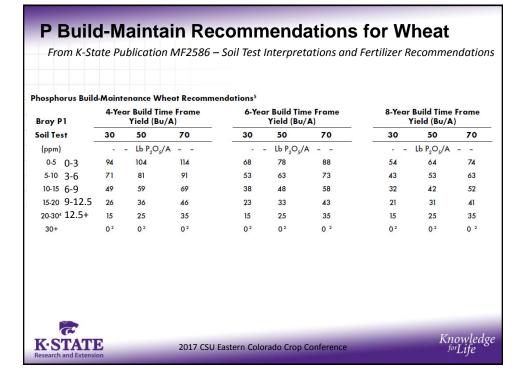
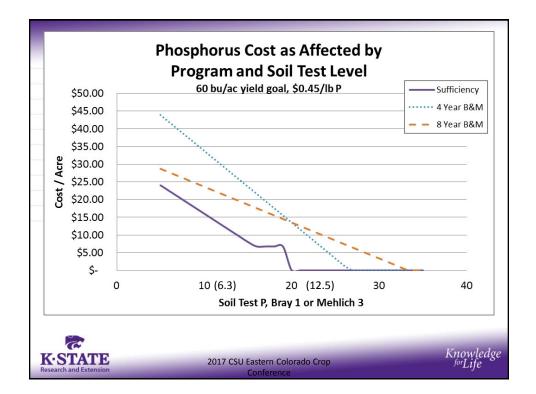
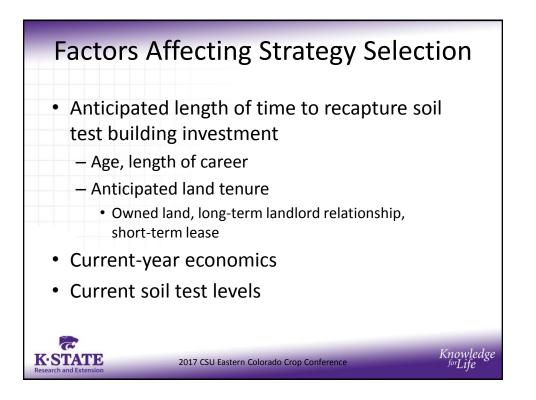


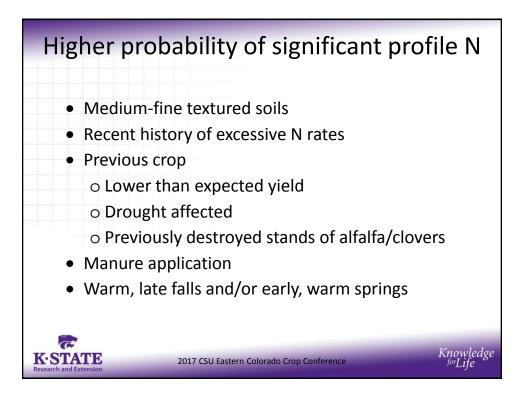
	Phosph	orus Su	ficiency R	lecomme	ndations	for Wheat <sup>1</sup>
Olean	Bray P1		Yiel	d Goal (B	u/A)	
Olsen (ppm)	Soil Test	30	40	50	60	70
(ppiii) _	(ppm)		L	bP2O5/A		
0-3	0-5	50	55	60	60	65
3-6.3	5-10	35	40	40	45	45
6.3-9.4	10-15	20	25	25	25	30
9.4-12	5 15-20	15	15	15	15	15
12.5+	20+	0 2	0 2	0 2	0 2	0 2
	Crop Removal <sup>3</sup>	15	20	25	30	35
trient reco	mmendatio	ns are for	the total a	amount of	broadcast	and banded nutrients



