

Penn State/PDMP Corn Silage Hybrid Testing Program 2018
Medium-Late maturity (110-119) day RM silage hybrids in Bainbridge PA
Lancaster County location



Notes: SEE BACKGROUND TAB
 Cooperator: Meadow Vista Dairy

Brand	Hybrid	Traits*	Dry Matter		Yield		CP	NDF	Lignin	Starch	Ash	Fat ²	NEL	NDFD			uNDF	Pop.	Relative
			%**	Tons/Acre***	%	%								30hr	120hr	240hr			
Medium-late (110-115) RM Silage Hybrids														%NDF	%NDF	%NDF	%NDF	plants/ac	Maturity
Augusta	Augusta 1064	Conv.	44.2	22.8	7.7	33.6	2.5	43.0	3.3	2.7	0.78	57.0	68.9	71.8	28.2	34,000	114		
Augusta	Augusta 1564	3	43.8	24.3	8.4	33.8	2.6	40.9	2.4	2.8	0.79	58.3	66.5	69.3	30.7	33,500	114		
Growmark FS	FS 65R87VT2P	30	43.4	22.6	8.1	28.3	2.4	46.8	2.4	3.4	0.83	57.2	64.7	67.5	32.5	33,890	115		
Prairie Hybrids	8759	Conv.	43.3	22.7	8.3	32.6	2.5	43.2	3.1	2.9	0.79	57.4	68.1	71.1	28.9	34,000	114		
Dekalb	DKC62-20RIB	30	42.8	19.9	7.6	33.3	2.7	41.9	2.8	3.2	0.79	56.5	65.9	68.7	31.3	34,000	112		
Syngenta	NK1452-3120	6	42.4	20.4	7.7	29.3	2.3	45.5	2.5	3.5	0.82	58.0	66.8	69.7	30.3	33,500	114		
Local Seed Co.	LS1497	Conv.	42.4	19.9	7.7	36.7	2.8	39.1	3.1	2.7	0.77	55.2	66.0	68.8	31.2	34,000	114		
Agrigold	A641-78STXRIB	32	42.1	21.7	8.3	34.9	3.0	39.2	3.0	3.3	0.78	54.6	63.0	65.7	34.3	34,000	111		
Mycogen	TMF2H747	32	41.8	21.2	7.5	37.7	3.1	39.1	3.1	2.8	0.76	53.6	65.1	67.8	32.2	32,167	113		
Prairie Hybrids	7387	Conv.	41.7	20.7	8.5	32.7	2.7	41.0	2.9	3.6	0.80	56.3	63.8	66.6	33.4	33,333	112		
Syngenta	NK1284-3220	8	41.5	17.1	7.3	41.2	3.3	34.1	3.5	2.7	0.75	52.7	64.2	66.9	33.1	33,667	112		
Growmark FS	FS 62R43VT2P	30	41.3	22.1	7.9	34.3	2.9	39.7	2.9	3.1	0.79	55.4	64.2	66.9	33.1	33,333	112		
Mid-Atlantic	MA8150	31	40.8	19.8	7.5	34.4	2.7	41.8	2.9	3.0	0.78	56.1	66.1	68.9	31.1	31,167	115		
Agrigold	A6573VT2RIB	30	40.5	22.7	8.5	29.0	2.3	44.1	2.8	3.6	0.82	59.6	67.6	70.5	29.5	34,000	114		
Seedway	SW7000	Conv.	39.7	18.7	7.3	39.4	2.9	35.4	3.3	2.7	0.76	56.0	67.1	70.0	30.0	31,333	114		
Masters Choice	MCT6363	3	39.6	20.9	7.8	33.6	2.8	41.3	2.6	3.2	0.79	54.9	63.3	66.0	34.0	32,833	113		
Doebler's PA Hybrids	5518AM	20	39.5	22.0	8.2	35.1	2.7	38.8	2.7	3.0	0.79	57.7	66.9	69.8	30.2	33,500	115		
CPS Dynagro	D52VC63	30	39.4	21.9	8.3	37.6	3.0	35.6	3.1	2.8	0.76	55.4	63.8	66.5	33.5	34,000	112		
