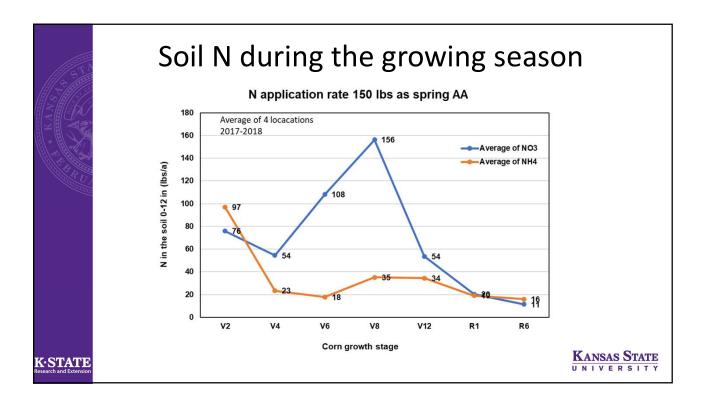
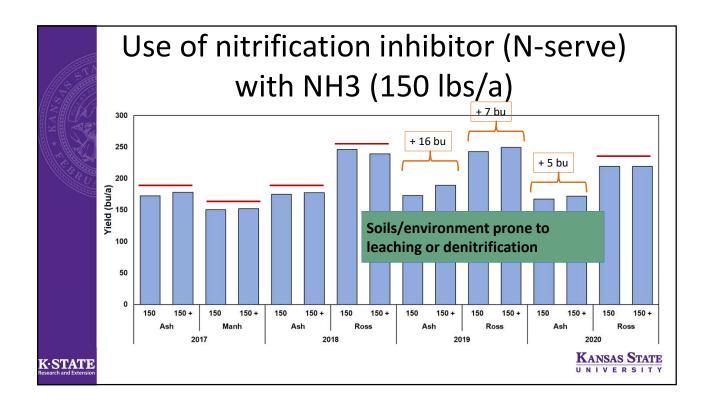
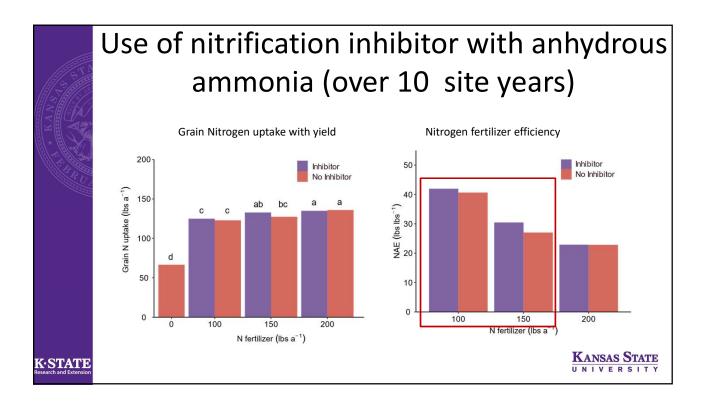
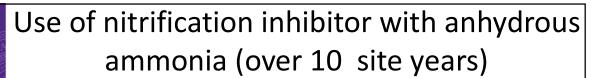


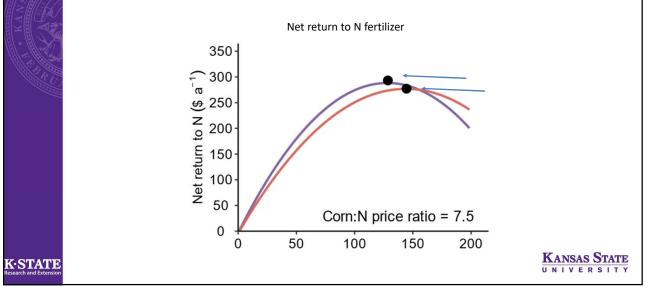
	W		•	nd duration o s on denitrific	
		Length of Saturation	Nitrate-N Los		
		(days)	(degrees F)	(% of NO3 present)	
		5	55 - 60	10	
		10	55 - 60	25	
		3	75 - 80	60	
K · STATE tesearch and Extension]	Kansas State jniversity

