Corn Silage Performance

How does your silage compare?

NY & VT Corn Silage Evaluation Program

		Mean*	2017 % of mean		2018 % of mean		2019 % of mean		2020 % of mean		Your Numbers
Precipitation (in.)	May	3.33	155%		62%		142%		82%		_____
	June	4.09	136%		62%		99%		38%		_____
	July	4.04	136%		76%		75%		94%		_____
	August	3.86	80%		100%		84%		127%		_____
	September	3.43	59%		102%		91%		67%		_____
	May-August	15.31	126%		76%		98%		85%		_____
GDD (86/50)	May	310	80%		125%		70%		98%		_____
	June	480	97%		92%		91%		105%		_____
	July	640	91%		107%		103%		113%		_____
	August	587	92%		114%		94%		101%		_____
	September	399	109%		115%		90%		92%		_____
	May-August	2017	91%		108%		92%		105%		_____

		Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	Mean	Min/Max	
Corn Silage Performance Parameters	Yield, 35% DM, tons/acre	26.4	19.2 31.9	21.6	18.3 28.6	24.6	19.2 27.4	20.2	16.5 25.1	_____
	Dry Matter, %	32.3	30.8 35.2	35.1	32.9 38.2	32.8	28.6 35.4	34.4	30.6 36.6	_____
	Starch Content, % DM	34.3	31.2 38.1	35.6	31.0 39.2	36.1	30.7 39.3	38.4	34.7 41.7	_____
	aNDFom, % DM	39.9	37.2 42.6	36.4	34.2 39.0	36.7	35.5 38.0	35.3	32.5 37.7	_____
	30hr NDFD, % NDFom	54.4	50.6 59.1	58.4	55.2 62.0	59.4	55.5 61.6	58.9	55.4 61.1	_____
	120hr NDFD, % NDFom	64.0	59.4 69.8	68.4	66.0 70.0	66.7	62.2 71.1	68.0	65.6 71.9	_____
	240hr uNDFom, % DM	13.4	10.1 15.9	10.6	9.7 12.0	11.2	9.2 12.9	10.3	9.2 11.6	_____
	_____									_____
	_____									_____

** mean is the average of all host locations from 2005-2020*

Host Locations: Albion, Aurora, Madrid, Willsboro, NY and Alburgh, VT

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See Table 2 for individual location data

Table 2: Whole Plot Mean For Key Corn Silage Performance Indicators

Relative Maturity Group	Growing Season	Location	Yield, 35% DM tons/acre	Dry Matter %	Starch % DM	Crude Protein % DM	aNDFom % DM	30 hr NDFD % NDFom	120 hr NDFD %NDFom	240 hr uNDFom % DM
80-95 day RM	2020	**Albion, NY**	**19.3**	**36.6**	**41.7**	**8.0**	**32.5**	**60.2**	**68.9**	**9.2**
		Willsboro, NY	**16.5**	**30.6**	**34.7**	**7.4**	**37.7**	**60.4**	**71.9**	**9.5**
		Alburgh, VT	**19.8**	**32.4**	**37.8**	**8.3**	**35.9**	**56.0**	**65.6**	**11.4**
	2019	Albion, NY	26.0	31.9	35.1	7.4	36.5	59.1	66.3	11.3
		Willsboro, NY	19.2	32.6	36.9	6.9	35.8	60.5	67.6	10.6
		Alburgh, VT	23.4	33.7	36.5	7.3	37.8	61.6	67.6	11.2
	2018	Albion, NY	19.2	36.2	39.2	8.3	34.2	56.1	69.4	10.0
		Willsboro, NY	18.5	35.0	34.9	8.2	35.7	62.0	70.0	9.7
		Alburgh, VT	18.3	33.3	31.0	7.8	39.0	56.2	67.4	11.8
	2017	Albion, NY	25.2	30.8	32.3	8.3	37.2	59.1	69.8	10.1
		Willsboro, NY	19.2	31.3	38.1	7.7	39.5	56.3	66.8	12.1
		Alburgh, VT	27.5	31.8	34.4	7.5	38.9	53.2	62.7	13.4
96-110 day RM	2020	**Aurora, NY**	**17.1**	**36.0**	**38.2**	**7.5**	**36.0**	**61.1**	**68.3**	**10.4**
		Madrid, NY	**23.6**	**34.1**	**40.1**	**8.2**	**32.9**	**60.3**	**67.6**	**9.8**
		Alburgh, VT	**25.1**	**36.4**	**37.9**	**7.6**	**36.5**	**55.4**	**65.6**	**11.6**
	2019	Aurora, NY	27.1	34.7	38.3	6.5	36.9	55.5	62.2	12.9
		Madrid, NY	27.4	28.6	30.7	7.5	38.0	58.4	65.5	12.1
		Alburgh, VT	24.3	35.4	39.3	7.6	35.5	61.6	71.1	9.2
	2018	Aurora, NY	21.7	38.2	38.8	7.3	35.3	59.9	67.7	10.4
		Madrid, NY	28.6	32.9	35.4	7.7	35.9	61.2	69.9	9.8
		Alburgh, VT	23.3	34.9	34.2	7.2	38.3	55.2	66.0	12.0
	2017	Aurora, NY	26.0	31.9	31.2	6.1	42.6	54.5	63.8	14.4
		Madrid, NY	31.9	35.2	34.8	7.4	41.3	50.6	59.4	15.9
		Alburgh, VT	28.5	32.7	35.3	7.2	39.8	52.7	61.4	14.3