

2021 Silage Harvest Report for Pennsylvania Southeast [PASE]

Mike Brubaker, Lancaster County, PA 17552 [MOUNT JOY]

PREV. CROP/HERB: Corn / lumax, Capreno, atrazine

SOIL INFORMATION: Silt loam, mod. well drained, no-till, very high P, very high K, 6.3 pH, 2.9% OM, non-irrigated

UNITS N-P-K Applied: 330-180-290, N Applied: 100 Fall, 100 Spring, 65 Planter, 65 Sidedress

PEST MANAGEMENT: Lumax, Xyway, Ethos XP, Capreno, atrazine

SEEDED - RATE: May 7 34,500 /A

HARVESTED - STAND: Sep 13 30,800 /A



Test by: Mid-Atlantic Independent Tech. Svcs., Mount Joy, PA

113 - 119 Day CRM

L2021PASE20

Top 30 of 42 Products Tested, 3 Rep. Yield Average

Company/Brand	Product/Brand†	Technology†	CRM	Yield at		Dry Matter (%)	Crude Protein (% DM)	ENERGY			FIBER			Milk/Ton DM††		Milk/Acre (Lbs)↓
				65% H2O (Tons/A)	Stand (x1,000)			Starch (% DM)	In-Situ SD 7 h (%)	NEL (Mcal/lb)	NDF (% DM)	NDFd 30h* (% of NDF)	uNDF 240 h (%DM)	(Lbs)	Rank	
Mid-Atlantic	MA5161	5122,B	116	25.9	27.9	35.9	8.9	39.2	58.36	0.80	34.0	58.8	9.4	3,756	1	34,092
Mid-Atlantic	MA5166	3111	116	26.3	31.8	34.4	8.6	35.4	58.46	0.77	37.0	60.4	10.2	3,676	7	33,880
Dyna-Gro	D57TC29	TRE	117	25.9	32.1	36.3	8.8	39.3	56.19	0.78	35.8	57.6	11.3	3,731	3	33,865
Local Seed	LC1919 VT2P	VT2P,B	119	26.4	32.3	37.1	9.6	37.2	59.12	0.79	35.8	56.8	11.5	3,665	9	33,865
Augusta	A9967	3000GT	117	25.9	31.9	36.2	8.1	39.8	63.14	0.78	35.7	57.2	11.3	3,629	15	32,939
Mid-Atlantic	MA8141	VT2PDG,B	114	25.5	32.2	38.5	8.1	43.6	61.84	0.82	31.1	53.3	7.8	3,657	12	32,639
Hubner	H13G513	VT2PDG,B	113	24.7	29.1	42.1	8.2	49.7	60.56	0.85	27.1	52.4	6.8	3,742	2	32,350
Chemgro	7309RSX	STX,B	113	24.8	33.3	38.9	8.4	44.4	61.55	0.83	30.9	52.6	8.0	3,675	8	31,942
Seedway	SW1579SS	STX,B	115	25.0	31.2	37.5	9.2	41.3	55.65	0.80	33.8	59.2	11.2	3,646	13	31,860
Augusta	A4463	VT2P	113	25.8	31.1	43.7	7.8	46.7	62.09	0.82	30.2	51.2	8.5	3,492	30	31,492
Chemgro	7119D4Z	5122,B	111	25.3	29.1	40.1	7.3	46.5	66.37	0.82	30.8	49.8	8.0	3,549	22	31,426
