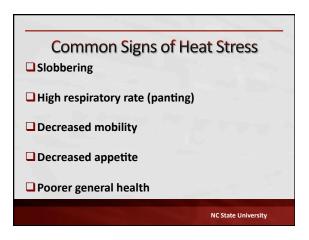
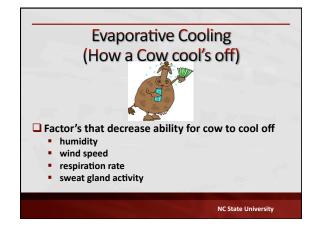
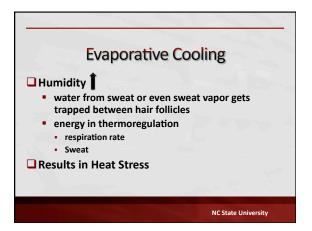
Hair Coat Shedding in Angus Dams K.A. Gray¹, T. Smith², C. Maltecca¹, P. Overton¹, J.A. Parish², and J.P. Cassady¹ ¹ North Carolina State University, Raleigh, NC, USA ²Mississippi State University, Mississippi State, MS

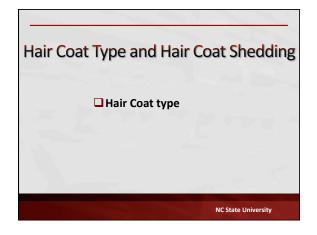
Heat Stress Reduced Conception Rates Milk Production Feed Intake Weight Gains Death NC State University

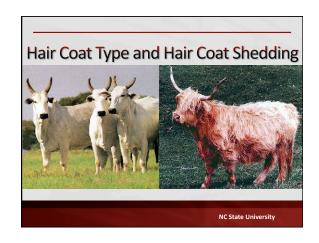
Cows Susceptible to Heat Stress Past Health Problems Respiratory disease Cattle in Confinement Less air movement More radiant heat due to concrete or compact dirt Less Shade Heavy Cattle (> 1000 lb) Dark Hided cattle

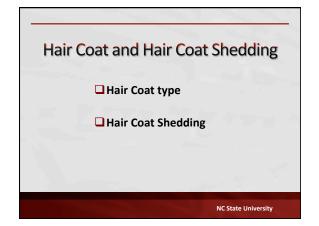


















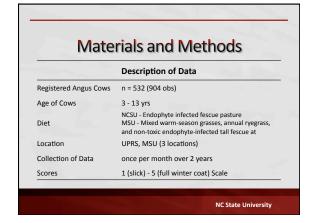
Hair Coat Shedding in the Past 1960 – First Hair Coat shedding study published Australia Hereford, Shorthorn, Zebu, British/Zebu Cross 7 point scoring system Heritablility - 0.63 Half-sib model Repeatability – 0.6 Genetic Correlation with calf growth (- 0.577) (Turner and Schleger, 1960)

NC State University

Hair Coat Shedding in the Present 2006 - Colorado State University - (Williams et al., 2006) Replacement Limousin Sires for Brazilian Herds 5 point scoring system Heritability - 0.33 Concluded that Selection for Hair coat shedding in US would increase growth in Brazil h² = 0.38 (Jenkinson et al., 1975)

Calf Coat Shedding Slick calves vs. Full coat calves No difference in weaning weight Faster post-weaning growth (Olsen et al.,2003)

Objective Assess the amount of variation in coat shedding of Angus cows Determine coat shedding relationship with pounds of calf weaned and BCS.



