

Penn State/PDMP Corn Silage Hybrid Testing Program 2018



Early maturity (85-103 day RM) silage hybrids in Canton PA

Bradford County location

Notes: SEE BACKGROUND TAB

Cooperator: Jeff Morse

Brand	Hybrid	Traits*	Dry Matter					Yield		Starch			NDFD			uNDF	Pop. plants/ac	Relative Maturity
			%**	Tons/Acre***	CP %	NDF %	Lignin %	NIR %	IVSD ² %	Ash %	Fat ³ %	NEL Mcal/lb	30hr %NDF	120hr %NDF	240hr %NDF	240hr %NDF		
Very Early (85-94 day) RM Silage Hybrids																		
Local Seed Co.	LC9287 SXRIB	32	47.0	18.1	6.8	37.0	2.8	41.9	58.0	2.9	3.0	0.77	56.5	66.5	69.5	30.5	33,000	92
Augusta	Augusta 2843	3	45.2	18.2	7.9	37.5	2.6	37.4	59.2	3.1	2.9	0.77	59.0	66.8	69.6	30.4	30,000	93
Masters Choice	MCT 3891	1	44.6	15.9	7.5	40.7	3.2	35.3	54.8	3.3	2.9	0.75	53.6	62.4	65.2	34.8	33,333	88
Hubner	H4062RC2P	30	43.2	17.7	7.3	41.0	3.4	34.1	60.2	3.3	2.8	0.74	53.0	62.2	64.9	35.1	33,500	86
Channel	192-98STXRIB	30	40.6	17.8	7.9	36.1	2.9	40.7	56.8	3.2	2.9	0.77	55.6	65.7	68.5	31.5	33,667	92
Doebler's PA Hybrids	2519AM	20	40.5	15.6	7.9	40.1	3.2	29.8	60.3	2.9	2.6	0.75	53.6	61.1	63.7	36.3	34,000	85
Seedway	SW3600	32	38.2	19.1	7.6	38.9	3.0	35.0	59.1	3.1	2.9	0.76	56.6	65.7	68.5	31.5	32,333	92
Hubner	H6157RCSS	32	37.9	18.5	7.3	39.8	3.2	34.5	58.0	3.0	2.6	0.75	53.1	62.5	65.1	34.9	33,500	94
Dupont Pioneer	P9377AMXT	26	37.3	17.8	8.2	38.6	3.2	33.5	58.9	3.3	2.8	0.76	53.5	62.3	64.9	35.1	32,833	93
85-94 day means			41.6	17.6	7.6	38.8	3.1	35.8	58.4	3.1	2.8	0.76	54.9	63.9	66.7	33.3	32,907	