AgriGold	A645-80	3111	115	24.1	31.8	36.2	9.5	36.4	55.57	0.78	35.7	57.4	10.9	3,710	4	31,294
Chemgro	7789RSX	STX,B	117	24.1	30.6	36.5	9.2	38.4	59.00	0.80	35.0	57.4	11.3	3,710	5	31,294
Chemgro	7799D5Z	5222,B	117	24.9	31.4	34.2	8.7	37.4	59.06	0.78	36.2	54.4	12.4	3,577	20	31,215
AgriGold	A647-35	5222,B	117	24.0	32.1	34.4	9.0	38.3	57.64	0.79	35.1	58.1	10.7	3,699	6	31,072
Seedway	SW1781SS	STX,B	117	24.6	30.7	38.5	9.1	38.4	54.70	0.79	35.8	56.0	12.4	3,535	24	30,478
Mid-Atlantic	MA8158	STX,B	115	24.5	31.6	40.9	8.9	41.7	53.16	0.81	33.3	58.1	11.3	3,553	21	30,467
Hubner	H6755RCSS	STX,B	114	23.8	31.1	36.7	7.8	41.2	63.76	0.78	34.8	52.1	8.6	3,619	17	30,188
Local Seed	LC1688 SSXRIB	STX,B	116	23.8	32.1	36.0	9.3	36.1	57.57	0.77	37.3	57.7	12.3	3,595	18	29,946
Augusta	A3363	VT2PDG	113	24.3	29.3	39.6	8.0	43.5	65.03	0.82	32.2	51.9	8.8	3,521	25	29,946
Seedway	SW6760 GENSS RIB	STX,B	112	24.1	32.8	39.0	8.4	40.4	61.79	0.79	34.7	51.2	9.1	3,514	26	29,682
Local Seed	LC1407 VT2PRIB	VT2P,B	114	23.1	30.2	36.9	8.5	39.9	62.16	0.80	33.8	56.1	8.5	3,659	11	29,540
Augusta	A1165	VT2P	115	23.0	33.0	32.8	9.0	35.5	56.58	0.78	37.3	56.5	12.6	3,625	16	29,181
Mid-Atlantic	MA5165HD	3000GT	116	23.4	30.7	32.9	8.7	33.9	62.05	0.76	39.5	58.3	12.2	3,501	28	28,673
Dyna-Gro	D55VC80	VT2P	115	22.2	31.4	35.1	8.6	38.6	58.12	0.78	36.5	59.1	12.1	3,662	10	28,454
Hubner	H6390RCSS	STX,B	108	22.8	29.6	41.3	7.9	45.3	63.13	0.82	31.1	52.6	7.9	3,545	23	28,330
Augusta	A5664	5222	114	22.7	29.7	36.1	7.9	38.6	69.50	0.79	35.5	55.2	8.3	3,494	29	27,801
Local Seed	LC1506 VT2PRIB	VT2P,B	115	21.2	29.7	35.3	9.2	38.9	57.16	0.80	35.0	56.2	12.0	3,632	14	26,907
Seed Consultants	SCS 1158AM	AM,B	115	20.8	29.7	34.6	9.3	34.3	58.99	0.78	38.0	58.0	11.7	3,582	19	26,035
Pioneer	P0339AM	AM,B	103	19.7	28.9	41.4	8.2	45.1	63.72	0.82	31.2	51.4	7.8	3,505	27	24,167
Average =				23.8	30.8	37.8	8.4	39.6	60.1	0.80	35.1	55.4	10.4	3,553		30,501
LSD(0.10) =				1.6												
LSD(0.25) =				0.9												
C.V. =				6.5												

