



National Weather Service

Definitions for EXTREME COLD

WIND CHILL is what the temperature feels like based on both air temperature and wind speed

WIND CHILL ADVISORY: Dangerous wind chill readings **expected**

- Wind Chill reading 20 to 29 degrees below zero
 - In eastern New York: Herkimer, Hamilton, Warren, Fulton, Montgomery, Saratoga, Washington, Schenectady, Albany and Rensselaer counties
 - Southern Vermont

- Wind Chill readings 15 to 24 degrees below zero
 - In eastern New York: Greene, Columbia, Ulster and Dutchess counties
 - Berkshires
 - Litchfield County

WIND CHILL WATCH: Life-threatening wind chill readings **possible**

WIND CHILL WARNING: Life-threatening wind chill readings **expected**

- Wind Chill readings 30 degrees below zero or lower
 - In eastern New York: Herkimer, Hamilton, Warren, Fulton, Montgomery, Saratoga, Washington, Schenectady, Albany and Rensselaer counties
 - Southern Vermont

- Wind Chill readings 25 degrees below zero or lower
 - In eastern New York: Greene, Columbia, Ulster and Dutchess counties
 - Berkshires
 - Litchfield County



Wind Chill Chart



		Temperature (°F)																		
		Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
Wind (mph)	5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	-46	-52	-57	-63	-69
	10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	-53	-59	-66	-72	-78
	15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	-58	-64	-71	-77	-83
	20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	-61	-68	-74	-81	-87
	25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	-64	-71	-78	-84	-91
	30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	-67	-73	-80	-87	-94
	35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	-69	-76	-82	-89	-96
	40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	-71	-78	-84	-91	-98
	45	26	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58	-65	-72	-79	-86	-93	-100
	50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60	-67	-74	-81	-88	-95	-102
	55	25	18	11	4	-3	-11	-18	-25	-32	-39	-46	-54	-61	-68	-75	-82	-89	-97	-104
60	25	17	10	3	-4	-11	-19	-26	-33	-40	-48	-55	-62	-69	-76	-84	-91	-98	-105	

Frostbite Times: ■ 30 minutes ■ 10 minutes ■ 5 minutes

Wind Chill (°F) = 35.74 + 0.6215T - 35.75(V^{0.16}) + 0.4275T(V^{0.16})
 Where, T= Air Temperature (°F) V= Wind Speed (mph) Effective 11/01/01



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Definitions for EXTREME COLD

DRESSING FOR COLD WEATHER

adding layers will help keep you warm as the temperature drops

CHILLY

- 1-2 layers
- long layer
- outer layer to keep out wind, rain
- warm shoes water proof

COLD

- 2-3 layers
- gloves
- 1-2 layers
- warm hat
- outer layer to keep out wind, wet snow
- boots water proof

EXTREME COLD

- 3+ layers
- 1 insulating
- gloves
- 2+ layers
- warm hat
- face mask
- outer layer to keep out wind
- boots water proof

weather.gov/safety

DON'T FORGET YOUR PETS



Even with a natural fur coat, **winter can be deadly** for your pets unless proper care is given.



Keep them warm and dry, and indoors whenever possible.



Provide plenty of food and water. Dehydration is especially dangerous in winter.



When outside, keep them bundled up. Limit outside time, and thoroughly clean (including paws) when bringing them in



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