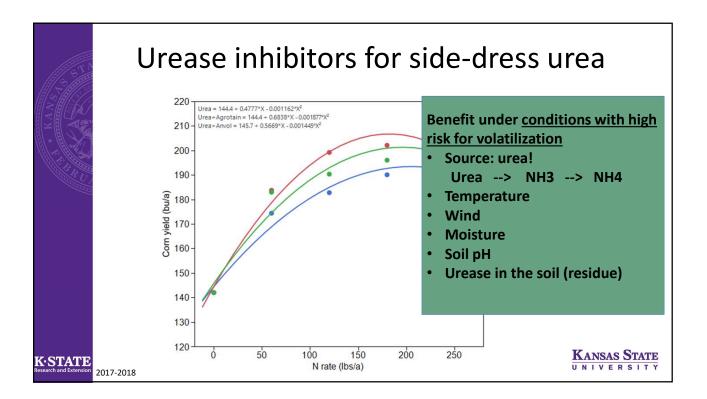


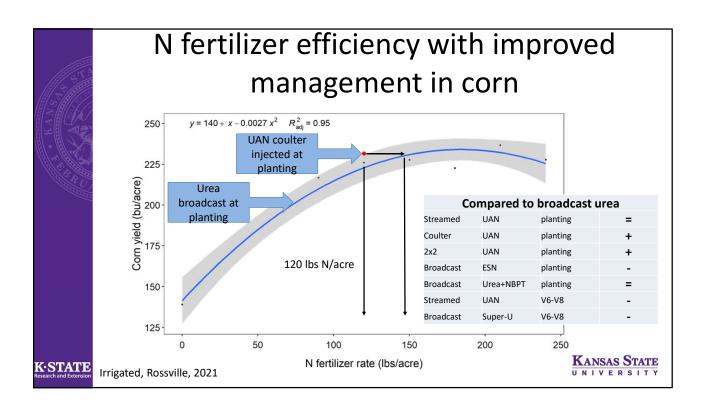


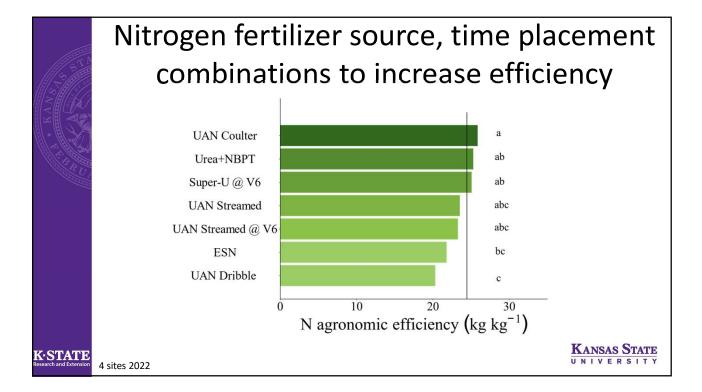


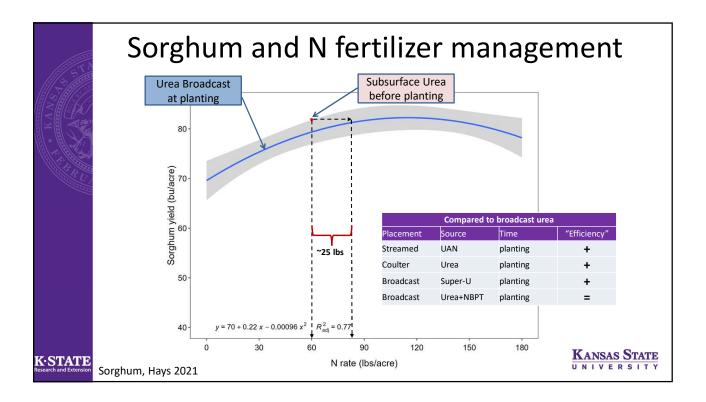


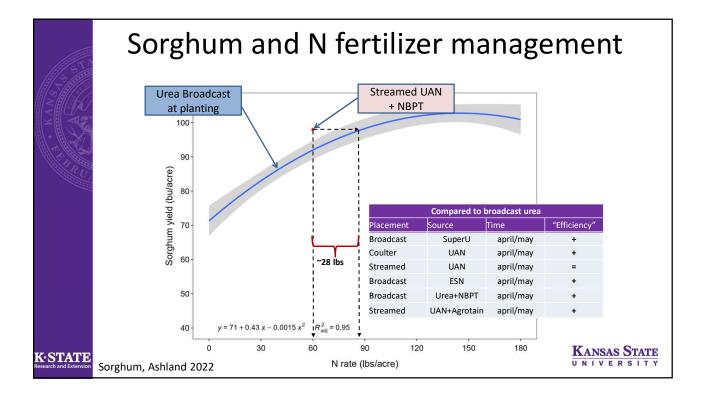


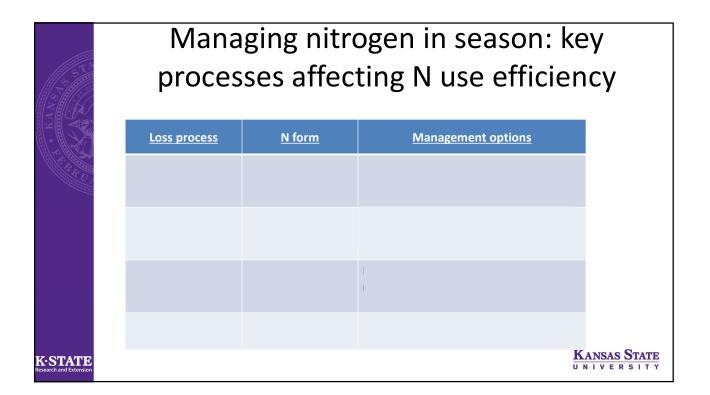


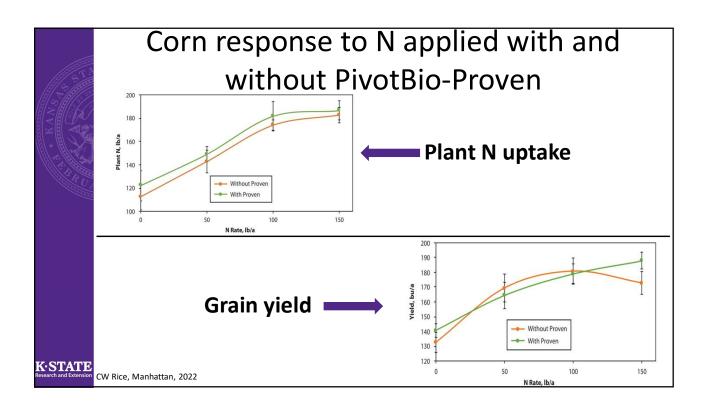


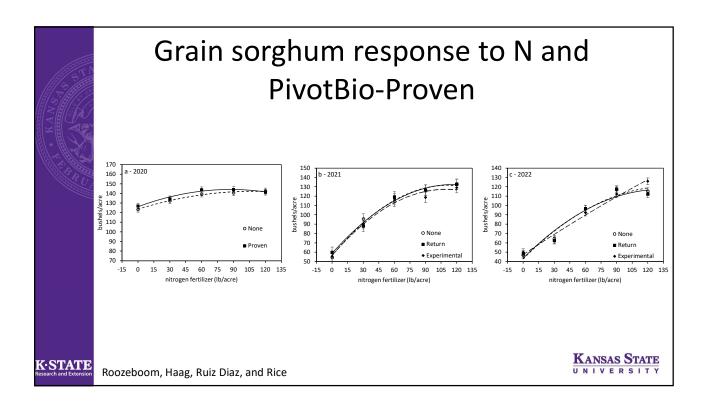