Robin Kauffman

Rob Kauffman

rkmaits@aol.com, (717) 413-0763

† See last page for Product/Brand, Technology and Type information. †† Milk/ton: calculated from Rock River data using Milk2006 Traditional 48 hour. *Traditional Goering & Van Soest, Cornell University Method. Bold values significantly better than test average. ns = not significant

TEST COMMENTS:

Planting conditions were next to perfect. Stands were very consistent. Emergence was good, and corn took off running. Rainfall was always there when needed, so the corn was barely stressed through some very hot summer days. Some gray leaf spot was present, but in most hybrids, it did not spread above ear leaf. The overall rating of the plot is a 9 out of 10. (10=best)

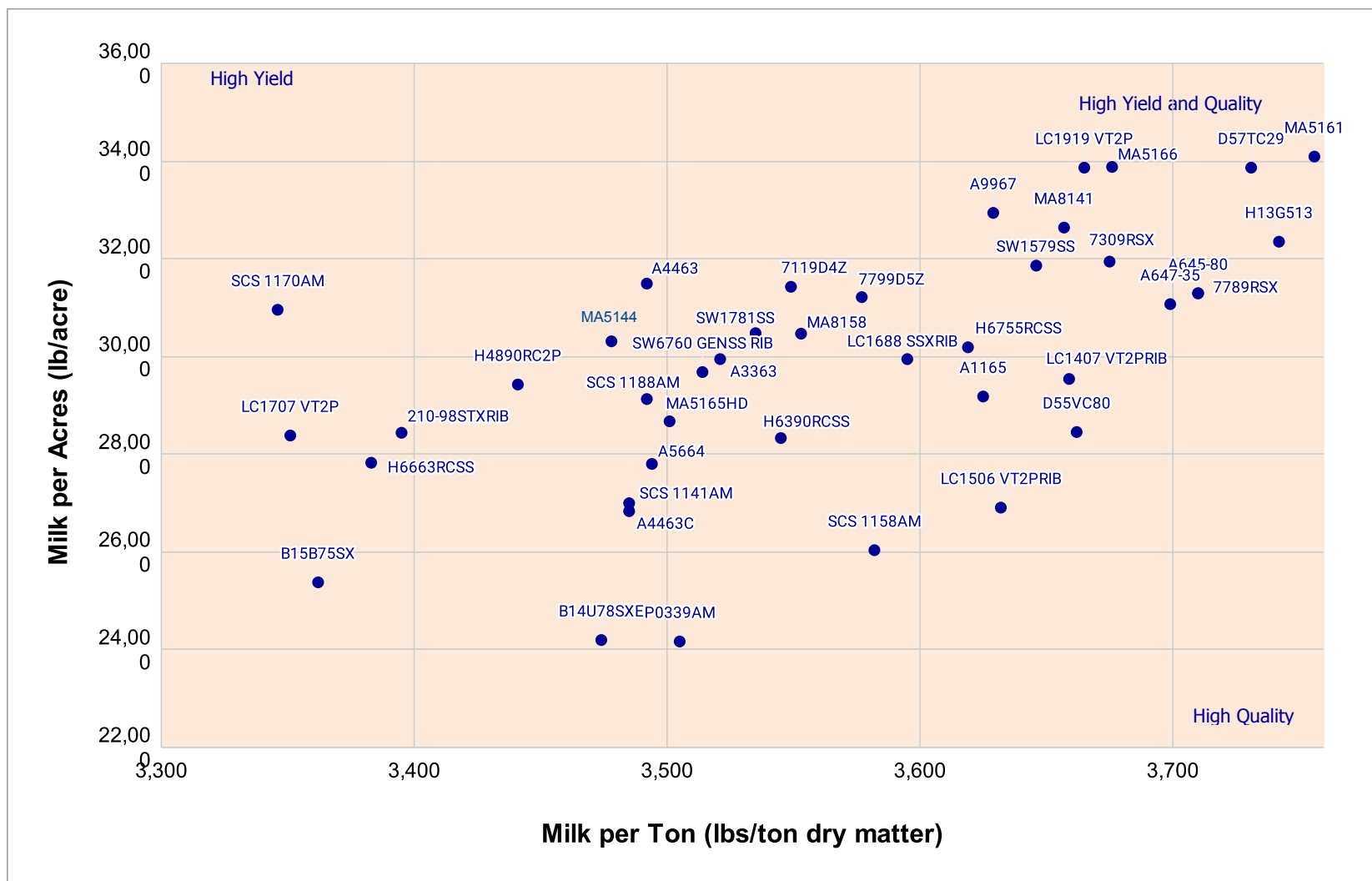
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Report Date: 9/22/2021

Revised:

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Yield vs Quality Graph

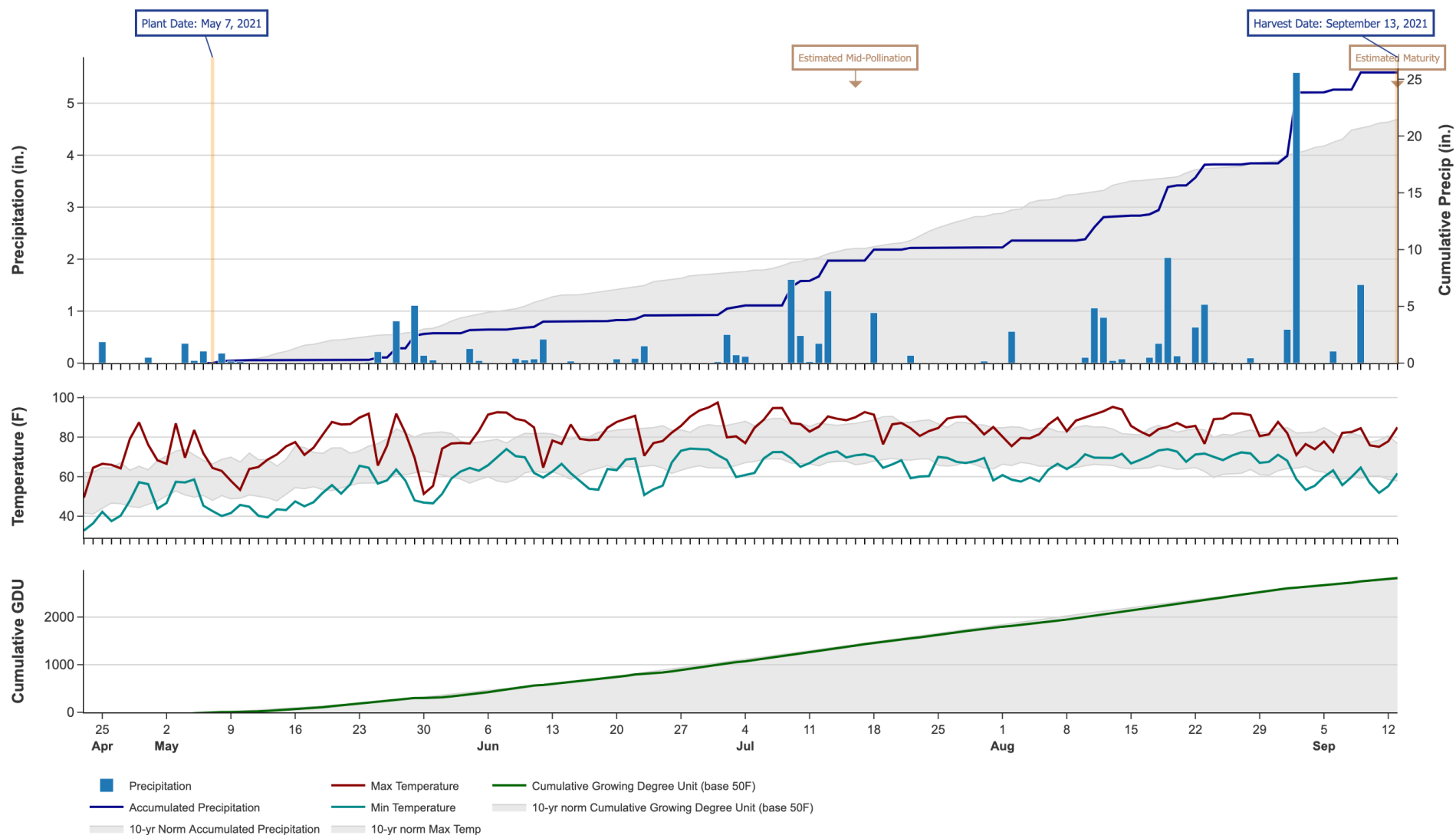


2021 Corn Silage - Pennsylvania Southeast [PASE]

Weather Conditions Summary at MOUNT JOY, PA

Weather Data Retrieved: 09/22/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep*	Total
Precip (in) Normal (Diff)	0.5 1.2 (-0.7)	3.3 4.5 (-1.2)	1.6 4.7 (-3.2)	6.0 5.3 (+0.7)	7.4 4.7 (+2.7)	8.0 3.7 (+4.3)	26.8 24.1 (+2.6)
GDU Normal (Diff)	83 56 (+26)	395 422 (-27)	677 655 (+21)	797 819 (-22)	799 738 (+60)	240 273 (-33)	2991 2965 (+25)



