TRACK YOUR CONDITIONS TO MANAGE HEAT STRESS

KEMIN

KemTRACE® CHROMIUM
Essential to you and your operation.

SWINE TEMPERATURE-HUMIDITY INDEX (THI)

TEMPERATURE (°F) \ HUMIDITY (%)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
105	80	82	83	84	86	87	89	90	91											
100	78	79	80	82	83	84	85	86	87	88	90	91								
99	78	79	80	81	82	83	84	86	87	88	88	90								
98	77	78	79	80	82	83	84	85	86	87	88	89	90							
97	77	78	79	80	81	82	83	84	85	86	87	88	90	91						
96	76	77	78	79	80	81	82	84	84	86	87	88	89	90	91					
95	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90					
94	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90				
93	75	76	77	78	79	80	80	81	82	83	84	85	87	87	88	89	90			
92	74	75	76	77	78	79	80	81	82	83	84	84	85	86	87	88	89	90		
91	74	75	76	76	77	78	79	80	81	82	83	84	85	86	86	87	88	89	90	91
90	73	74	75	76	77	78	79	79	80	81	82	83	84	85	86	87	87	88	89	90
89	73	74	74	75	76	77	78	79	80	80	81	82	83	84	85	86	86	87	88	89
88	72	73	74	75	76	76	77	78	79	80	81	81	82	83	84	85	85	86	87	88
87	72	73	73	74	75	76	77	77	78	79	80	81	81	82	83	84	85	85	86	87
86	71	72	73	74	74	75	76	77	78	78	79	80	81	81	82	83	84	84	85	86
85	71	72	72	73	74	75	75	76	77	78	78	79	80	81	81	82	83	84	84	85
84	70	71	72	72	73	74	75	75	76	77	78	78	79	80	80	81	82	83	83	84
83	70	71	71	72	73	73	74	75	75	76	77	78	78	79	80	80	81	82	82	83
82		70	71	71	72	73	73	74	75	75	76	77	77	78	79	79	80	81	81	82
81		70	70	71	71	72	73	73	74	75	75	76	77	77	78	78	79	80	80	81
80			70	70	71	72	72	73	73	74	74	75	76	76	77	78	78	79	79	80
79				70	70	71	72	72	73	73	74	74	75	75	76	77	77	78	78	79
78					70	70	71	71	72	72	73	74	74	75	75	76	76	77	78	78
77						70	70	71	71	72	72	73	73	74	74	75	75	76	76	77
76							70	70	70	71	72	72	72	73	74	74	74	75	76	76
75									70	70	71	71	72	72	73	73	74	74	75	75

HUMAN HEAT INDEX

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

EMERGENCY > 84 — **Severe stress — life threatening conditions.** Minimize handling stress, make water readily available and keep animals in good air circulation.

DANGER 79-83 — **Moderate to severe stress.** Temperature and humidity readings in this range are not only dangerous to confined livestock, but there is a need to adopt additional measures to avoid severe losses. Danger for people depending on age, exposure and activity.

ALERT 75-78 — **Mild to moderate stress.** Practice caution and heat abatement in this range, especially during handling, loading or before animals reach their destination. Caution for people depending on age, exposure and activity.

MILD 70-74

HOT TIPS TO ABATE HEAT:

WATER

Make drinking water available in multiple locations in every pen. Ensure water is clean, cool and palatable, which means cleaning waterers frequently and making sure pipes aren't exposed to the hot sun.

FANS & SPRINKLERS

Keep additional methods of cooling, such as fans and sprinklers, accessible for all pigs, especially when space is tight.

REDUCE PIG DENSITY

Reduce pig density by 5-10% during heat stress conditions.

kemin.com/swineheatstress

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