

# TAILGATE SAFETY

The FGI believes it is important to always put safety first.

Our **Tailgate Safety Program** is a safety training resource for

construction and other high hazard industries. Print out and conduct training right from your tailgate on the job site, or in a formal meeting at your office.



# Safety training for the job site & the office!

**Wet Bulb Heat Wave - 1/1/2026 - Annette DeHavilland of Ohio EPA**

## **Wet Bulb Heat Wave - Rare but deadly!**

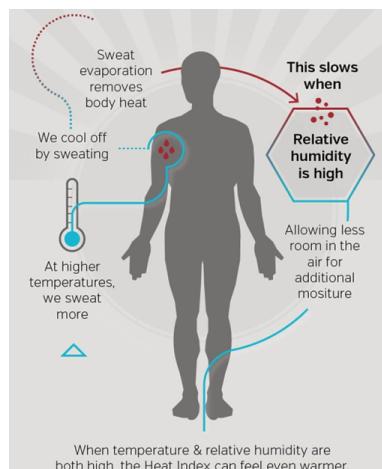
- Body evolved to keep cool by taking advantage of evaporative cooling
- During a wet bulb heat wave the air is saturated - no evaporation (and no cooling)
- Be on the lookout for heat stress, heat stroke, death

## **If no evaporation, then these won't work!**

- Shade
- Fan
- Sprinkler/pool

## What does work?

- Air conditioning
- Take a break!
- How often?
- How long?



Graphic from Kansas State University

Humidity in g/m<sup>3</sup>

	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
-20°C	0.11	0.22	0.32	0.43	0.54	0.65	0.75	0.86	0.97	1.08
-15°C	0.16	0.32	0.48	0.64	0.81	0.97	1.13	1.29	1.45	1.61
-10°C	0.24	0.47	0.71	0.95	1.18	1.42	1.65	1.89	2.13	2.36
-5°C	0.34	0.68	1.02	1.36	1.71	2.05	2.39	2.73	3.07	3.41
0°C	0.48	0.97	1.45	1.94	2.42	2.91	3.39	3.88	4.36	4.85
5°C	0.68	1.36	2.04	2.72	3.4	4.07	4.75	5.43	6.11	6.79
10°C	0.94	1.88	2.81	3.75	4.69	5.63	6.57	7.51	8.44	9.38
15°C	1.28	2.56	3.84	5.12	6.4	7.68	8.96	10.24	11.52	12.8
20°C	1.72	3.45	5.17	6.9	8.62	10.35	12.07	13.79	15.52	17.24
25°C	2.3	4.59	6.89	9.19	11.48	13.78	16.08	18.37	20.67	22.97
30°C	3.03	6.05	9.08	12.11	15.13	18.16	21.18	24.21	27.24	30.26
35°C	3.95	7.89	11.84	15.79	19.74	23.68	27.63	31.58	35.52	39.47
40°C	5.1	10.2	15.29	20.39	25.49	30.59	35.69	40.79	45.88	50.98
45°C	6.52	13.05	19.57	26.1	32.62	39.15	45.67	52.2	58.72	65.25
50°C	8.28	16.56	24.84	33.11	41.39	49.67	57.95	66.23	74.51	82.78

$$25C = 77F$$

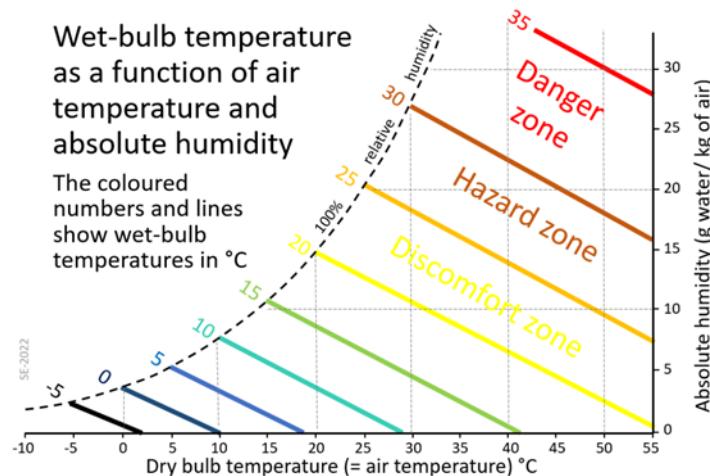
$$30C = 86F$$

$$37C = 98.6F$$

Absolute humidity  $\neq$  relative humidity

## Wet-bulb temperature as a function of air temperature and absolute humidity

The coloured numbers and line show wet-bulb temperatures in °C.



Graphic from Perryweather.com



**Safety tips are presented monthly by FGI members & industry experts**

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