

Test by: F.I.R.S.T. MSR, Inc. Columbia, MO

## 2021 Soybeans Top 30 Harvest Report

Missouri North [MONO] MARYVILLE, MO

Thummel Enterprises, Inc., Jeff & Deb Thummel, Nodaway County, MO

<b>Early-Season Test</b>	Maturity Group <b>3.2 - 3.7</b> S2021MONO02a
<b>Top 30 of 44</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Resicore, Callisto, Roundup, Atrazine
<b>SOIL DESCRIPTION:</b>	Colo silty clay loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	high P, medium K, 6.3 pH, 3.2% OM, 18.2 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Zidua Pro, Glyphosate, Liberty, Dual, Cover XI, And Leverage 360
<b>FERTILITY - Applied N:</b>	15 sulfur
<b>Applied N-P-K (units):</b>	0-60-100
<b>SEEDED - RATE - ROW:</b>	Jun 6 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 17 121.7 /A

### TEST COMMENTS:

Very good soil conditions at planting into this no-till site. Beans emerged evenly and quickly. There was noticeable consistency across both tests during post-emerge herbicide application. Rainfall was heavily weighed on the front-end of the growing season. Above-average June rainfall was followed by below-average monthly totals through harvest ending the growing season about 6" below normal. There were no signs of herbicide damage, no weed pressure, and no sign of disease pressure. Some green stems made for slightly tougher harvest of the full-season test. The host farmer had a field average of 73 bu/A on his surrounding field of April planted beans. Top-notch test with great yields to boot.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Midland Genetics	3522XF ↗	RXF	3.5	MR	<b>71.8</b>	11.8	4	126.0	862	1
Midland Genetics	3591E3 ↗	E3	3.5	MR	<b>69.3</b>	12.0	4	116.0	832	2
NuTech	35N03E ↗	E3	3.5	R	<b>69.2</b>	12.1	5	122.0	830	3
<b>Burrus</b>	<b>3642E ↗</b>	<b>E3</b>	<b>3.6</b>	<b>R</b>	<b>69.0</b>	<b>12.1</b>	<b>2</b>	<b>130.0</b>	<b>828</b>	<b>4</b>
Dyna-Gro	S35XF72 ↗	RXF	3.5	R	68.1	11.8	2	124.0	817	5
<b>Donmario</b>	<b>DM3756E ↗</b>	<b>E3</b>	<b>3.7</b>	<b>R</b>	<b>68.0</b>	<b>11.7</b>	<b>6</b>	<b>123.7</b>	<b>816</b>	<b>6</b>
FS HiSOY	35E10 ↗	E3	3.5	R	67.9	11.8	12	124.0	815	7
Stine	36EB32 § ↗	E3	3.6	R	67.9	12.3	5	122.3	815	8
AgriGold	G3755E3 ↗	E3	3.7	R	67.8	12.3	5	122.0	814	9
AgriGold	G3490XF ↗	RXF	3.4	R	67.5	11.8	2	116.0	810	10
Xitavo	XO 3651E ↗	E3	3.6	R	67.5	12.2	3	112.7	810	11
Credenz	CZ 3750GTLL ↗	LLGT27	3.7	R	67.5	12.6	4	128.0	810	12
Dyna-Gro	S37XF42 ↗	RXF	3.7	MR	67.3	11.9	2	104.7	808	13
Hoegemeyer	3591 E ↗	E3	3.5	R	67.2	12.0	4	128.0	806	14
Midland Genetics	3392E3 ↗	E3	3.3	R	67.1	12.0	7	118.0	805	15
FS HiSOY	37E10 ↗	E3	3.7	R	67.0	11.8	7	126.0	804	16
<b>Donmario</b>	<b>DM37F51 ↗</b>	<b>RXF</b>	<b>3.7</b>	<b>NA</b>	<b>66.6</b>	<b>11.8</b>	<b>6</b>	<b>129.7</b>	<b>799</b>	<b>17</b>
NuTech	34N06E ↗	E3	3.4	R	66.0	12.0	7	124.0	792	18
Asgrow	AG35XF1 § ↗	RXF	3.5	R	65.9	11.9	1	114.3	791	19
Golden Harvest	GH3442XF ↗	RXF	3.4	MR	65.6	11.8	10	122.0	787	20
AgriGold	G3649E3 ↗	E3	3.6	R	65.6	11.9	2	114.3	787	21
Lewis	3325XF ↗	RXF	3.3	R	65.4	11.8	1	112.3	785	22
Golden Harvest	GH3512E3S ↗	E3,ST	3.5	MR	65.4	12.4	19	125.7	785	23
Xitavo	XO 3402E ↗	E3	3.4	R	65.2	11.9	5	112.0	782	24
Dyna-Gro	S37ES52 ↗	E3	3.7	R	65.0	11.9	5	112.3	780	25
Pioneer	P38T05E § ↗	E3	3.8	R	64.9	11.7	1	131.7	779	26
Lewis	3513XF ↗	RXF	3.5	R	64.8	11.9	3	118.0	778	27
NK Brand	NK37-Z9XF ↗	RXF	3.7	R	64.7	11.8	3	129.7	776	28
Xitavo	XO 3752E ↗	E3,ST	3.7	R	64.5	11.9	10	112.3	774	29
Pioneer	P38T76E § ↗	E3	3.8	NA	64.5	11.9	3	120.0	774	30
Pioneer	P41T07E CK	E3	4.1	MR	57.7	12.5	2	116.3	692	44
					Averages =	<b>65.5</b>	<b>12.0</b>	<b>6</b>	<b>121.7</b>	<b>786</b>
					LSD (0.10) =	2.8	0.3	5		
					LSD (0.25) =	1.5	0.1	3		
William Schelp					C.V. =	4.0				
william.schelp@firstseedtests.com, (573) 819-7968					Historic yield: 59.1 bu/a, 1 yr(s)					

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.00; non-GMO = \$12.00

Report Date: 10/19/2021

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

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