* 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 (42 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
AgriGold	A645-80 GC	3111	N	115	NA
AgriGold	A647-35 GC	5222,B	Y	117	NA
Augusta	A1165	VT2P	N	115	CM,C2
Augusta	A3363	VT2PDG	N	113	CM,C2
Augusta	A4463	VT2P	N	113	CM,C2
Augusta	A4463C	CONV	N	113	CM,C2
Augusta	A5664	5222	N	114	CM,C2
Augusta	A9967	3000GT	N*	117	CM,C2
Brevant	B14U78SX GC	STX,E	N*	114	NA
Brevant	B15B75SX GC	STX	N*	115	NA
Channel	210-98STXRIB GC	STX,B	Y	112	NA
Chemgro	7119D4Z	5122,B	Y	111	CM,C2
Chemgro	7309RSX	STX,B	Y	113	AC,P2
Chemgro	7789RSX	STX,B	Y	117	AC,P5
Chemgro	7799D5Z	5222,B	Y	117	CM,C2
Dyna-Gro	D55VC80	VT2P	N	115	AC,P5
Dyna-Gro	D57TC29	TRE	N	117	AC,P5
Hubner	H13G513	VT2PDG,B	Y	113	P500
Hubner	H4890RC2P	VT2P,B	Y	117	P250
Hubner	H6225RCSS GC	STX	Y	102	AC,P5V
Hubner	H6390RCSS	STX,B	Y	108	AC,P5V
Hubner	H6663RCSS	STX,B	Y	113	AC,P5V
Hubner	H6755RCSS	STX,B	Y	114	AC,P5V
Local Seed	LC1407 VT2PRIB	VT2P,B	Y	114	RP
Local Seed	LC1506 VT2PRIB	VT2P,B	Y	115	RP
Local Seed	LC1688 SSXRIB	STX,B	Y	116	RP
Local Seed	LC1707 VT2P	VT2P,B	Y	117	RP
Local Seed	LC1919 VT2P	VT2P,B	Y	119	RP
Mid-Atlantic	MA5161	5122,B	Y	116	CM,C2
Mid-Atlantic	MA5165HD	3000GT	N*	116	CM,C2
Mid-Atlantic	MA5166	3111	N	116	CM,C2
Mid-Atlantic	MA5144	5122,B	Y	114	CM,C2
Mid-Atlantic	MA8141	VT2PDG,B	N*	114	AC,P2
Mid-Atlantic	MA8158	STX,B	Y	115	AC,P2
Pioneer	P0339AM GC	AM,B	Y	103	NA
Seed Consultants	SCS 1141AM	AM,B	Y	114	AC,P5V

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Seed Consultants	SCS 1158AM	AM,B	Y	115	AC,P5V
Seed Consultants	SCS 1170AM	AM,B	Y	117	AC,P5V
Seed Consultants	SCS 1188AM	AM,B	Y	118	AC,P5V
Seedway	SW1579SS	STX,B	Y	115	AC,P5
Seedway	SW1781SS	STX,B	Y	117	AC,P5
Seedway	SW6760 GENSS RIB	STX,B	Y	112	AC,P5

* 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

GC	Grower Comparison product included by FIRST when space permits.
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Corn Silage Technologies

3000GT	Agrisure® 3000GT
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)
5222	Agrisure® Duracade® 5222
CONV	Conventional
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

Corn Silage Seed Treatments*

NA	Not Available
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5V	Acceleron® Poncho 500/Votivo
CM,C2	CruiserMaxx® 250
P250	Poncho 250
P500	Poncho 500
RP	Radius 500 (Local Seed Co)

* Seed treatments may include unspecified plant health promoting components.