

Heat and Cold Index

Using the heat guidelines

The heat stress graph is designed to give a competition safety estimate in hot, humid conditions. It is most relevant for long distance running and prolonged high intensity events like soccer, football, lacrosse, and tennis. It should be applied to practices and games.

Using a weather radio or local radio station, collect the air temperature and relative humidity data every hour during the event and plot it on the relative humidity vs air temperature graph. In the late spring and summer months on bright sunny days a correction factor of up to 5 degrees Fahrenheit should be added to the air temperature from 10 AM to 5 PM. This should be plotted as a bar rather than a single point to give an estimate of maximum and minimum heat stress.

The decision to cancel or postpone an event should be made when the heat stress moves into the danger range. Although competition can be continued in the other ranges for increased heat stress risk, coaches and athletes should be aware that hypothermia and exertional heat stroke could occur in the lower risk ranges. A rest break should be provided in activities that require continuous activity.

NOAA's National Weather Service

Heat Index

Temperature (°F)

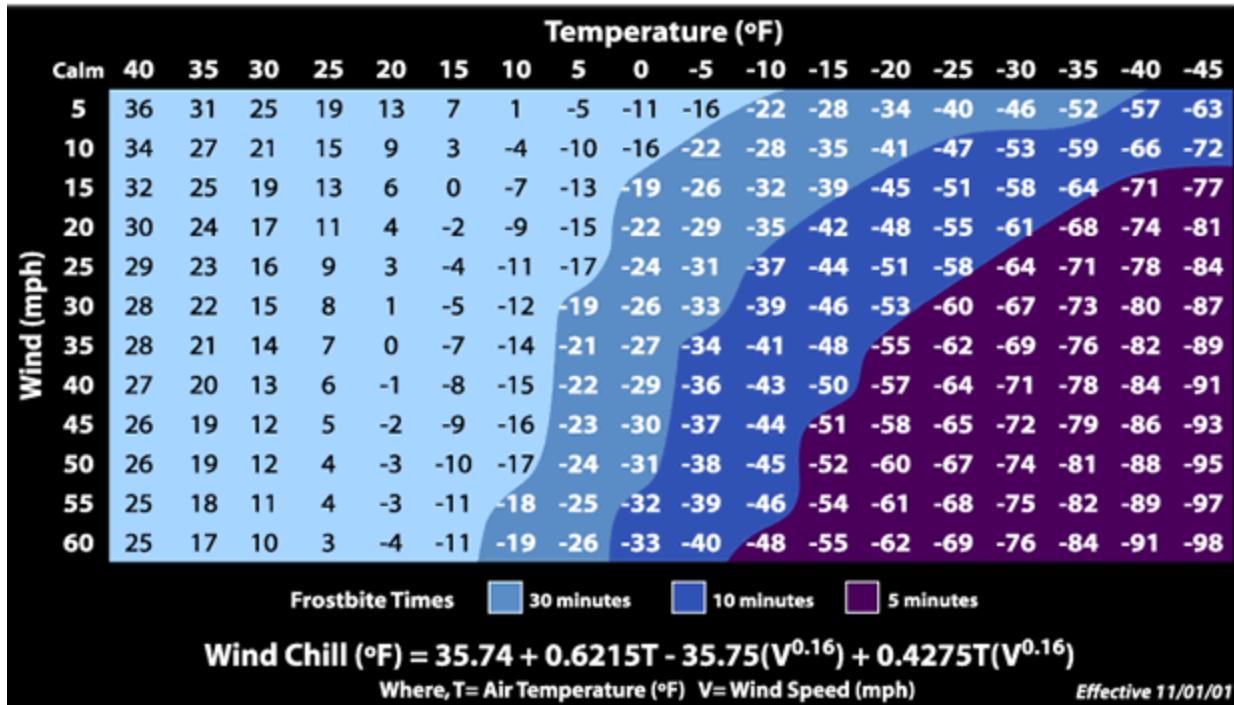
	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110
40	80	81	83	85	88	91	94	97	101	105	109	114	119	124	130	136
45	80	82	84	87	89	93	96	100	104	109	114	119	124	130	137	
50	81	83	85	88	91	95	99	103	108	113	118	124	131	137		
55	81	84	86	89	93	97	101	106	112	117	124	130	137			
60	82	84	88	91	95	100	105	110	116	123	129	137				
65	82	85	89	93	98	103	108	114	121	128	136					
70	83	86	90	95	100	105	112	119	126	134						
75	84	88	92	97	103	109	116	124	132							
80	84	89	94	100	106	113	121	129								
85	85	90	96	102	110	117	126	135								
90	86	91	98	105	113	122	131									
95	86	93	100	108	117	127										
100	87	95	103	112	121	132										

Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

- Caution
- Extreme Caution
- Danger
- Extreme Danger



NWS Windchill Chart



Cancel or postpone all Activity at -20 degree Fahrenheit or a Wind Chill at -40 Fahrenheit as directed above.