Hubner	H6663RCSP	32	38.6	21.9	8.1	31.4	2.5	41.6	2.7	3.3	0.81	58.2	66.1	68.9	31.1	34,000	113		
Seedway	SW6999	3	38.6	20.7	7.9	35.6	2.5	39.1	2.9	3.1	0.79	60.1	69.1	72.0	28.0	33,167	114		
Dupont Pioneer	P1442AM	26	38.5	22.0	8.3	36.7	3.0	37.2	3.2	3.0	0.77	54.2	63.3	66.0	34.0	34,000	114		
Syngenta	NK1263-3220A	8	38.4	18.5	8.5	39.4	3.3	33.7	3.3	3.0	0.75	52.5	61.2	63.8	36.2	34,000	112		
Syngenta	NK1573-3110	4	38.1	19.5	8.1	34.1	2.7	39.8	3.2	3.0	0.79	57.4	67.1	70.0	30.0	33,000	115		
Augusta	Augusta 1165	30	38.0	23.2	8.0	35.6	2.9	37.5	2.7	3.4	0.79	56.5	63.7	66.5	33.5	33,000	115		
Augusta	Augusta 5065	5	37.9	20.7	8.7	35.8	2.7	35.1	3.0	2.7	0.77	58.8	66.4	69.2	30.8	30,667	115		
Masters Choice	MCT6552	4	37.9	21.8	8.1	28.8	2.6	41.5	2.7	3.0	0.82	57.3	67.7	70.6	29.4	34,000	115		
Augusta	Augusta 5663	3	37.6	21.3	8.4	36.4	2.9	35.3	3.3	3.0	0.77	55.9	64.1	66.9	33.1	33,333	113		
Growmark FS	FS 63R85SS	32	37.6	21.2	8.3	37.5	3.0	35.4	3.1	2.9	0.77	54.4	62.8	65.5	34.5	34,000	113		
Mid-Atlantic	MA8159	32	37.6	20.2	8.0	37.1	2.8	35.6	2.9	2.9	0.77	56.7	65.7	68.5	31.5	32,833	115		
Doebler's PA Hybrids	5018AM	20	37.6	21.4	7.6	38.1	2.7	35.2	3.2	2.5	0.76	57.7	68.8	71.8	28.2	34,000	110		
Mycogen	TMF14R77	32	37.3	21.6	8.1	35.8	2.7	37.0	3.1	2.8	0.78	57.3	67.0	69.9	30.1	33,500	114		
Dupont Pioneer	P1847AML	23	37.2	20.8	7.8	35.8	2.6	36.6	2.8	2.9	0.78	62.4	71.7	74.8	25.2	34,000	115		
Agrigold	A6652STXRIB	32	37.1	21.1	7.8	36.6	2.8	37.6	2.7	3.0	0.78	56.4	65.2	68.0	32.0	34,000	115		
Agrigold	A641-06STX	32	36.9	21.9	8.6	34.9	2.6	36.3	3.2	3.0	0.79	58.9	66.9	69.7	30.3	32,000	111		
Dekalb	DKC64-35RIB	30	36.9	19.2	8.2	35.4	2.9	36.6	3.0	3.2	0.78	54.8	62.1	64.8	35.2	32,167	114		
Local Seed Co.	LC1349 SSXRIB	32	36.7	19.6	8.3	38.2	3.1	32.8	3.1	3.2	0.77	53.9	61.4	64.1	35.9	31,973	113		
Dekalb	DKC62-53RIB	30	36.6	21.6	8.2	35.6	2.8	38.1	2.8	3.2	0.78	56.4	63.9	66.6	33.4	34,000	112		
Seedway	SW7560	32	36.2	19.9	8.1	37.9	3.2	33.6	3.2	3.0	0.76	53.4	60.3	63.0	37.1	32,500	115		
Dupont Pioneer	P1422AMXT	26	36.2	20.7	8.9	33.6	2.8	37.6	3.1	3.0	0.78	56.0	63.7	66.5	33.5	34,000	114		
Doebler's PA Hybrids	5818AM	20	35.2	18.9	7.7	43.7	3.7	29.5	3.6	2.7	0.72	50.4	61.6	64.2	35.8	34,000	115		