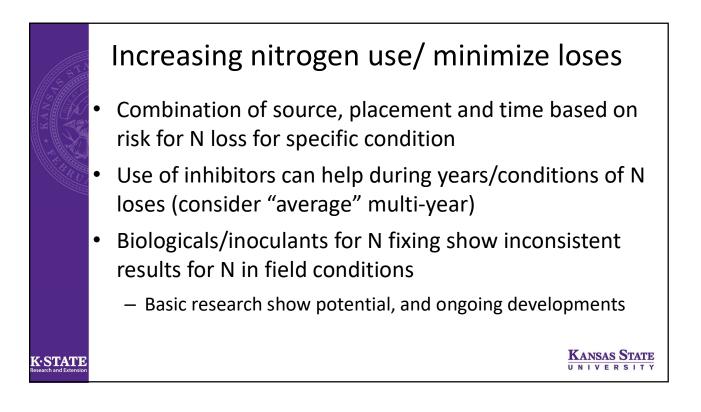








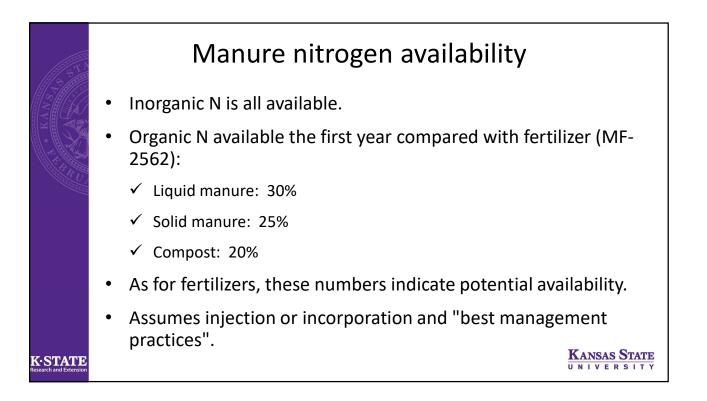


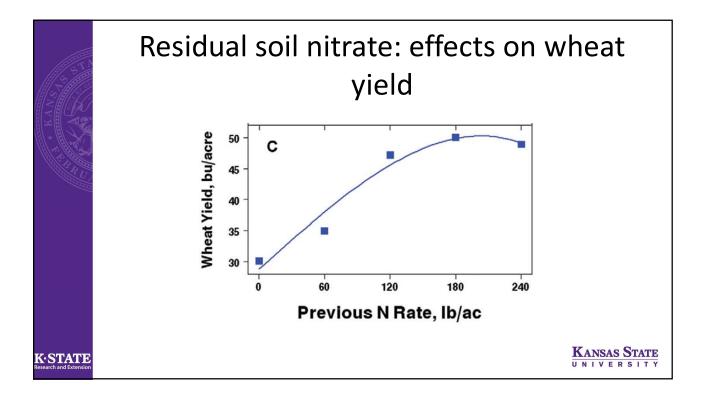


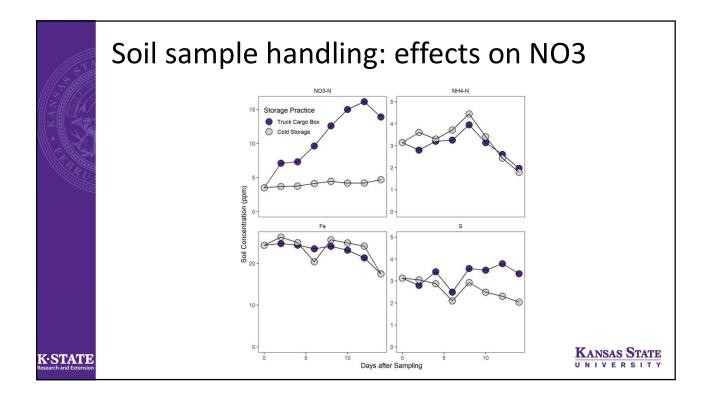
	Manure nutrients						
		% Dry					-
		Matter	Total N			K ₂ O	-
A B B D				lbs	/ton		
	Dairy	21	9	5	4	10	
	Beef	50	21	8	18	26	
	Swine	18	8	5	7	7	
	Poultry	75	56	36	45	34	-
