

“Scientific Explanation of Wet Bulb Temperature”

WET BULB CONVERSION CHART

		°F Dry Bulb Temperature								
		100	95	90	85	80	75	70	65	60
H U M I D I T Y %	10	63	61	58	55	52	50	47	44	41
	20	69	66	63	60	56	53	50	47	43
	30	74	71	67	64	60	57	53	50	46
	40	79	75	71	68	64	60	56	52	48
	50	83	79	75	71	67	63	58	54	50
	60	87	83	78	74	70	66	61	57	52
	70	91	87	82	78	73	68	63	58	
	80	94	90	85	80	75	71	66		
	90	97	93	88	83	78	73			

°F Dry Bulb Temperature is
intersection of Dry Bulb & Humidity

What is Wet Bulb Temperature?

Wet Bulb Temperature is the temperature of a given volume of air would have if it were cooled 100% relative humidity, by the evaporation of water into it. The greater the difference between wet and dry bulb temperatures the dryer the air and lower the relative humidity.

Sensible Heat is the temperature of air at 0% humidity.

To obtain Wet Bulb: must know the sensible heat and humidity.

To obtain Humidity: must have a humidity tester.



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