

# 2013 Soybean Top 30 Harvest Report

Mid-Atlantic [ MIDA ] MIDDLETOWN  
 Bill Morrow, New Castle County, DE 19709



Test by: Mid-Atlantic Independent Tech. Svcs., Mt. Hope, PA

PREV. CROP/HERB: Corn / Lumax  
 SOIL DESCRIPTION: Sandy loam, mod. well drained, non-irrigated  
 SOIL CONDITIONS: Mod. High P, moderate K, 6.7 pH, 2.5% OM,  
 TILLAGE/CULTIVATION: No-till  
 PEST MANAGEMENT: Glyphosate  
 SEEDED - RATE - ROW: May 27 185,200 /A 15" Spacing  
 HARVESTED - STAND: Oct 26 168,000 /A

**All-Season Test**  
**3.4 - 4.1 Day CRM**  
 S2013MIDA04

## Top 30 of 30

Sorted for YIELD  
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trmt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Channel	3506R2	RR2Y	3.5	R	ACi	<b>85.8</b>	9.6	3	166.5	\$1,040
Hubner	H40-13R2	RR2Y	4.0	MR	AC,PV	<b>85.5</b>	9.8	4	162.6	\$1,036
Steyer	3802R2	RR2Y	3.8	MR	SStd	<b>84.2</b>	10.3	2	166.5	\$1,021
Channel	3806R2/STS	RR2Y,STS	3.8	MR	ACi	<b>82.6</b>	9.8	1	170.4	\$1,001
Mycogen	5N342R2	RR2Y	3.4	MR	CMB	79.9	10.1	2	178.1	\$968
Mid-Atlantic	MAS3802NRR2	RR2Y	3.8	R	AC	79.3	10.4	2	162.6	\$961
Hubner	H36-14R2	RR2Y	3.6	R	AC,PV	75.8	10.1	5	170.4	\$919
Mid-Atlantic	MAS3511RR2	RR2Y	3.5	R	AC	75.3	10.0	7	166.5	\$913
Doebblers	RPM DB4013RR^	RR	4.0	R	DPHB	74.7	10.1	2	178.1	\$905
Dyna-Gro	S35RY83	RR2Y	3.5	R	ACi	74.6	10.2	4	166.5	\$904
Mid-Atlantic	MAS3689NRR2	RR2Y	3.6	R	AC	73.6	10.1	3	154.9	\$892
Mid-Atlantic	MAS3599RR	RR	3.5	S	AC	73.5	10.1	5	162.6	\$891
Steyer	3702R2	RR2Y	3.7	MR	SStd	72.9	9.9	4	162.6	\$884
Mid-Atlantic	MAS3889NRR2	RR2Y	3.8	R	AC	72.6	10.3	3	174.2	\$880
Doebblers	RPM DB3513RR^	RR	3.5	R	DPHB	72.3	9.9	1	162.6	\$876
Hubner	H34-11R2	RR2Y	3.4	R	AC,PV	72.1	9.9	5	185.9	\$874
Channel	3607R2	RR2Y	3.6	MR	ACi	71.9	10.0	3	166.5	\$871
Mycogen	5N385R2	RR2Y	3.8	MR	CMB	71.9	10.1	5	170.4	\$871
Hubner	H37-14R2/STS	RR2Y,STS	3.7	R	AC,PV	70.3	10.0	20	162.6	\$852
Mid-Atlantic	MAS3113NRR2	RR2Y	3.1	R	AC	69.6	10.3	8	178.1	\$844
Mycogen	5N423R2	RR2Y	4.0	MR	CMB	69.6	10.3	17	162.6	\$844
Mid-Atlantic	MAS3933NRR2/ST	RR2Y,STS	3.5	R	AC	69.4	10.1	9	158.7	\$841
Asgrow	AG3931 GC	RR2Y	3.9	R	None	69.2	10.4	11	174.2	\$839
Dyna-Gro	S38RY84	RR2Y	3.8	R	ACi	67.6	10.1	8	154.9	\$819
Dyna-Gro	S39RY33	RR2Y	3.9	R	ACi	66.9	10.5	4	178.1	\$811
Pioneer	93Y91 GC	RR	3.9	R	None	66.8	9.7	7	166.5	\$810
Channel	3907R2	RR2Y	3.9	MR	ACi	64.3	10.0	6	162.6	\$779
TA Seeds	TS3849R2S	RR2Y,STS	3.9	R	AVB	62.6	10.7	6	170.4	\$759
Doebblers	RPM DB3813RR^	RR	3.8	R	DPHB	60.1	10.5	7	170.4	\$728
Steyer	3403R2	RR2Y	3.4	MR	SStd	58.0	10.6	14	174.2	\$703