K-STATE Research and Extension							KANSAS STATE

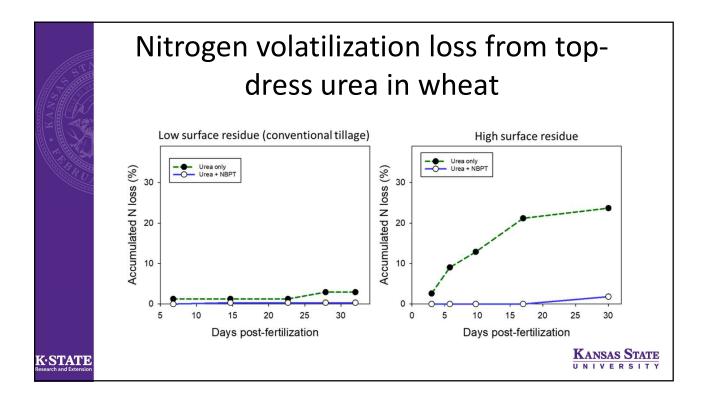
					rces	
Manure source	Iron	Manganese	Boron	Zinc	Copper	-
		lb/w	et ton			_
Dairy solid	0.5	0.06	0.01	0.03	0.01	
Swine solid	19.0	1.09	0.04	0.79	0.50	
Poultry	3.0	0.61	0.08	0.48	0.66	
		lb/10	000 gal			
Dairy liquid	0.9	0.11	0.03	0.11	0.12	
Swine liquid	2.5	0.23	0.06	1.03	0.62	

