

**Penn State/PDMP Corn Silage Hybrid Testing Program 2018**  
**Medium-Late maturity (110-119 day RM) silage hybrids in south central PA**



**Juniata County location**

Notes: SEE BACKGROUND TAB

Cooperator: Zugstead Farms

Brand	Hybrid	Traits*	Dry Matter										NDFD			uNDF	Pop. plants/ac	Relative Maturity
			%**	Tons/Acre***	CP %	NDF %	Lignin %	Starch %	Ash %	Fat <sup>2</sup> %	NEL Mcal/lb	30hr %NDF	120hr %NDF	240hr %NDF	240hr %NDF			
<b>Medium-late (110-115 day) RM Silage Hybrids</b>																		
Syngenta	NK1263-3220A	8	42.2	18.7	7.6	34.6	2.9	40.0	2.9	3.1	0.79	54.7	62.6	65.2	34.8	33,000	112	
Dekalb	DKC62-20RIB	30	41.6	19.9	7.3	33.3	2.7	41.7	2.8	3.1	0.79	55.8	64.4	67.2	32.8	34,000	112	
Syngenta	NK1452-3120	6	41.3	20.2	6.9	32.4	2.4	42.3	2.5	3.1	0.80	57.5	66.7	69.5	30.5	34,000	114	
Growmark FS	FS 65R87VT2P	30	41.0	19.6	7.6	32.6	2.7	42.5	2.6	3.3	0.80	56.9	64.0	66.9	33.1	31,500	115	
Agrigold	A641-78STXRIB	32	40.7	20.6	7.5	36.9	3.1	37.3	3.1	2.9	0.77	54.2	64.1	67.0	33.0	34,000	111	
Prairie Hybrids	7387	Conv.	40.1	17.4	8.6	34.6	2.4	36.6	2.9	2.9	0.79	61.0	67.5	70.3	29.7	33,167	112	
Hubner	H6755RCSS	32	39.8	20.7	7.3	35.7	2.6	38.1	2.7	3.2	0.79	59.7	68.1	71.0	29.0	34,000	114	
Growmark FS	FS 63R85SS	32	39.6	20.5	8.0	35.7	3.0	37.8	2.8	3.2	0.78	55.1	62.3	65.1	34.9	33,500	113	
Agrigold	A6652STXRIB	32	39.6	20.7	7.2	35.0	2.5	40.0	2.6	3.0	0.79	58.8	68.6	71.5	28.5	32,667	115	
Prairie Hybrids	8759	Conv.	39.5	19.2	7.2	40.4	2.9	33.8	3.2	2.5	0.75	57.2	67.7	70.6	29.4	32,667	114	
Doebler's PA Hybrids	5018AM	20	39.4	19.0	7.2	34.3	2.5	39.6	2.7	2.9	0.79	59.6	69.8	72.8	27.2	34,000	110	
Seedway	SW7000	Conv.	39.2	17.6	7.5	35.5	2.6	38.7	2.9	2.8	0.78	58.9	67.3	70.1	29.9	30,082	114	
Growmark FS	FS 62R43VT2P	30	39.1	19.7	7.4	37.2	3.0	36.3	2.7	2.9	0.78	55.5	63.6	66.3	33.7	32,333	112	
Augusta	Augusta 1564	3	39.0	19.8	7.7	38.2	2.8	34.4	2.6	2.7	0.77	57.9	66.7	69.5	30.5	33,333	114	
Masters Choice	MCT6552	4	39.0	21.1	7.3	31.8	2.6	42.6	3.0	2.9	0.79	56.2	65.3	68.1	31.9	32,167	115	
Seedway	SW7560	32	38.9	18.7	7.6	36.5	3.0	36.3	2.8	3.2	0.78	55.7	63.5	66.6	33.4	33,500	115	
Dupont Pioneer	P1442AM	26	38.7	19.1	8.1	35.5	2.8	37.0	3.0	3.2	0.78	57.3	65.9	68.7	31.3	33,333	114	
Dupont Pioneer	P1422AMXT	26	38.5	20.4	7.9	35.8	2.9	36.8	3.2	3.0	0.78	56.7	65.4	68.2	31.8	32,500	114	
CPS Dynagro	D52VC63	30	38.5	18.4	7.5	40.0	3.0	34.1	2.8	2.9	0.76	56.4	64.0	67.3	32.7	33,500	112	