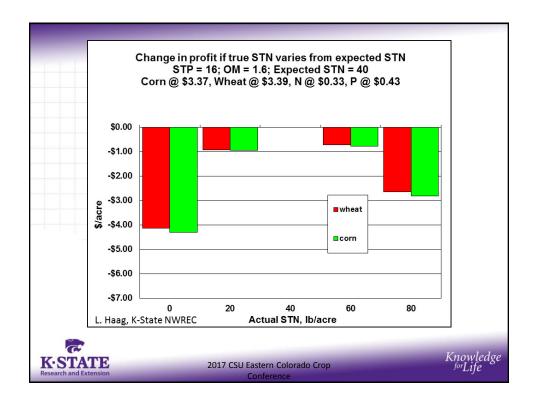


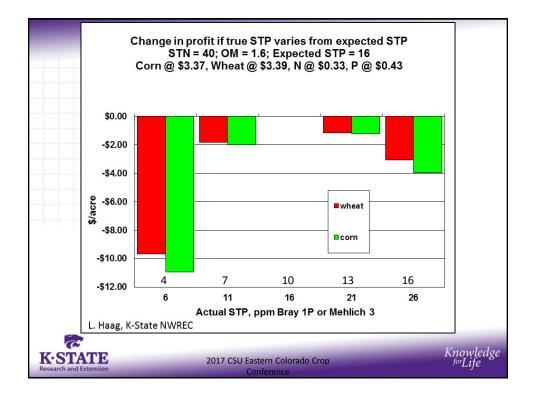


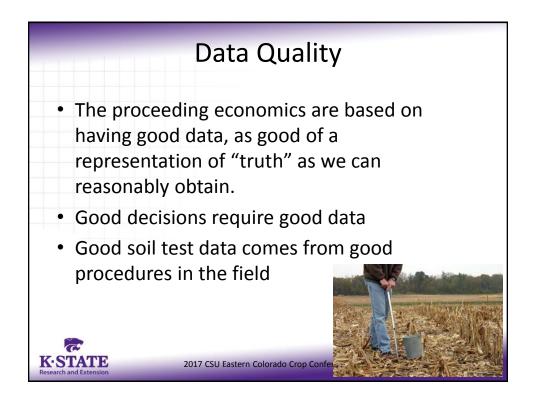
	N	rec =	Yield] :	Goal x 2.4*] – PNST – (%SOM x 10) – PCA– igation Nitrate – Manure
				djustments for tillage and grazing
Previous	Yie	ld Goa	al I	
Crop	30	50	70	%SOM = % Soil OM x 10 = 20
				PCA = Previous Crop Adjustment
Corn	22	70	118	Corn = 0, sorghum = -30
Wheat	22	70	118	Wheat = 0, sunflower = -30
Sorghum	52	100	148	soybean = 0, fair alfalfa =+20
Sunflower	52	100	148	Fallow = +20**
Soybean	22	70	118	PNST = 24 in. N Soil Test = 30
Alfalfa	2	50	98	Irrigation Nitrate = ppm N x 0.226/inch
				Manure = 0
				No-till = 20
				Grazing = 40 per 100 lbs gain

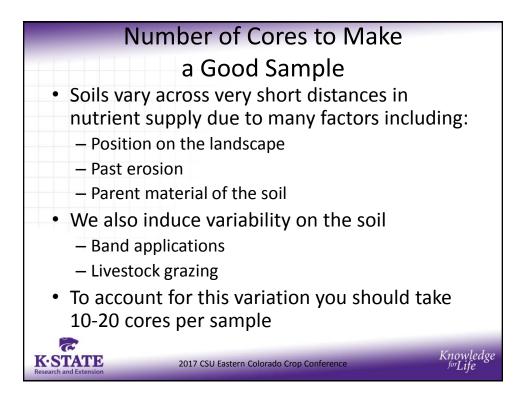


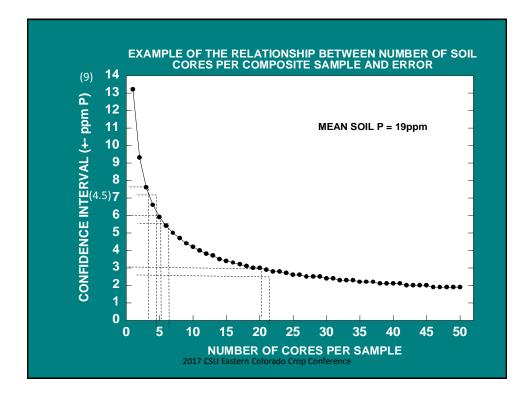
Previous crop	Number of samples	Average Profile NO3 lb/acre
Alfalfa	1	103
Corn	11	65
Fallow	12	154
Sorghum	9	70
Soybean	4	84
Wheat	38	65