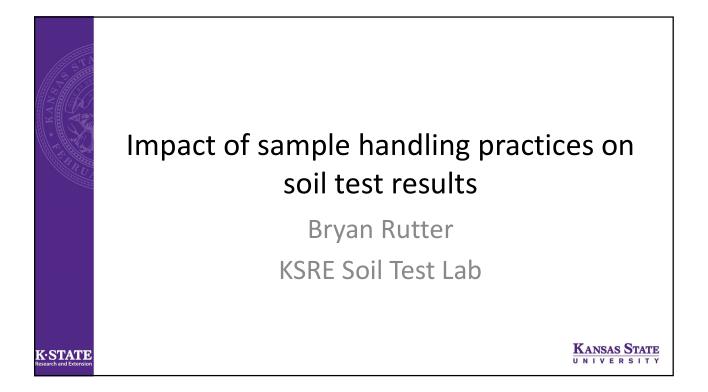
K-STA

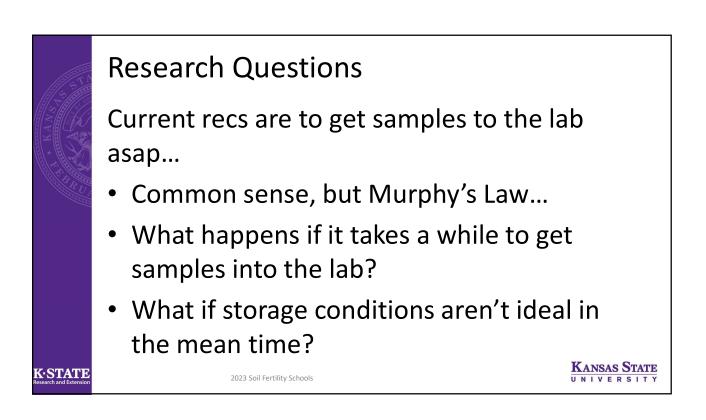


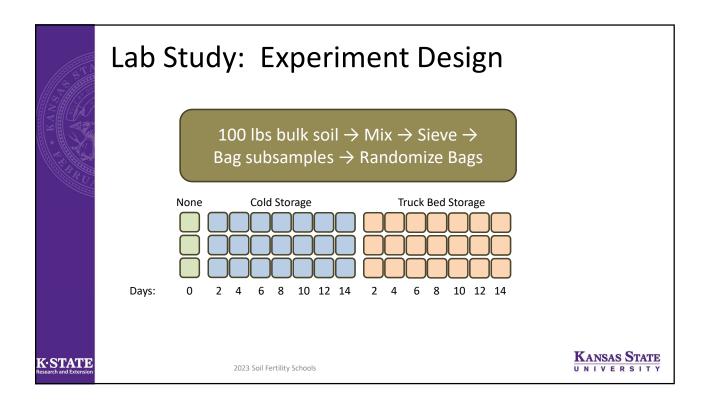


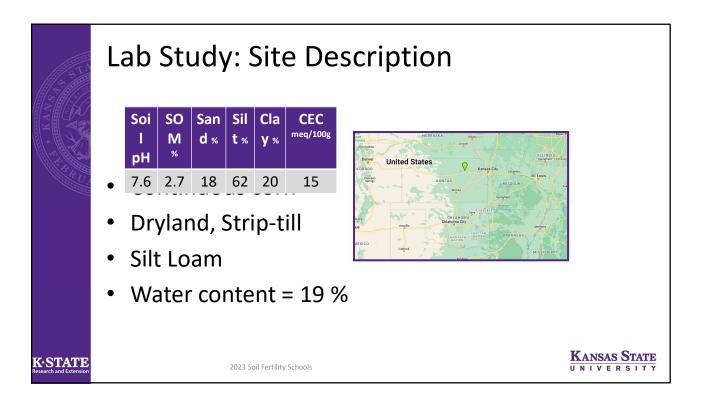


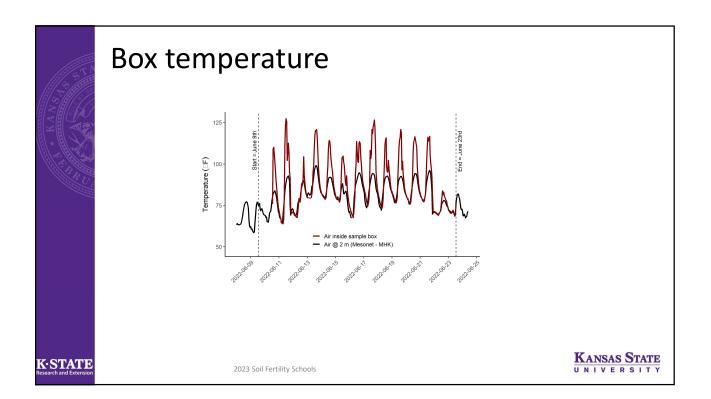












	Soil Tests and Comparisons						
A WAN	Soil pH, Buffer pH, SOM, N, P, K, S, Cu,	Soil tests grou No Changes	Change Over Time Only				
	Fe, Mn, Zn	Soil pH	Cu	NO ₃ -N			
	Storage	Buffer pH	Fe	S			
	Environment	SOM	Mn				
	• Time	Р	Zn				
		К					
	 Storage x Time 	NH ₄ -N					
K STATE esearch and Extension	2023 Soil Fertility Schools				KANSAS STATE		

