

2017 Soybean Top 30 Harvest Report

Delaware Maryland North [DMNO] WESTMINSTER
Doug Armagost, Carroll County, MD 21155



PREV. CROP/HERB: Corn
SOIL DESCRIPTION: Clay loam, moderately drained, non-irrigated
SOIL CONDITIONS: High P, high K, 6.2 pH, 2.5% OM, 7.2 CEC
TILLAGE/CULTIVATION: No-till
PEST MANAGEMENT: Envive,Raptor
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: Jun 7 165,000 /A 30" Spacing
HARVESTED - STAND: Nov 28 158,800 /A

All-Season Test
Maturity Group 3.4 - 4.3
S2017DMNO01

Top 30 of 42

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

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P35T58R §	RR	3.5	R	68.7	10.2	6	161.5	\$638	1
Mid-Atlantic	MAS4355NRR2/STS	RR2Y,ST	4.3	MR	64.0	9.9	14	159.1	\$594	2
Bayer	CZ3841LL	LL	3.8	R	62.8	10.4	9	159.1	\$583	3
Hubner	H43-27R2X	RRX,ST	4.3	R	62.5	10.1	6	153.3	\$580	4
Bayer	CZ4222LL	LL	4.2	MR	61.9	9.7	11	156.8	\$574	5
Stine	41RH22 §	RR2Y,ST	4.1	R	60.1	10.1	7	154.5	\$558	6
NK Brand	S39-T3 §	RR2Y,ST	3.9	R	57.5	9.6	6	161.5	\$534	7
Stine	37RI02 §	RR2Y	3.7	R	57.1	10.0	6	160.3	\$530	8
Channel	4218R2X/SR	RRX,ST	4.2	R	57.0	10.3	6	161.5	\$529	9
Mid-Atlantic	MAS3674RR2/STS/EX	RRX,ST	3.6	MR	56.3	10.3	7	158.0	\$522	10
Mid-Atlantic	MAS3817RR2	RR2Y	3.8	MR	56.0	10.0	9	160.3	\$520	11
Asgrow	AG43X7 §	RRX,ST	4.3	R	55.7	9.1	7	159.1	\$517	12
Channel	3718R2X	RRX	3.7	R	55.1	9.8	3	155.7	\$511	13
Hubner	H42-13R2	RR2Y	4.2	R	54.9	10.1	4	161.5	\$509	14
NK Brand	S39-P5X §	RRX	3.9	R	54.4	10.7	9	154.5	\$505	15
Bayer	CZ3738LL	LL	3.7	MR	54.3	10.0	5	153.3	\$504	16
Bayer	CZ4308LL	LL	4.3	MR	53.4	10.2	16	160.3	\$496	17
NK Brand	S42-P6 §	RR2Y	4.2	R	53.2	10.1	10	161.5	\$494	18
Mid-Atlantic	MAS3516RR2	RR2Y	3.5	MR	53.1	9.6	6	155.7	\$493	19
Great Heart	GT-4231XS	RRX,ST	4.2	R	52.3	10.6	7	152.2	\$485	20
Asgrow	AG39X7 §	RRX,ST	3.9	R	52.2	10.6	6	153.3	\$484	21
Asgrow	AG36X6 §	RRX	3.6	R	52.0	10.4	7	160.3	\$483	22
Doebblers	RPM DB3817R^	RR	3.8	R	51.6	10.5	4	154.5	\$479	23
Channel	3816R2X/SR	RRX,ST	3.8	R	51.5	10.8	9	149.8	\$478	24
Mid-Atlantic	MAS3889RR2/STS	RR2Y,ST	3.8	R	51.5	10.9	9	163.8	\$478	25
T.A. Seeds	TS3759R2	RR2Y	3.7	MR	50.9	11.0	6	160.3	\$472	26
Great Heart	GT-3711XS	RRX,ST	3.7	R	49.6	11.0	7	160.3	\$460	27
Doebblers	RPM 40R8^	RR	4.0	R	49.2	10.7	11	162.6	\$457	28
Bayer	CZ3443LL	LL	3.4	MR	48.9	10.4	11	155.7	\$454	29
Bayer	CZ4105LL	LL	4.1	R	48.4	10.8	2	159.1	\$449	30

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Averages =	52.4	10.4	7	158.8	\$487
LSD (0.10) =	7.7	ns	3.4		
LSD (0.25) =	4.0	ns	1.8		
C.V. =	13.8				

Prev. years avg. yield, 65.3 bu/a, 4 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$9.28 GMO; \$9.28 non-GMO

TEST COMMENTS: Soil conditions were excellent at planting allowing for good emergence. Most of the growing season had above average rainfall and cooler than normal temperatures. Weed control was good with only a few grasses escaping. Overall rating of the plot is a 7 out 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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Report Date: 11/29/2017 Revised:

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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	AG36X6 §	RRX	3.6	R	ACi						
Asgrow	AG39X7 §	RRX,ST	3.9	R	ACi						
Asgrow	AG43X7 §	RRX,ST	4.3	R	ACi						
Bayer	CZ3443LL	LL	3.4	MR	EE,IL,PV						
Bayer	CZ3738LL	LL	3.7	MR	EE,IL,PV						
Bayer	CZ3841LL	LL	3.8	R	EE,IL,PV						
Bayer	CZ4105LL	LL	4.1	R	EE,IL,PV						
Bayer	CZ4222LL	LL	4.2	MR	EE,IL,PV						
Bayer	CZ4308LL	LL	4.3	MR	EE,IL,PV						
Channel	3718R2X	RRX	3.7	R	ACi						
Channel	3816R2X/SR	RRX,ST	3.8	R	ACi						
Channel	4218R2X/SR	RRX,ST	4.2	R	ACi						
Channel	4317R2X/SR	RRX,ST	4.3	R	ACi						
Doeblers	RPM 39X8^	RRX	3.9	R	DPHB,IL						
Doeblers	RPM 40R8^	RR	4.0	R	DPHB,IL						
Doeblers	RPM 42X8^	RRX	4.2	R	DPHB,IL						
Doeblers	RPM DB3517R^	RR	3.5	R	DPHB						
Doeblers	RPM DB3817R^	RR	3.8	R	DPHB						
Great Heart	GT-3711XS	RRX,ST	3.7	R	Gr+						
Great Heart	GT-3926X	RRX	3.9	R	Gr+						
Great Heart	GT-4231XS	RRX,ST	4.2	R	Gr+						
Hubner	H38-37R2X	RRX	3.8	R	AC,PV						
Hubner	H42-13R2	RR2Y	4.2	R	AC,PV						
Hubner	H43-27R2X	RRX,ST	4.3	R	AC,PV						
Hubner	H47-16R2X	RRX,ST	4.7	R	AC,PV						
Mid-Atlantic	MAS3500EXPT/GT	BG	3.5	MR	PS						
Mid-Atlantic	MAS3516RR2	RR2Y	3.5	MR	PS						
Mid-Atlantic	MAS3674RR2/STS/E	RRX,ST	3.6	MR	PS						
Mid-Atlantic	MAS3817RR2	RR2Y	3.8	MR	PS						
Mid-Atlantic	MAS3889RR2/STS	RR2Y,ST	3.8	R	PS						
Mid-Atlantic	MAS4100EXPT/GT	BG	4.1	MR	PS						
Mid-Atlantic	MAS4355NRR2/STS	RR2Y,ST	4.3	MR	PS						
NK Brand	S39-P5X §	RRX	3.9	R	CCB,Me						
NK Brand	S39-T3 §	RR2Y,ST	3.9	R	CCB,Me						
NK Brand	S42-P6 §	RR2Y	4.2	R	CCB,Me						
Pioneer	P31T77R §	RR	3.1	R	?						
Pioneer	P35T58R §	RR	3.5	R	?						
Stine	37RI02 §	RR2Y	3.7	R	SFI						
Stine	41RH22 §	RR2Y,ST	4.1	R	SFI						
Stine	43RE02 §	RR2Y	4.3	R	SFI						
T.A. Seeds	TS3759R2	RR2Y	3.7	MR	TE						
T.A. Seeds	TS3969R2X	RRX	3.9	MR	TE						

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , RPM [®] , Supreme EX [®] , VPM [®] 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

BG	Balance™ GT
LL	LibertyLink [®]
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity [®] Roundup Ready 2 Yield [®]
RRX	Roundup Ready 2 Xtend [®]
ST	Sulfonylurea herbicide tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

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

Soybean Seed Treatments*

?	information unavailable	Gr+	Great Start™ Max Plus
A2020	Alert 2020™	I	insecticide
AC	Acceleron [®] fungicide products	IL	ILeVO [®]
ACi	Acceleron [®] fungicide and insecticide products	In	Intego™ Solo
AG	ArmourGuard™	IS	Intego™ Suite
AM	ApronMaxx [®]	MAG	Maximum ArmourGuard™
ASfi	AgriShield [®] F+I	Me	Mertect [®]
AVB	Avicta [®] Complete Beans	Mg	Magnum ST™ (standard)
AVBV	Avicta [®] Complete Beans with Vibrance [®]	NCFI	N-Compass™ Plus F/I
CCB	Clariva™ Complete Beans	None	untreated
CI	Clariva™ pn	Pd	proTect D™
CMB	CruiserMaxx [®] Beans	Pdi	proTect D/I™
CMBV	CruiserMaxx [®] Beans with Vibrance [®]	PG+	Profit Guard +™
DPHB	DPH Boost [®]	PS	MAS Pro-Shield
DST	Dominance™ ST	PV	Poncho [®] /Votivo [®]
DX	Defend™ Extra	SDPI	Servo™ DPI
EcTC	Eclipse™ US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol™ Energy	SS	Soyshield™
EL	Elevate™ F+I	SS+	Soyshield Plus™
ELV	Elevate™ VIP (F+I+N)	SStd	SureStand™
En	Encase [®]	TE	Trius Elite™
EQV	Equity [®] VIP	TT	Turbo Treat™
Es	Escalate™	W	Warden [®] CX
F	fungicide	Wr	Warden [®] RTA
G	Gaicho [®]	YPP	YP Pro™

* Seed treatments may include unspecified plant health promoting components.