Mid-Atlantic	MA8159	32	38.3	20.5	7.9	36.7	2.9	36.2	2.7	3.0	0.78	56.0	64.6	67.4	32.6	34,000	115	
Doebler's PA Hybrids	5818AM	20	38.1	18.3	8.3	34.2	2.7	37.3	3.0	3.3	0.79	56.6	64.3	67.1	32.9	33,667	115	
Hubner	H6624RCSS	32	37.7	21.3	8.0	33.5	2.5	39.9	2.9	3.1	0.79	58.4	66.8	69.7	30.3	34,000	112	
Syngenta	NK1573-3110	4	37.6	20.2	7.6	33.3	2.7	40.2	2.8	3.1	0.79	56.2	64.7	67.8	32.2	34,000	115	
Doebler's PA Hybrids	5518AM	20	37.0	18.6	7.6	36.9	2.7	35.9	2.8	2.9	0.78	57.6	66.0	68.8	31.2	30,833	115	
Dekalb	DKC62-53RIB	30	37.0	15.3	7.6	36.9	2.8	36.3	3.0	3.3	0.78	58.7	66.7	69.6	30.4	33,167	112	
Seedway	SW6999	3	36.9	19.7	7.5	39.5	2.8	33.2	3.0	2.7	0.76	58.7	67.4	70.3	29.7	32,167	114	
Masters Choice	MCT6363	3	36.7	17.8	7.7	36.2	2.8	34.4	3.0	2.9	0.78	56.8	65.5	68.3	31.7	31,333	113	
Dekalb	DKC64-35RIB	30	36.7	16.5	7.5	41.5	3.3	31.7	3.2	2.7	0.74	54.4	63.2	65.9	34.1	31,500	114	
Local Seed Co.	LC1349 SSSXRIB	32	36.4	17.3	7.6	39.9	3.1	32.7	3.0	2.8	0.76	54.7	63.5	66.2	33.8	31,833	113	
Hubner	H6663RCSP	32	36.4	21.7	7.5	35.1	2.8	38.7	3.0	3.2	0.78	56.3	65.2	68.0	32.0	34,000	113	
Augusta	Augusta 5663	3	36.3	17.8	8.3	37.7	2.9	33.8	3.2	3.1	0.77	56.8	64.0	66.7	33.3	29,973	113	
Agrigold	A641-06STX	32	36.3	20.2	8.1	35.9	2.6	36.1	3.0	3.2	0.79	59.5	67.8	70.7	29.3	31,667	111	
Agrigold	A6573VT2RIB	30	36.2	15.8	7.7	39.3	2.8	31.0	3.2	2.6	0.76	57.0	65.8	68.6	31.4	33,500	114	
Augusta	Augusta 5065	5	35.7	17.7	8.2	37.5	2.8	31.8	3.1	2.8	0.77	58.4	66.1	69.0	31.0	30,333	115	
Dupont Pioneer	P1847AML	23	35.7	18.7	8.0	37.9	2.7	33.8	2.9	2.7	0.77	59.7	68.5	71.4	28.6	33,000	115	
Mid-Atlantic	MA8150	31	35.1	16.5	7.6	39.4	2.8	32.9	3.2	2.6	0.76	57.3	66.1	68.9	31.1	29,667	115	
Augusta	Augusta 1165	30	34.9	18.4	7.6	41.8	3.1	29.3	3.1	2.7	0.75	57.3	65.3	68.1	31.9	32,790	115	
Syngenta	NK1284-3220	8	34.6	14.3	7.0	46.5	3.5	25.0	3.8	2.2	0.71	55.4	65.3	68.1	31.9	34,000	112	
Augusta	Augusta 1064	Conv.	34.5	17.0	7.6	38.7	2.8	33.1	3.2	2.5	0.76	56.9	66.3	69.2	30.8	29,833	114	
Mycogen	TMF2H747	32	34.4	19.3	6.8	43.2	3.4	31.0	3.1	2.6	0.73	52.1	63.8	66.5	33.5	33,333	113	
Local Seed Co.	LS1497	Conv.	33.5	16.4	7.6	39.0	3.1	33.4	3.4	2.7	0.75	53.8	63.5	66.3	33.7	32,333	114	
Mycogen	TMF14R77	32	29.9	18.2	7.7	38.4	2.8	31.7	3.3	2.7	0.76	55.7	64.6	67.3	32.7	32,833	114	
			<b>110-115 Day Means</b>	<b>37.7</b>	<b>18.8</b>	<b>7.6</b>	<b>37.0</b>	<b>2.8</b>	<b>35.8</b>	<b>3.0</b>	<b>2.9</b>	<b>0.77</b>	<b>56.9</b>	<b>65.5</b>	<b>68.4</b>	<b>31.6</b>	<b>32,643</b>	