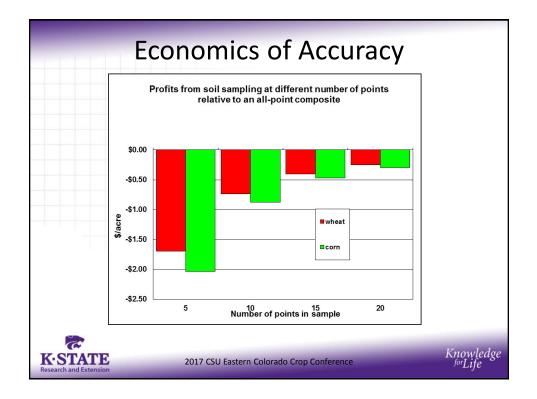


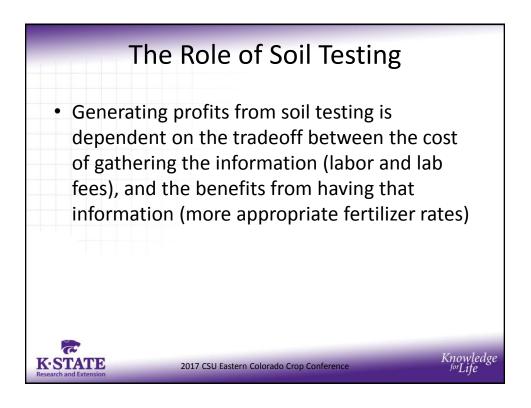


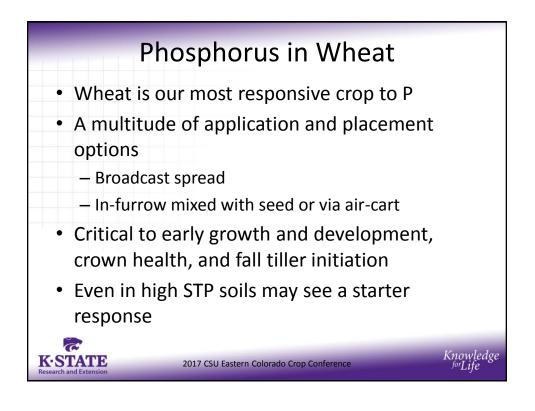


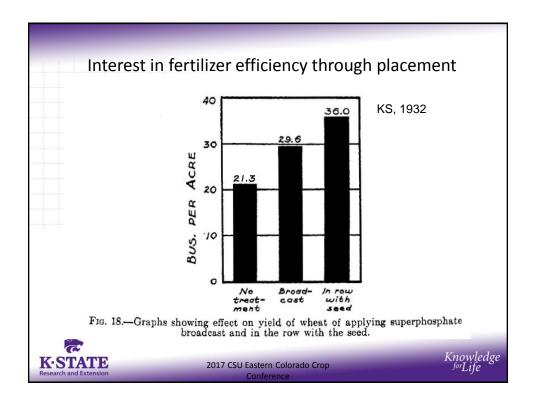


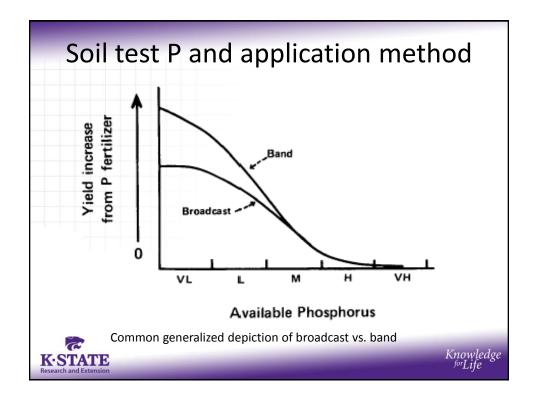








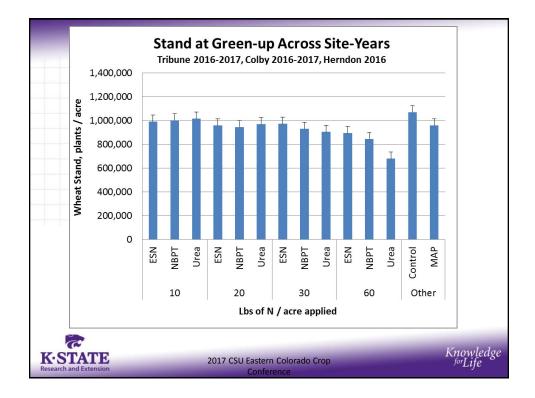


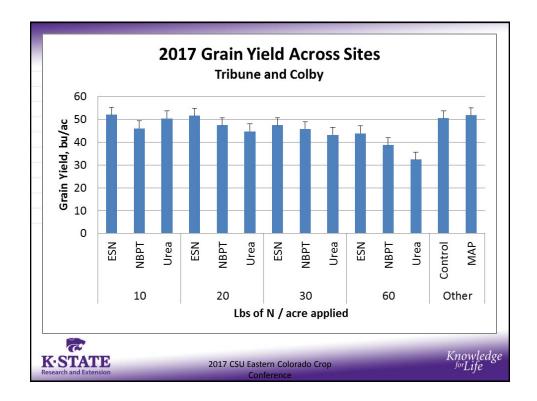


Ph	osphorus	remc	oval va	lues
	Сгор	Unit	P <sub>2</sub> O <sub>5</sub> (lb)	
	Corn	bushel	0.33	
	Grain Sorghum	bushel	0.40	
	Wheat	bushel	0.50	
	Sunflowers	pound	0.02	
	Oats	bushel	0.25	
	Soybeans	bushel	0.80	
	Proso Millet	cwt	0.69	
K·STAT Research and Exter	TE nsion	_		Knowledge <sup>for</sup> Life



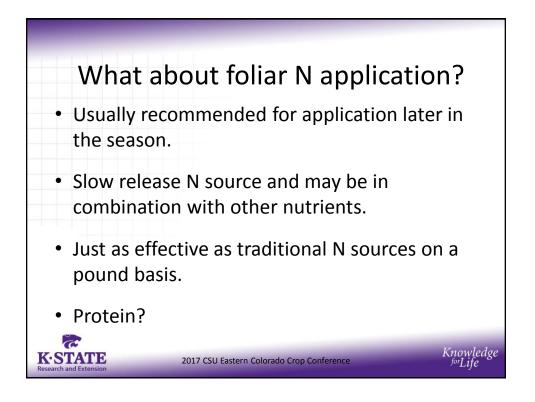
	luce the negative	•
planting and le	ess than optimal s	seeding rates
		-
Dramation of	fall tillering (N eff	ect)
Promotion of		
Promotion of		,
Promotion of		,
	ates of Fertilizer to be Applied D	
