

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

2021 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] TINA, MO
Howard Baker, Carroll County, MO 64643

All-Season Test	Maturity Group 3.5 - 4.5 S2021MOCE02
Top 30 of 79	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore, Atrazine
SOIL DESCRIPTION:	Lagonda silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 6.1 pH, 2.6% OM, 15.8 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Authority Elite, Liberty
Applied N-P-K (units):	0-52-60
SEEDED - RATE - ROW:	Jun 8 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 18 129.0 /A

TEST COMMENTS:

We had very good soil conditions at planting into this stale seedbed site. With very warm temperatures and good soil moisture, beans emerged evenly and quickly. A great stand with noticeable consistency across the entire test set it up for the rest of the year. Rains fell throughout the summer months ending the growing season 4 in. above normal. Hard-pressed to find any green stem at harvest. There were zero weeds. The trial looked excellent all year.

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	59.7	12.4	1	139.0	716	1
Dyna-Gro	S37XF42 ↗	RXF	3.7	MR	58.2	12.5	2	122.3	698	2
FS HISOY	42E10 ↗	E3,ST	4.2	R	58.1	12.4	2	124.0	697	3
Midland Genetics	4082E3 ↗	E3	4.0	R	57.8	11.9	1	122.0	694	4
Xitavo	XO 3861E ↗	E3,ST	3.8	R	57.5	11.6	2	139.0	690	5
Asgrow	AG41XF2 § ↗	RXF	4.1	R	57.4	11.7	2	132.0	689	6
Donmario	DM3932E ↗	E3	3.9	R	57.3	11.8	2	130.0	688	7
Asgrow	AG40XF1 § ↗	RXF	4.0	R	57.2	12.0	7	127.7	686	8
Donmario	DM3756E ↗	E3	3.7	R	57.2	12.3	1	135.3	686	9
Golden Harvest	GH4452XFS ↗	RXF,ST	4.4	MR	57.1	12.9	5	128.0	685	10
Xitavo	XO 3651E ↗	E3	3.6	R	57.0	12.5	1	135.7	684	11
Dyna-Gro	S41EN72 ↗	E3	4.1	R	56.9	11.9	22	120.0	683	12
Lewis	3713XF ↗	RXF	3.7	R	56.7	12.0	5	129.7	680	13
FS HISOY	40F10 ↗	RXF	4.0	R	56.4	12.4	5	114.0	677	14
Credenz	CZ 3750GTLL ↗	LLGT27	3.7	R	56.2	12.0	1	131.3	674	15
NuTech	35N03E ↗	E3	3.5	R	56.2	12.1	1	128.0	674	16
Golden Harvest	GH3732XF ↗	RXF	3.7	R	56.1	11.8	4	128.0	673	17
Golden Harvest	GH4155E3 § ↗	E3	4.1	MR	56.0	12.2	1	124.0	672	18
AgriGold	G3649E3 ↗	E3	3.6	R	55.9	11.9	4	126.0	671	19
Loyal	L3940E ↗	E3	3.9	R	55.6	11.9	1	124.0	667	20
Xitavo	XO 3922E ↗	E3	3.9	R	55.5	11.8	1	129.7	666	21
Midland Genetics	3591E3 ↗	E3	3.5	MR	55.4	12.0	1	123.7	665	22
Midland Genetics	4122XFS ↗	RXF	4.1	MR	55.4	12.7	10	137.3	665	23
Golden Harvest	GH3952XF ↗	RXF	3.9	R	55.2	12.6	2	132.0	662	24
NuTech	39N05E ↗	E3	3.9	R	55.1	12.0	1	131.3	661	25
NuTech	37N01E ↗	E3	3.7	R	54.9	12.0	1	120.0	659	26
Golden Harvest	GH3582E3 ↗	E3	3.5	R	54.9	12.7	1	128.0	659	27
Burrus	3859E ↗	E3	3.8	R	54.6	11.9	1	127.7	655	28
Lewis	4004XF ↗	RXF	4.0	R	54.5	11.8	3	137.3	654	29
Pioneer	P38T05E § ↗	E3	3.8	R	54.5	12.4	1	128.0	654	30

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Averages = **53.6** **12.2** **4** **129.0** **643**

