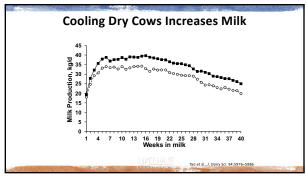
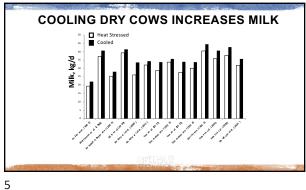
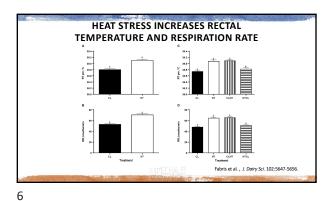


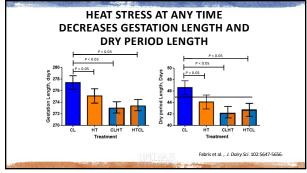
Gainesville, Florida, USA • Sand bedded free stalls • Fans over stalls • Soakers over feedline • Fans on at 70° F (21.1°C) • Soakers on 1 min every 5 min at 72° F

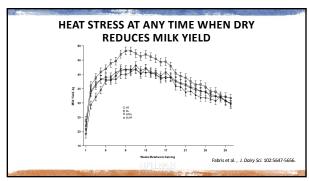


3

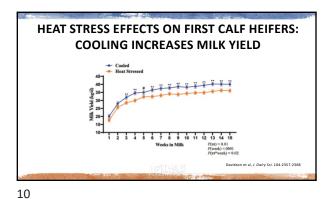


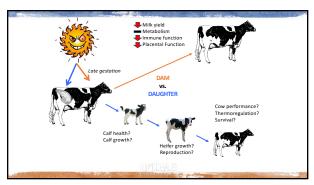


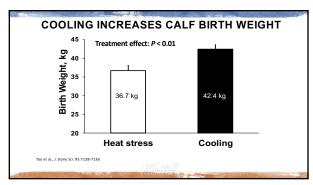




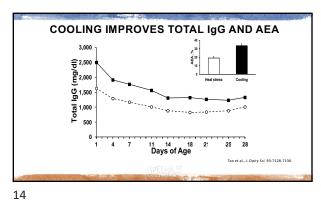
HEAT STRESS EFFECTS ON FIRST CALF HEIFERS: COOLING DECREASES RR AND RT 9



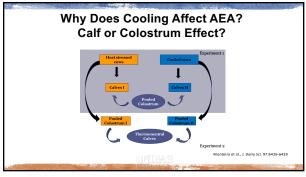


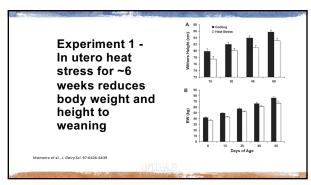


11 12

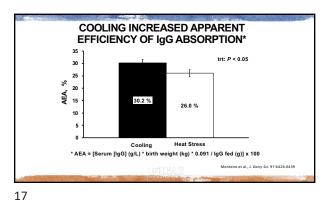


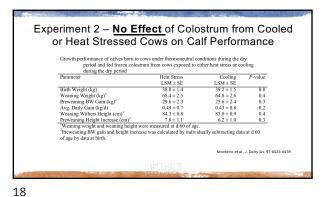
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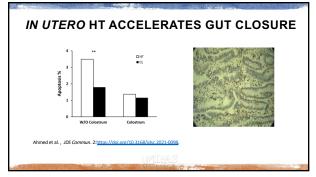




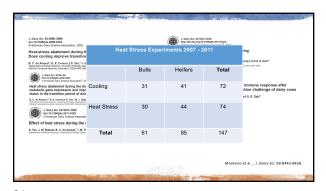
15 16

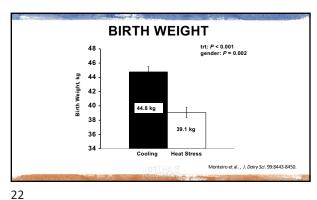


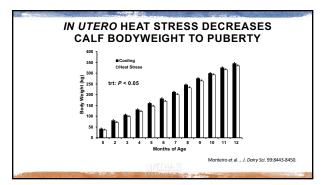


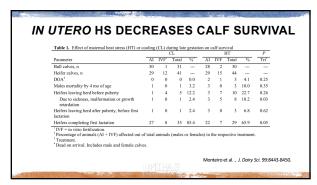




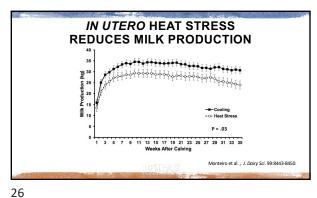




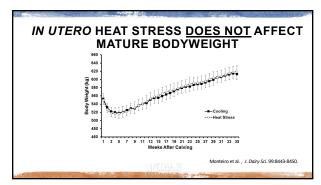


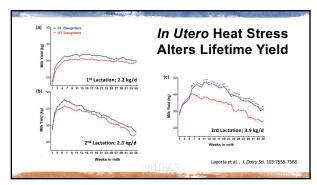


23 24

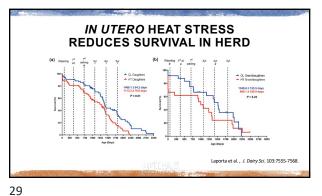


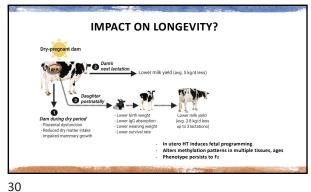
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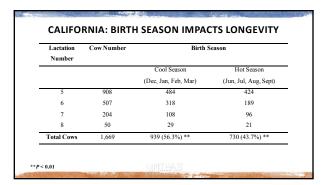


27 28

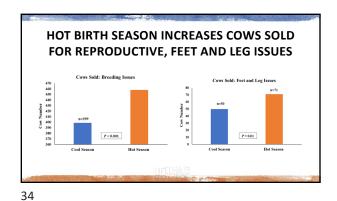


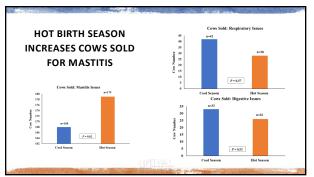


Lactation Number	Cow Number	Birth Season	
		"Cool Season" (Dec., Jan., Feb., Mar)	"Hot Season" (Jun., Jul., Aug., Sept.)
5	968	686	282
6	423	321	102
7	129	96	33
8	47	26	21
Total Cows	1,567	1,129 (72%)**	438 (28%)**



FLORIDA: COWS LEAVE DUE TO SALE



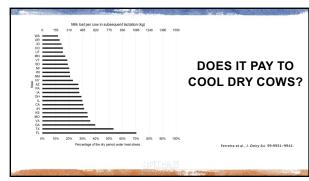




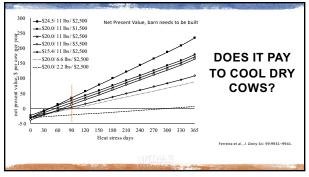
BIRTH IN HOT SEASON REDUCES HERD SURVIVAL

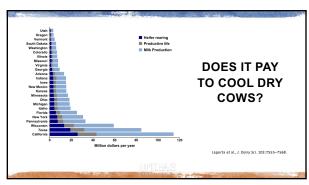
- · Consistent with in utero heat stress effects
- Death and sale due to reproduction, mastitis and lameness drive early exits
- Longevity programmed by in utero and early events – esp. heat stress
- Consider in selection of heifers for future production herd

37



38





39 40