	ates of Fertilizer to be Applied D	irectly With Wheat Seed
Suggested Maximum F		irectly With Wheat Seed
Suggested Maximum F	ates of Fertilizer to be Applied D Pounds N + K <sub>2</sub> O Medium to Fine	irectly With Wheat Seed (No urea or UAN) Sandy or Dry
Suggested Maximum F Row Spacing (inches)	ates of Fertilizer to be Applied D Pounds N + K₂O Medium to Fine Textured Soils	irectly With Wheat Seed (No urea or UAN) Sandy or Dry Soils



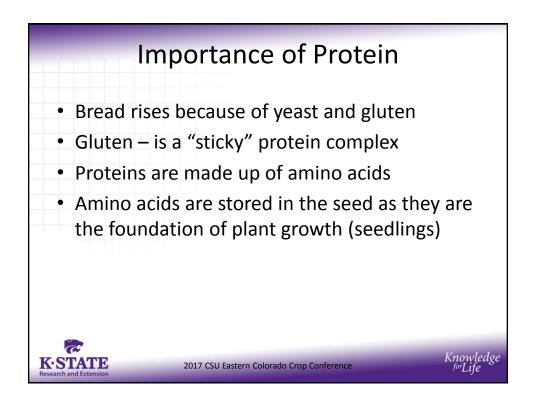


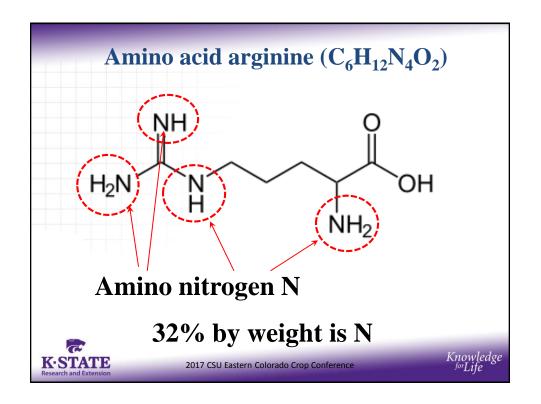
Wł	neat: tim	ing of N a	pplicatio	n
	N rate (Ibs/acre)	Application time	Yield (bu/acre)	
	0	NA	46	
	60	Feekes 4-5	49	
	60	Feekes 6*	58	
	60	Feekes 9	48	
	LSD (0.1)		3	
<b>*</b>	* Jointing	Tucker a	and Mengel, 2008	
K-STATE Research and Extension	2017 CSU	Eastern Colorado Crop Confe	rence	Knowledge <sup>for</sup> Life