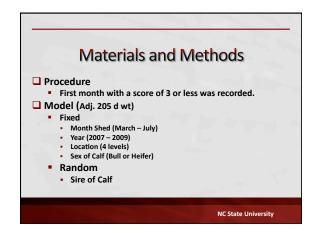


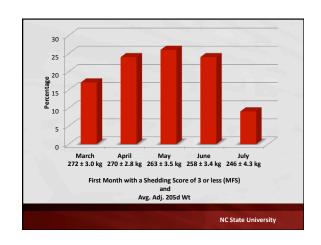


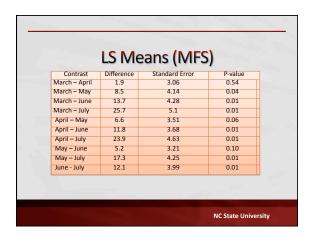


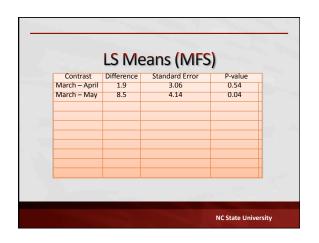


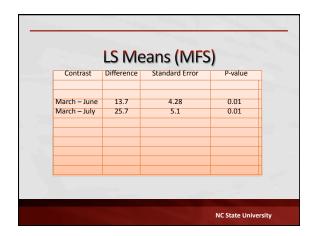


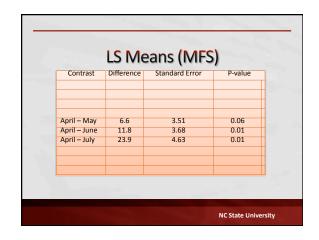


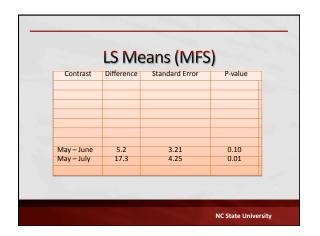


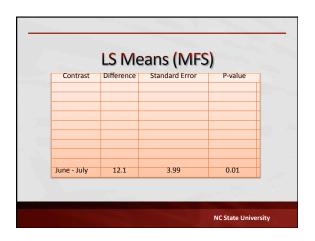


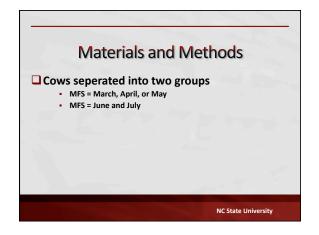


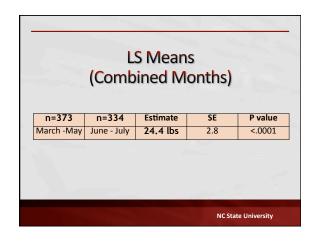


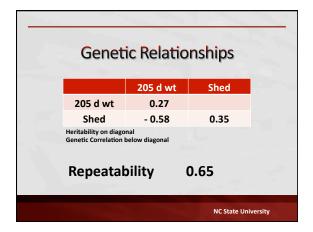


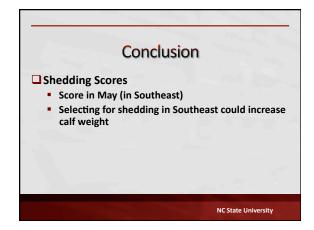


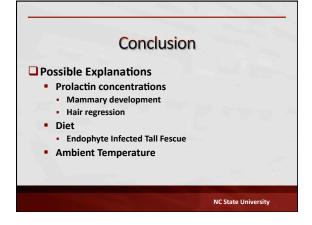


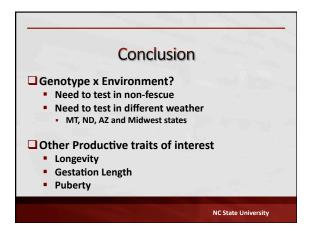




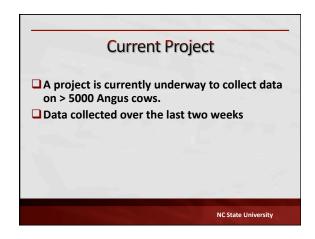








Conclusion Genotype x Environment? Need to test in non-fescue Need to test in different weather MT, ND, AZ and Midwest states Other Productive traits of interest Longevity Gestation Length Puberty



Current Project			
	Number of Cows	State	Number of Cows
Missouri	1600	Iowa	200
Texas	2200	Tennesse	330
Virgina	900	Alabama	125
North Carolina	300	Kentucky	125
South Carolina	400	Total	6420
Mississippi	240		
			NC State University