LSD (0.10) = 2.8 ns 4

LSD (0.25) = 1.5 ns 2

C.V. = 5.0

Historic yield: new site

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

Report Date: 10/18/2021

Revised: 10/19/2021 Add missing seeded rate

Additional reports available at www.firstseedtests.com

† 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

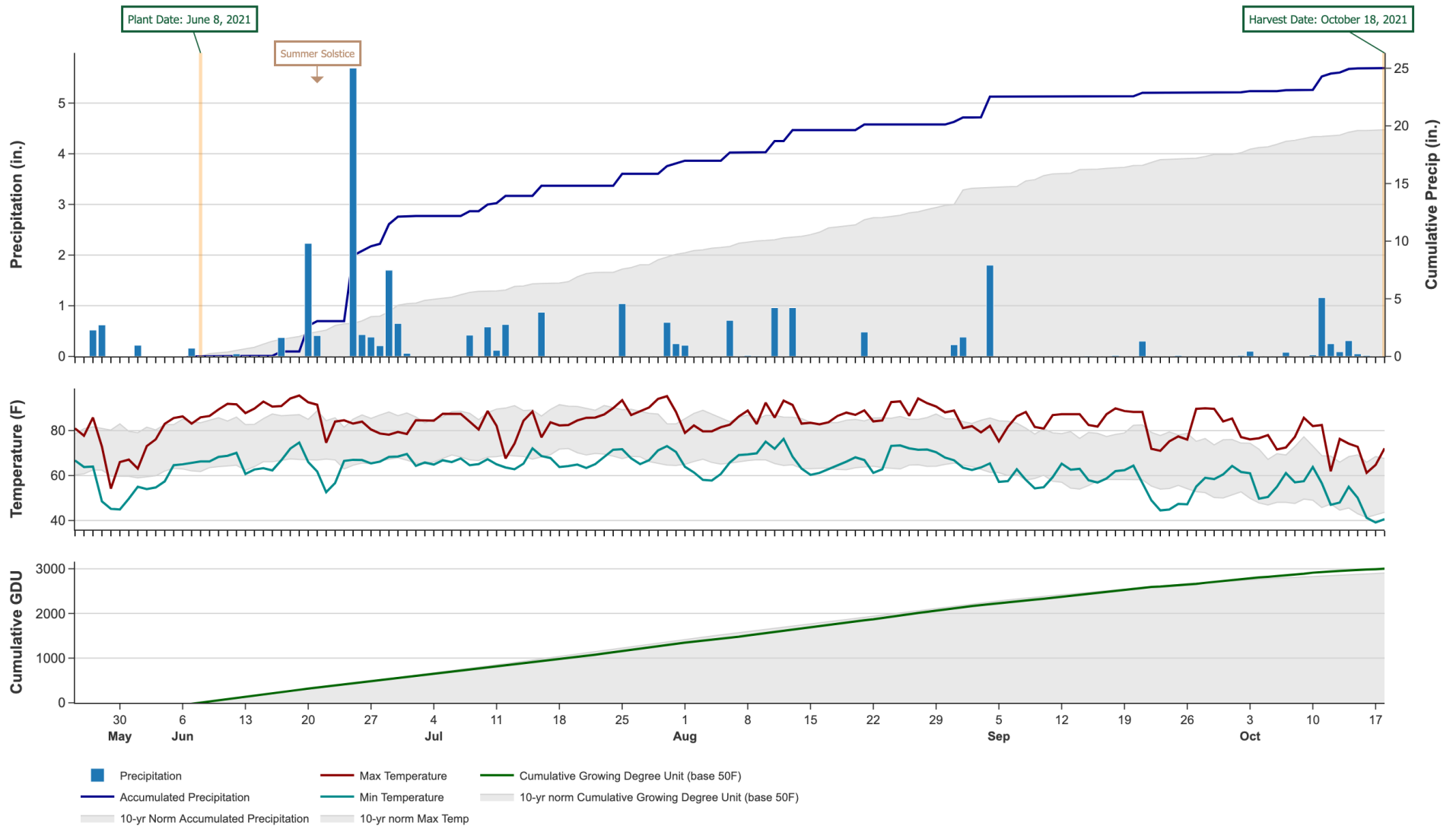
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2021 Soybeans - Missouri Central [MOCE]

Weather Conditions Summary at TINA, MO

Weather Data Retrieved: 10/19/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.1 1.9 (-0.8)	12.5 5.4 (+7.1)	4.6 4.4 (+0.2)	3.6 4.3 (-0.7)	2.5 4.3 (-1.8)	2.1 2.1 (-0.0)	26.5 22.5 (+4.0)
GDU Normal (Diff)	98 145 (-47)	703 732 (-29)	782 831 (-49)	794 772 (+21)	610 556 (+53)	271 186 (+84)	3258 3224 (+33)



* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

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All-Season Test Products (79 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgriGold	G3649E3	E3	R	3.6	ASfi,SA
AgriGold	G3755E3	E3	R	3.7	ASfi,SA
AgriGold	G3957E3	E3	R	3.9	ASfi,SA
AgriGold	G4359E3	E3	R	4.3	ASfi,SA
Asgrow	AG35XF1 §	RXF	R	3.5	ACi
Asgrow	AG40XF1 §	RXF	R	4.0	ACi,IL
Asgrow	AG41XF2 §	RXF	R	4.1	ACi,IL
Burrus	3859E	E3	R	3.8	Treated
Credenz	CZ 3750GTLL	LLGT27	R	3.7	PV,IL,OB
Credenz	CZ 3930GTLL	LLGT27	R	3.9	PV,IL,OB
Credenz	CZ 4241GTLL	LLGT27	NA	4.2	PV,IL,OB
Donmario	DM3756E	E3	R	3.7	BPS-SDS
Donmario	DM37F51	RXF	NA	3.7	BPS-SDS
Donmario	DM3932E	E3	R	3.9	BPS-SDS
Donmario	DM40E62	E3	NA	4.0	CMBV
Donmario	DM42F62	RXF	NA	4.2	CMBV
Dyna-Gro	S37ES52	E3	R	3.7	EQV,SA
Dyna-Gro	S37XF42	RXF	MR	3.7	EQV,SA
Dyna-Gro	S40XF21S	RXF,ST	R	4.0	EQV,SA
Dyna-Gro	S41EN72	E3	R	4.1	EQV,SA
Dyna-Gro	S41ES80	E3	R	4.1	EQV,SA
Dyna-Gro	S43EN61	E3	R	4.3	EQV,SA
FS HiSOY	36F10	RXF	R	3.6	ACi,B-200
FS HiSOY	37E10	E3	R	3.7	ACi,B-200
FS HiSOY	39E10	E3	R	3.9	Treated
FS HiSOY	39F10	RXF	R	3.9	ACi,B-200
FS HiSOY	40F10	RXF	R	4.0	ACi,B-200
FS HiSOY	42E10	E3,ST	R	4.2	Treated
FS HiSOY	44F10	RXF	R	4.4	ACi,B-200
FS HiSOY	45E00	E3	R	4.5	ACi,B-200
Golden Harvest	GH3582E3	E3	R	3.5	CMBV,SA
Golden Harvest	GH3732XF	RXF	R	3.7	CMBV,SA
Golden Harvest	GH3762E3S	E3,ST	MR	3.7	CMBV,SA
Golden Harvest	GH3902E3S	E3,ST	R	3.9	CMBV,SA
Golden Harvest	GH3952XF	RXF	R	3.9	CMBV,SA
Golden Harvest	GH4155E3 §	E3	MR	4.1	CMBV,SA
Golden Harvest	GH4392XF §	RXF	MR	4.3	CMBV,SA
Golden Harvest	GH4452XFS	RXF,ST	MR	4.4	CMBV,SA
Lewis	3513XF	RXF	R	3.5	ACi
Lewis	3623XF	RXF	R	3.6	ACi
Lewis	3713XF	RXF	R	3.7	ACi
Lewis	3910XF	RXF	R	3.9	ACi

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Lewis	4004XF	RXF	R	4.0	ACi
Lewis	4211XF	RXF	R	4.2	ACi
Lewis	4304XF	RXF	R	4.3	ACi
Lewis	4413XF	RXF	R	4.3	ACi
Lewis	4424XF	RXF	R	4.4	ACi
Loyal	L3940E	E3	R	3.9	CMBV,SA
Midland Genetics	3522XF	RXF	MR	3.5	Edge-SST
Midland Genetics	3591E3	E3	MR	3.5	Edge-SST
Midland Genetics	3722XFS	RXF	MR	3.7	Edge-SST
Midland Genetics	3921XFS	RXF	R	3.9	Edge-SST
Midland Genetics	4082E3	E3	R	4.0	Edge-SST
Midland Genetics	4122XFS	RXF	MR	4.1	Edge-SST
Midland Genetics	4260E3S	E3,ST	MR	4.2	Edge-SST
Midland Genetics	4422XF	RXF	MR	4.4	Edge-SST
NK Brand	NK37-V4E3S	E3,ST	MR	3.7	CMBV,SA
NK Brand	NK39-A1XF §	RXF	R	3.9	CMBV,SA
NK Brand	NK42-T5XF	RXF	R	4.2	CMBV,SA
NuTech	35N03E	E3	R	3.5	Lum,Lu,IL
NuTech	37N01E	E3	R	3.7	Lum,Lu,IL
NuTech	39N04E	E3	R	3.9	Lum,Lu,IL
NuTech	39N05E	E3	R	3.9	Lum,Lu,IL
NuTech	43N04E	E3	R	4.3	Lum,Lu,IL
NuTech	45N04E	E3	R	4.5	Lum,Lu,IL
NuTech	45N08E	E3	R	4.5	Lum,Lu,IL
Pioneer	P38T05E §	E3	R	3.8	NA
Pioneer	P38T76E §	E3	NA	3.8	NA
Pioneer	P41T07E §	E3	MR	4.1	NA
Stine	36EB32 §	E3	R	3.6	SFI
Stine	39EC22 §	E3	R	3.9	SFI
Stine	40EC20 §	E3	R	4.0	SFI
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB
Xitavo	XO 3752E	E3,ST	R	3.7	PV,IL,OB
Xitavo	XO 3861E	E3,ST	R	3.8	PV,IL,OB
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB
Xitavo	XO 4371E	E3	R	4.3	PV,IL,OB
Xitavo	XO 4522E	E3,ST	R	4.5	PV,IL,OB

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

Footnotes and Abbreviations Descriptions

Brand Footnotes

CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybeans Technologies

E3	Enlist™ E3
LLGT27	LibertyLink® GT27®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,B-200	Acceleron® Standard Insecticide-Fungicide, B-200 SAT
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ASfi,SA	AgriShield Max with Saltro®
BPS-SDS	Burrus PowerShield® SDS
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
Edge-	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®,
SST	Optimize®, Saltro® (Midland Genetics)
EQV,SA	Equity VIP, Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
Treated	Treated, unspecified

* Seed treatments may include unspecified plant health promoting components.