



Daniel Smiley Research Center
MOHONK PRESERVE
Mohonk Lake, New Paltz, NY 12561

Natural Science Note No. 617-09

Weather: October, 2009

From records of the Mohonk Lake Cooperative Weather Station
Established January, 1896

	113-year average 1896-2008	Actual This Year	Deviation from Average
Temperature (°F)	51.8	49.5	-2.3
Precipitation (in.)	3.90	5.14	+1.24
Snow (in.)	0.1	1.3	+1.2

Highest temperature: 72°F on the 22nd

Lowest temperature: 30°F on the 16th

Fog: 11 days (3rd, 9th, 10th, 15th, 16th, 24th, 27th-31st)

Thunder: 2 days (3rd, 7th)

Damaging Wind: 1 day (7th)

Misting: 2 days (9th, 16th)

Haze: 12 days (1st-3rd, 13th, 15th, 16th, 20th-23rd, 29th, 30th)

Hail:

Partial Solar Halo: 1 day (14th)

Sun Dog: 5 days (6th, 8th, 14th, 20th, 26th)

Iridescent Cloud: 1 day (22nd)

Precipitation pH: 4.73 (n=12)

Summary

Temperature for the month was 2.3°F below the 113 year average. Precipitation for the month was 5.14 in., 32% above normal. First frost was recorded on the 18th (31°F), 6 days earlier than the 110 year average. The 2009 growing season was 185 days, 6 days longer than the 110 year average. Frozen precipitation occurred on the 15th and 16th. These were the 8th and 9th largest snowfalls (largest October snowfall on record, 4.0 in. on 10/26/1958, see table on Page 2) in October and the 3rd and 4th earliest snowfalls on record (earliest snowfall was 10/4/1987).

Paul C. Huth, Director of Research
John E. Thompson, Natural Resources Specialist



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Date	Snow (in.)
10/26/195	
8	4.0
10/29/195	
2	2.3
10/4/1987	2.0
10/30/192	
5	1.7
10/19/197	
2	1.5
10/10/197	
9	1.0
10/26/196	
2	0.9
10/15/200	
9	0.7
10/16/200	
9	0.6
10/23/200	
3	0.5
10/28/195	
2	0.2
10/28/197	
9	0.1

MOHONK LAKE COOPERATIVE WEATHER STATION

Summary for September 2009

Compiled by the MOHONK PRESERVE, Mohonk Lake, New Paltz, NY 12561

	Months	113-year Average (1896-2008)	Actual this Year	Deviation from Average
Temperature (°F)				
Month		62.2	61.3	-0.9
Year	Jan-Sep	50.9	51.9	+1.0
Precipitation (in.)				
Month		4.34	2.04	-2.30
Year	Jan-Sep	36.25	48.04	+11.79

Highest temperature: 77°F on the 4th, 5th

Lowest temperature: 43°F on the 26th

This month last year:

Temperature 64.2°F

Precipitation 6.05 in.