

2016 Soybean Top 30 Harvest Report
 Pennsylvania Southeast [PASE] MARTINSBURG
 Jim Smith, Blair County, PA 16673



PREV. CROP/HERB: Corn / Lumax, Capreno, atrazine
 SOIL DESCRIPTION: Morrison gravelly silt loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Moderate P, moderate K, 6.2 pH, 5.4 % OM
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: Extreme
 SEEDED - RATE - ROW: Jun 13 175,000 /A 15" Spacing
 HARVESTED - STAND: Nov 15 156,700 /A

All-Season Test
Maturity Group 2.8 - 3.8
 S2016PASE07

Top 30 of 42
 For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
NK Brand	S38-W4 §	RR2Y	3.8	R	CCB,Me	55.4	10.8	2	164.9	\$512
Mid-Atlantic	MAS3855	RRX,ST	3.8	MR	ACi	54.3	11.0	3	162.6	\$502
NK Brand	S35-C3 §	RR2Y	3.5	R	CCB,Me	53.5	10.9	3	155.7	\$495
Channel	3417R2X	RRX	3.4	R	ACi	53.1	10.8	1	160.3	\$491
Channel	3116R2X	RRX	3.1	MR	ACi	53.1	11.2	2	158.0	\$491
TA Seeds	TS3759R2	RR2Y	3.7	R	TE	52.8	10.3	1	158.0	\$488
Mid-Atlantic	MAS3674	RRX	3.6	MR	ACi	52.6	10.8	1	158.0	\$487
Mid-Atlantic	MAS3516NRR2	RR2Y	3.5	MR	ACi	52.4	11.1	1	153.3	\$485
Mycogen	5N387R2	RR2Y	3.8	R	CCB	52.3	10.9	1	160.3	\$484
Doebblers	RPM DB3817R^	RR	3.8	R	DPHB	51.7	10.1	1	158.0	\$478
Channel	3617R2X	RRX	3.6	R	ACi	51.4	11.7	1	164.9	\$475
Steyer	2805R2	RR2Y	2.8	MR	SStd	51.3	11.2	1	151.0	\$475
Hubner	H37-14R2/STS	RR2Y,ST	3.7	MR	ACi	50.7	10.6	1	158.0	\$469
Doebblers	RPM DB3517R^	RR	3.5	R	DPHB	50.5	10.4	1	155.7	\$467
Hubner	H35-16R2	RR2Y	3.5	R	ACi	50.5	10.8	1	151.0	\$467
TA Seeds	TS3169R2	RR2Y	3.1	MR	TE	50.5	11.0	2	153.3	\$467
Asgrow	AG3334 §	RR2Y	3.3	MR	ACi	49.9	10.4	1	164.9	\$462
Doebblers	RPM DB3315RR^	RR	3.3	R	DPHB	49.3	11.0	1	183.5	\$456
Mycogen	5N312R2	RR2Y	3.1	R	CCB	49.1	11.0	1	153.3	\$454
Steyer	3408XR	RRX	3.4	MR	SStd	48.9	11.1	1	160.3	\$452
Chemgro	C3750R2X	RRX	3.7	R	ACi	48.8	11.3	1	153.3	\$451
Asgrow	AG3832 §	RR2Y	3.8	R	ACi	48.3	11.2	1	153.3	\$447
Hubner	H38-16R2X	RRX,ST	3.8	R	ACi	48.1	11.1	2	146.4	\$445
Stine	33RH20 §	RR2Y,ST	3.3	R	SFI	48.0	10.7	2	167.3	\$444
Mycogen	5N343R2	RR2Y	3.4	R	CCB	47.1	10.8	1	162.6	\$436
Stine	35RF02 §	RR2Y,ST	3.5	R	SFI	47.1	10.9	1	155.7	\$436
NK Brand	S36-Y6 §	RR2Y,ST	3.6	R	CCB,Me	47.1	11.0	2	158.0	\$436
Pioneer	P35T58R §	RR	3.5	R	EE,G	46.9	10.6	1	155.7	\$434
Mid-Atlantic	MAS3465	RRX	3.4	MR	ACi	46.8	11.1	1	148.7	\$433
Pioneer	P31T77R §	RR	3.1	R	None	46.3	11.0	1	146.4	\$428

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Averages =	48.3	10.9	1	156.7	\$447
LSD (0.10) =	6.0	0.5	1		
LSD (0.25) =	4.2	0.3	1		
C.V. =	9.1				

Prev. years avg. yield, 65.5 bu/a, 2 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$9.25 GMO; \$9.25 non-GMO