*Robin Kauffman*

Test Average =	<b>72.4</b>	<b>10.1</b>	<b>6</b>	<b>168.0</b>	<b>\$878</b>
LSD (0.10) =	7.9	0.3	5		
C.V. =	8.0	2.4			

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Yield & Income Factors    Base Moisture = 13.0%    Shrink = 1.3    Drying = \$0.020    Price =  $\frac{\$12.12}{n/a}$  Local GMO / Non-GMO

**TEST COMMENTS:** Beans started off fast and got extremely tall. Most varieties were at least 48" tall or taller. Pod set was good but spacing was far apart. Two obstacles were that lodging was very high and some varieties did not harvest well, and second, there were some issues with sprayer tire tracks from the herbicide application. Overall rating of the plot for these reasons are a 6 out of 10.

† See last page for additional information. Results in **bold** are significantly above the test average. **CK** = check and **GC** = grower comparison products, **\$** = United Soybean Board entry; **ns** = not significantly different.

2013 Soybean - Mid-Atlantic [ MIDA ]



**All-Season Test Products (30 Total)**

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG3931 GC	RR2Y	3.9	R	None						
Channel	3506R2	RR2Y	3.5	R	ACi						
Channel	3607R2	RR2Y	3.6	MR	ACi						
Channel	3806R2/STS	RR2Y,STS	3.8	MR	ACi						
Channel	3907R2	RR2Y	3.9	MR	ACi						
Doeblers	RPM DB3513RR^	RR	3.5	R	DPHB						
Doeblers	RPM DB3813RR^	RR	3.8	R	DPHB						
Doeblers	RPM DB4013RR^	RR	4.0	R	DPHB						
Dyna-Gro	S35RY83	RR2Y	3.5	R	ACi						
Dyna-Gro	S38RY84	RR2Y	3.8	R	ACi						
Dyna-Gro	S39RY33	RR2Y	3.9	R	ACi						
Hubner	H34-11R2	RR2Y	3.4	R	AC,PV						
Hubner	H36-14R2	RR2Y	3.6	R	AC,PV						
Hubner	H37-14R2/STS	RR2Y,STS	3.7	R	AC,PV						
Hubner	H40-13R2	RR2Y	4.0	MR	AC,PV						
Mid-Atlantic	MAS3113NRR2	RR2Y	3.1	R	AC						
Mid-Atlantic	MAS3511RR2	RR2Y	3.5	R	AC						
Mid-Atlantic	MAS3599RR	RR	3.5	S	AC						
Mid-Atlantic	MAS3689NRR2	RR2Y	3.6	R	AC						
Mid-Atlantic	MAS3802NRR2	RR2Y	3.8	R	AC						
Mid-Atlantic	MAS3889NRR2	RR2Y	3.8	R	AC						
Mid-Atlantic	MAS3933NRR2/STS	RR2Y,STS	3.5	R	AC						
Mycogen	5N342R2	RR2Y	3.4	MR	CMB						
Mycogen	5N385R2	RR2Y	3.8	MR	CMB						
Mycogen	5N423R2	RR2Y	4.0	MR	CMB						
Pioneer	93Y91 GC	RR	3.9	R	None						
Steyer	3403R2	RR2Y	3.4	MR	SStd						
Steyer	3702R2	RR2Y	3.7	MR	SStd						
Steyer	3802R2	RR2Y	3.8	MR	SStd						
TA Seeds	TS3849R2S	RR2Y,STS	3.9	R	AVB						

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaxx® 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 F.I.R.S.T. when space permits.
§	United Soybean Board sponsored entry

### Soybean Technologies

None	Conventional, non-GMO
LL	LibertyLink®
RR	Roundup Ready® Soybeans
RR2Y	Genuity® Roundup Ready 2 Yield®
STS	STS® - sulfonyleurea tolerant soybeans

### Soybean Cyst Nematode (SCN) Resistance Rating

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

### Soybean Seed Treatments\*

?	Information not provided	Ex	Excalibre™
A	Allegiance®	G	Gaucho®
AC	Accelaron® fungicide products	I	Inovate™ System
ACi	Accelaron® fungicide and insecticide products	None	untreated
AM	ApronMaxx®	O	Optimize®
AP	Apron XL®	PV	Poncho®/Votivo®
AVB	Avicta® Complete Beans	RS	Right Stand™
C	Cruiser®	SCE	SmartCote™ Extra
CC	CurryCoat™	SDPI	Servo DPI
CMB	CruiserMaxx® Beans	SS+	Soyshield Plus™
CMBV	CruiserMaxx® Beans with Vibrance	SStd	SureStand™
DPHB	DPH Boost™	T	Trilex®
EE	Evergol™ Energy		

\* Seed treatments may include unspecified plant health promoting components.