XO 4772E	4.7	PI88788	MR	No	Enlist E3

All information provided was submitted by each company through the entry form