TEST COMMENTS: *Excellent planting conditions provided uniform stands and crop got off to a good start. Rainfall for June was average but rainfall for July and early August was zero. Some varieties were slightly over 1 foot in height, making harvest difficult because pods were set very close to the ground. Yields were better than expected given limited rainfall for most of the season. Overall test rating is 7 of 10. (10=best)*

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

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All-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG3034 §	RR2Y	3.0	R	ACi						
Asgrow	AG3334 §	RR2Y	3.3	MR	ACi						
Asgrow	AG3832 §	RR2Y	3.8	R	ACi						
Channel	3017R2X	RRX	3.0	R	ACi						
Channel	3116R2X	RRX	3.1	MR	ACi						
Channel	3416R2X	RRX	3.4	R	ACi						
Channel	3417R2X	RRX	3.4	R	ACi						
Channel	3617R2X	RRX	3.6	R	ACi						
Chemgro	C3346R2	RR2Y	3.3	R	En						
Chemgro	C3449R2	RR2Y	3.4	R	En						
Chemgro	C3750R2X	RRX	3.7	R	ACi						
Doeblers	RPM DB3315RR^	RR	3.3	R	DPHB						
Doeblers	RPM DB3517R^	RR	3.5	R	DPHB						
Doeblers	RPM DB3817R^	RR	3.8	R	DPHB						
Hubner	H32-13R2	RR2Y	3.2	MR	ACi						
Hubner	H35-16R2	RR2Y	3.5	R	ACi						
Hubner	H37-14R2/STS	RR2Y,ST	3.7	MR	ACi						
Hubner	H38-16R2X	RRX,ST	3.8	R	ACi						
Mid-Atlantic	MAS3465	RRX	3.4	MR	ACi						
Mid-Atlantic	MAS3516NRR2	RR2Y	3.5	MR	ACi						
Mid-Atlantic	MAS3674	RRX	3.6	MR	ACi						
Mid-Atlantic	MAS3855	RRX,ST	3.8	MR	ACi						
Mycogen	5N312R2	RR2Y	3.1	R	CCB						
Mycogen	5N332R2	RR2Y	3.3	R	CCB						
Mycogen	5N343R2	RR2Y	3.4	R	CCB						
Mycogen	5N387R2	RR2Y	3.8	R	CCB						
NK Brand	S35-C3 §	RR2Y	3.5	R	CCB,Me						
NK Brand	S36-Y6 §	RR2Y,ST	3.6	R	CCB,Me						
NK Brand	S38-W4 §	RR2Y	3.8	R	CCB,Me						
Pioneer	92Y51 §	RR	2.5	R	EE,G						
Pioneer	P31T77R §	RR	3.1	R	None						
Pioneer	P35T58R §	RR	3.5	R	EE,G						
Steyer	2805R2	RR2Y	2.8	MR	SStd						
Steyer	3003XR	RRX	3.0	MR	SStd						
Steyer	3408XR	RRX	3.4	MR	SStd						
Steyer	3806XR	RRX	3.8	MR	SStd						
Stine	32RF02 §	RR2Y	3.2	R	SFI						
Stine	33RH20 §	RR2Y,ST	3.3	R	SFI						
Stine	35RF02 §	RR2Y,ST	3.5	R	SFI						
TA Seeds	TS2849R2S	RR2Y,ST	2.8	MR	TE						
TA Seeds	TS3169R2	RR2Y	3.1	MR	TE						
TA Seeds	TS3759R2	RR2Y	3.7	R	TE						

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMmax® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMmax® and XL® are registered trademarks of DuPont Pioneer.
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 Technologies

LL	LibertyLink®
None	Conventional, non-GMO
P	Plenish®
RR	glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Genuity® Roundup Ready 2 Xtend®
ST	sulfonylurea tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

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

Soybean Seed Treatments*

n/a	info unavailable	IL	ILeVO®
AC	Acceleron® fungicide products	In	Intego™ Solo
ACi	Acceleron® fungicide and insecticide products	IS	Intego™ Suite
AG	ArmourGuard™	MAG	Maximum ArmourGuard™
AM	ApronMaxx®	Me	Mertect®
AVB	Avicta® Complete Beans	Mg	Magnum ST™ (standard)
CCB	Clariva™ Complete Beans	NCFI	N-Compass™ Plus F/I
CI	Clariva™ pn	None	untreated
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	SDPI	Servo™ DPI
DPHB	DPH Boost®	SFI	Stine XP fungicide & insecticide
DST	Dominance™ ST	SS	Soyshield™
DX	Defend™ Extra	SS+	Soyshield Plus™
EE	Evergol™ Energy	SStd	SureStand™
En	Encase®	TE	Trius™ Elite
G	Gaucho®	WCX	Warden® CX
Gr+	Great Start™ Max Plus		

* Seed treatments may include unspecified plant health promoting components.