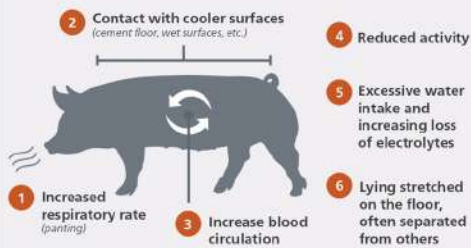
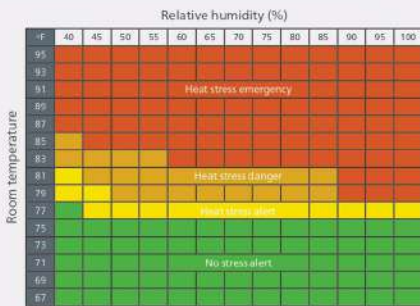


HEAT STRESS IN PIGS

SYMPTOMS OF HEAT STRESS



HEAT STRESS INDEX FOR GROW-FINISH PIGS



How do we solve heat stress in 3 steps?

1 Manage the environment

Water

Well-functioning water nipple

Adequate water supply with appropriate flow rate

Appropriate water consumption and flow rate for pigs in each class					
Pig weight, lbs.	<12 lbs.	12-30 lbs.	30-75 lbs.	75-150 lbs.	150-market
Nipple height (in.)	4 to 6	6 to 12	12 to 18	18 to 24	24 to 30
Pigs/nipple	10	10	10	12 to 15	12 to 15
Flow rate (gpm/min.)	2/3	1	1 1/2	2	3
Daily intake (qt)	0.2 to 0.5	2 to 4	4 to 6 (1-1 1/2 gal)	5 to 10 (1-1 1/2 gal)	6 to 18 (1 1/2-4 1/2 gal)

Air flow

Air speed (ft./min.)	Temperature adjustment (°F)
0	0
30	-7
90	-13
300	-18

Recommended ventilation rates, CFM per pig			
Pig weight, lbs.	Minimum	Mild weather	Hot Weather
30-75 lbs.	3	15	45
75-150 lbs.	7	24	75
150-280 lbs.	10	35	120

Space

Adequate space requirement

Body weight (lbs.)	Wean-50	50-75	75-125	125-Market
Minimum space required (ft ²)	3	3.65	5-6	8

2 Ensure feed quality and availability

Keep feed fresh

Increase nutrient density

Use fat and oil for extra energy

Eliminate out-of-feed events

3 Power your nutrition program

Supercharge your nutrition program with technologies that build immunity to help combat stress. A combination of organic acids, electrolytes, enzymes and probiotics can support young animals during times of stress.



Don't let seasonal heat waves affect your profitability. ProDutch's range of nutritional solutions can help minimize heat stress in your herd.