Early (95-103 day) RM Silage Hybrids																		
Dekalb	DKC50-09RIB	30	43.6	19.6	7.0	37.2	3.0	40.5	62.0	2.7	2.8	0.77	55.1	65.0	67.8	32.2	32,833	100
Masters Choice	MCT 4632	4	42.9	19.3	7.5	35.0	2.6	40.9	58.3	3.5	2.7	0.77	57.4	68.6	71.5	28.5	33,500	96
Chemgro	Chemgro 5776V2	4	42.8	17.6	7.7	35.4	2.6	40.5	58.6	2.9	2.9	0.78	57.7	66.6	69.4	30.6	31,382	97
Doebler's PA Hybrids	3916GRQ	3	42.6	17.6	7.2	38.1	3.1	38.0	62.5	2.9	2.7	0.76	53.6	62.8	65.5	34.5	32,833	99
Prairie Hybrids	418	Conv.	41.7	13.5	7.0	38.4	2.7	36.8	60.5	2.7	2.9	0.77	58.6	67.9	70.7	29.3	34,000	97
Masters Choice	MCT 4572	4	41.5	19.2	7.8	35.9	3.0	39.2	55.7	3.3	3.1	0.77	54.0	61.8	64.5	35.5	32,667	95
Mycogen	TMF2Q419	34	40.5	21.9	7.7	37.3	3.0	36.9	57.8	3.0	3.1	0.77	55.8	64.3	67.0	33.0	34,000	96
Hubner	H6219RCSS	32	40.4	19.9	7.2	34.9	2.8	40.1	59.4	2.7	3.0	0.78	57.6	65.4	68.2	31.8	33,333	99
Doebler's PA Hybrids	3618AMXT	26	40.2	20.1	7.6	35.8	2.7	37.5	60.3	2.8	3.0	0.78	57.8	66.5	69.4	30.6	34,000	96
Hubner	H6124RCSS	32	40.1	16.7	6.9	38.6	3.1	37.0	64.0	3.3	2.5	0.75	53.6	64.4	67.2	32.8	34,000	96
Local Seed Co.	LC9888 VT2PRIB	30	40.1	21.8	7.8	38.5	3.3	35.2	55.6	3.2	2.9	0.75	52.6	60.8	63.4	36.6	33,500	98
Channel	202-81STXRIB	32	40.0	20.5	7.0	36.6	2.8	39.2	56.8	2.8	3.0	0.78	57.1	66.9	69.8	30.2	32,667	102
Dekalb	DKC51-40RIB	30	39.9	17.9	7.1	37.8	3.0	37.1	57.7	3.1	2.9	0.76	55.9	65.4	68.2	31.8	33,333	101
Augusta	Augusta 2448	8	39.8	18.1	7.2	37.7	3.1	36.9	57.4	3.0	2.9	0.76	52.1	62.0	64.7	35.3	34,000	98
Agrigold	A625-78VT2PRO	30	39.1	17.4	6.6	43.1	3.7	33.1	60.2	3.4	2.5	0.72	49.8	62.0	64.7	35.3	34,000	95
Channel	197-90STXRIB	32	38.6	21.2	8.2	36.5	2.9	36.6	56.8	2.7	2.9	0.78	57.3	64.2	66.9	33.1	33,500	97
Masters Choice	MCT 4934	5	37.8	19.0	7.6	37.8	3.1	35.1	60.4	3.0	2.8	0.76	51.9	60.9	63.5	36.5	33,333	99
Hubner	H6225RCSS	32	37.6	21.5	7.1	37.2	3.0	38.0	58.9	2.9	2.9	0.77	54.9	64.1	66.9	33.1	34,000	102
Channel	203-01STXRIB	32	37.4	19.7	6.8	34.6	2.4	39.4	65.2	2.7	3.1	0.80	59.3	68.6	71.6	28.4	33,333	103
Agrigold	A6355STXRIB	32	37.3	19.5	6.9	35.3	2.7	39.9	55.0	3.0	2.9	0.78	56.8	67.0	69.9	30.1	32,167	103
Dupont Pioneer	P0242AMXT	26	37.1	20.0	6.9	37.2	2.8	37.3	61.7	2.8	2.6	0.77	55.5	65.9	68.7	31.3	32,000	102
Masters Choice	MCT 5375	7	36.4	20.7	7.6	38.0	3.0	34.7	61.9	3.0	2.9	0.76	54.6	63.5	66.2	33.8	33,333	103
Dupont Pioneer	P9998AMXT	26	35.9	19.3	7.5	35.6	2.8	36.7	61.9	3.1	3.2	0.78	56.5	64.2	67.0	33.0	33,667	99
Agrigold	A6267STXRIB	32	35.9	18.2	6.9	44.4	3.5	28.5	61.7	3.3	2.5	0.73	53.2	63.2	65.9	34.1	34,000	102
Doebler's PA Hybrids	4018AMXT	26	35.6	20.6	7.5	35.8	2.6	37.6	55.7	3.2	3.0	0.78	59.3	69.1	72.0	28.0	33,882	100
Doebler's PA Hybrids	4115AMXT	26	35.3	20.3	7.1	38.7	2.9	33.9	60.5	3.0	2.5	0.76	55.3	66.1	68.9	31.1	32,000	101
Mycogen	TMF03Q57RA	34	35.3	19.6	6.9	43.3	3.5	31.2	58.7	3.0	2.8	0.73	53.3	63.7	66.4	33.6	32,667	103
Doebler's PA Hybrids	4219AM	20	34.8	21.6	7.2	35.2	2.7	39.9	60.5	2.7	2.8	0.78	56.1	66.8	69.7	30.3	32,667	102
Doebler's PA Hybrids	4318AMXT	26	32.8	21.7	7.6	38.4	3.1	34.3	57.3	3.2	2.6	0.75	53.4	63.2	65.9	34.1	33,667	103
95-103 day means			38.7	19.4	7.3	37.5	2.9	37.0	59.4	3.0	2.8	0.77	55.4	64.9	67.6	32.4	33,250	
Overall Mean			39.4	19.0	7.4	37.8	3.0	36.7	59.2	3.0	2.8	0.76	55.3	64.6	67.4	32.6	33,169	
LSD(0.1)			3.8	2.0	0.4	4.6	0.4	6.2	3.1	0.6	0.4	0.03	3.5	3.1	3.2	3.2	1,370	
CV%			7.07	7.76	3.7	8.92	10.17	12.49	3.81	13.5	9.2	3.16	4.59	3.51	3.51	7.25	3.04	

* See tab " Trait Key" for individual trait designation.

**Tables are sorted by dry matter. Avoid making comparisons with hybrids that differ significantly in dry matter.

*** Silage yields are expressed on a 35 percent DM basis; all other parameters are expressed on a dry matter basis. CP=crude protein, NDF= neutral detergent fiber,

NEL=net energy for lactation, and NDFD=neutral detergent fiber digestibility.

¹ - NS = Not Significant, ²-IVSD = In Vitro Starch Digestibility 4 hr incubation, 1 mm grind as a % of Starch, ³- Fat = Total Fatty Acids

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