<b>Late (116-119 day) RM Silage Hybrids</b>																		
Dekalb	DKC67-44RIB	30	43.1	20.9	7.5	33.3	2.6	41.8	2.6	3.1	0.8	57.8	66.7	69.6	30.4	33,333	117	
Chemgro	Chemgro 7658G3	3	39.6	20.2	7.6	36.8	2.7	37.4	2.6	3.0	0.78	58.5	68.3	71.2	28.8	32,333	116	
Mid-Atlantic	MA8163	32	39.1	20.7	8.1	35.5	2.8	37.5	2.8	3.3	0.79	57.2	63.8	66.8	33.2	33,333	116	
Agrigold	A646-12STXRIB	32	37.0	19.5	7.6	36.9	3.1	35.9	2.9	2.9	0.77	54.6	62.9	65.6	34.4	33,167	116	
Chemgro	Chemgro 7789RSX	32	36.6	19.6	7.9	36.0	2.9	36.9	2.9	3.1	0.78	56.4	64.7	67.4	32.6	33,500	117	
Masters Choice	MCT6653	3	36.6	18.2	7.3	38.5	2.8	34.6	2.8	2.8	0.77	58.5	66.6	69.4	30.6	30,167	116	
Dekalb	DKC66-40RIB	32	36.3	20.7	7.9	34.2	2.8	38.7	2.7	3.3	0.79	56.0	64.1	66.9	33.1	33,167	116	
Augusta	Augusta 1367	8	35.4	17.0	8.2	38.4	2.7	30.7	2.9	2.6	0.76	60.1	66.4	69.3	30.7	33,333	117	
Channel	219-77STXRIB	32	34.4	20.9	8.0	35.8	2.9	35.1	3.1	2.9	0.77	55.3	63.8	66.7	33.3	32,667	119	
Seedway	SW8009	4	34.1	18.6	7.7	39.7	3.0	32.3	3.1	2.7	0.76	56.7	65.4	68.2	31.8	33,167	117	
Augusta	Augusta 5566	5	34.0	18.6	8.4	39.8	2.9	29.2	2.9	2.6	0.75	59.2	65.5	68.3	31.7	34,000	116	
Syngenta	NK1808-3111	5	33.4	18.9	8.1	39.6	3.0	30.3	3.1	2.6	0.75	56.9	64.3	67.0	33.0	34,000	118	
Chemgro	Chemgro 7795V4Z	8	32.8	14.5	8.4	41.1	2.8	26.3	3.1	2.4	0.75	60.7	67.2	70.1	29.9	33,167	117	
Augusta	Augusta 7768	4	32.4	20.5	8.4	36.1	2.9	33.7	3.1	3.2	0.78	55.5	61.7	64.6	35.4	31,833	118	
Mycogen	TMF16S87	32	29.8	18.7	7.8	39.7	3.2	30.3	3.3	2.6	0.75	52.1	61.7	64.3	35.7	32,167	116	
			<b>116-119 Day Means</b>	<b>35.6</b>	<b>19.2</b>	<b>7.9</b>	<b>37.4</b>	<b>2.9</b>	<b>34.1</b>	<b>2.9</b>	<b>2.9</b>	<b>0.77</b>	<b>57.0</b>	<b>64.9</b>	<b>67.7</b>	<b>32.3</b>	<b>32,889</b>	
			<b>Overall Mean</b>	<b>37.1</b>	<b>18.9</b>	<b>7.7</b>	<b>37.1</b>	<b>2.8</b>	<b>35.4</b>	<b>3.0</b>	<b>2.9</b>	<b>0.77</b>	<b>56.9</b>	<b>65.4</b>	<b>68.2</b>	<b>31.8</b>	<b>32,708</b>	
			<b>LSD(0.1)</b>	<b>3.9</b>	<b>2.4</b>	<b>0.5</b>	<b>4.9</b>	<b>0.4</b>	<b>6.5</b>	<b>0.4</b>	<b>0.3</b>	<b>0.03</b>	<b>3.4</b>	<b>3.4</b>	<b>3.5</b>	<b>3.5</b>	<b>1,591</b>	
			<b>CV%</b>	<b>7.8</b>	<b>9.5</b>	<b>4.8</b>	<b>9.7</b>	<b>10.8</b>	<b>13.5</b>	<b>11.0</b>	<b>8.7</b>	<b>3.04</b>	<b>4.4</b>	<b>3.8</b>	<b>3.8</b>	<b>8.1</b>	<b>3.6</b>	

\* 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.

<sup>1</sup> - NS = Not Significant, <sup>2</sup> - Fat = Total Fatty Acids

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