Hubner	H6755RCSS	32	35.2	20.5	7.5	37.1	3.0	37.2	3.2	2.9	0.77	53.8	64.3	67.1	32.9	33,000	114		
Hubner	H6624RCSS	32	34.3	21.1	8.0	38.9	3.1	33.5	3.3	2.8	0.76	54.4	64.1	66.8	33.2	34,000	112		
110-115 day means			39.1	21.0	8.0	35.4	2.8	38.2	3.0	3.0	0.78	56.2	65.2	68.0	32.0	33,318			
Late (116-119) RM Silage Hybrids																			
Dekalb	DKC67-44RIB	30	40.4	23.36	8.7	30.8	2.48	42.33	2.56	3.4	0.82	58.47	66.03	68.87	31.13	33,000	117		
Chemgro	Chemgro 7658G3	3	38.7	21.7	7.8	37.3	2.7	37.5	3.0	3.0	0.77	58.8	67.6	70.5	29.5	33,667	116		
Channel	219-77STXRIB	32	38.4	22.9	8.0	34.6	2.8	39.4	2.8	2.9	0.78	56.4	64.8	67.7	32.3	32,500	119		
Augusta	Augusta 1367	8	38.3	23.0	8.3	33.2	2.5	39.0	2.9	2.7	0.79	58.7	66.9	69.8	30.2	32,667	117		
Seedway	SW8009	4	37.7	21.1	7.8	34.6	2.6	37.8	2.9	2.9	0.78	59.2	66.4	69.3	30.7	33,167	117		
Mid-Atlantic	MA8163	32	37.1	20.7	8.4	37.5	3.1	36.0	3.1	3.0	0.77	53.7	62.5	65.1	34.9	33,500	116		
Syngenta	NK1808-3111	5	36.6	22.6	8.2	37.5	2.9	35.2	2.8	2.7	0.77	56.9	64.1	66.9	33.1	33,500	118		
Masters Choice	MCT6653	3	36.2	20.8	8.5	38.6	3.1	32.6	3.3	2.8	0.76	55.2	63.2	65.9	34.1	34,000	116		
Chemgro	Chemgro 7795V4Z	8	36.0	20.3	8.4	36.8	2.7	34.7	2.9	2.7	0.77	59.7	67.4	70.3	29.7	32,167	117		
Agrigold	A646-12STXRIB	32	35.6	20.1	8.6	37.5	3.2	33.7	3.3	3.3	0.76	52.4	61.8	64.4	35.6	34,000	116		
Dekalb	DKC66-40RIB	32	35.0	20.6	7.7	36.6	2.9	35.7	2.8	3.0	0.78	54.8	62.9	65.6	34.4	33,500	116		
Augusta	Augusta 5566	5	34.8	23.0	8.6	35.9	2.7	35.3	2.8	2.8	0.78	58.6	64.3	67.0	33.0	33,500	116		
Augusta	Augusta 7768	4	34.8	22.0	8.3	35.3	2.9	36.0	3.0	2.6	0.77	54.3	62.5	65.1	34.9	30,500	118		
Chemgro	Chemgro 7789RSX	32	34.6	21.3	8.2	37.8	2.9	35.1	3.0	2.9	0.77	56.5	64.4	67.1	32.9	33,667	117		
Mycogen	TMF16S87	32	31.0	19.6	8.6	38.0	2.9	32.3	3.4	2.7	0.76	54.9	63.4	66.1	33.9	32,667	116		
116-119 day means			36.3	21.5	8.3	36.1	2.8	36.2	3.0	2.9	0.7753	56.6	64.5	67.3	32.7	33,067			
Overall Mean			38.4	21.1	8.1	35.6	2.8	37.7	3.0	3.0	0.78	56.3	65.1	67.9	32.2	33,252			
LSD(0.1)			5.0	2.9	0.6	6.0	0.5	8.1	0.5	0.4	0.04	3.7	3.2	3.3	3.3	1,480			
CV%			9.7	10.2	5.4	12.4	13.5	15.9	12.8	10.1	3.74	4.8	3.6	3.6	7.6	3			

* 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 - Fat = Total Fatty Acids

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