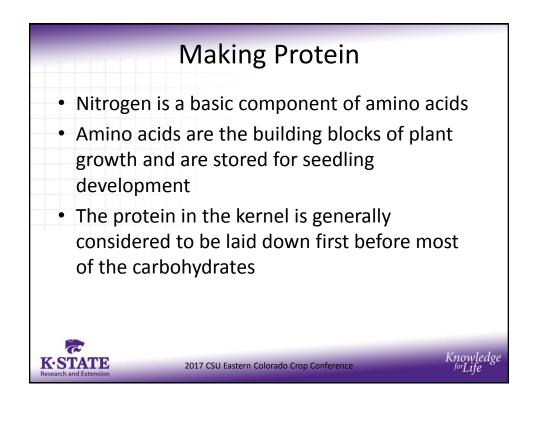
N rate (Ibs/acre)	Nitrogen Source	Application Method	Yield (bu/acre)
0	NA	NA	46
60	Dry urea	Broadcast	51
60	UAN	Sprayed	47
60	UAN	Streamer bars	56
LSD (0.1)			3

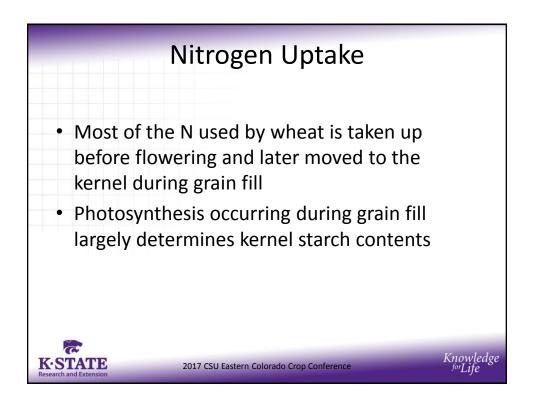


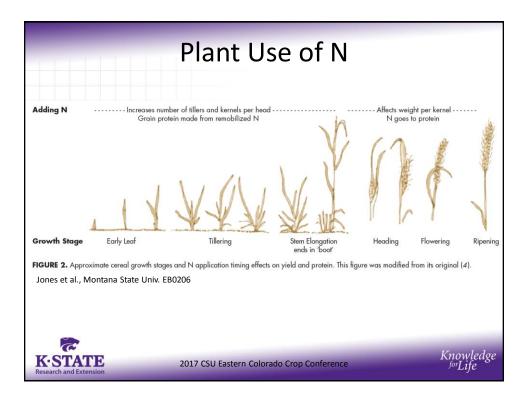


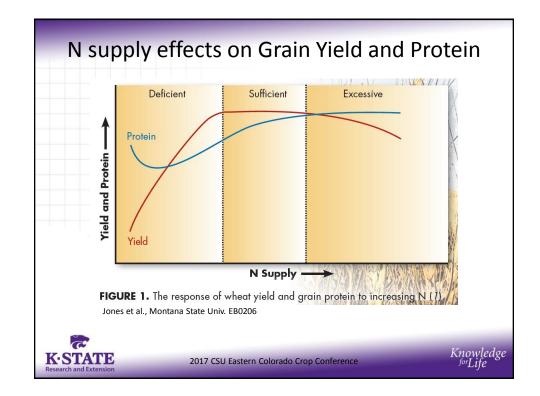


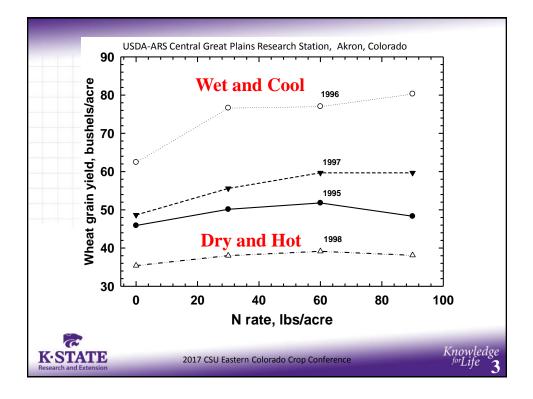


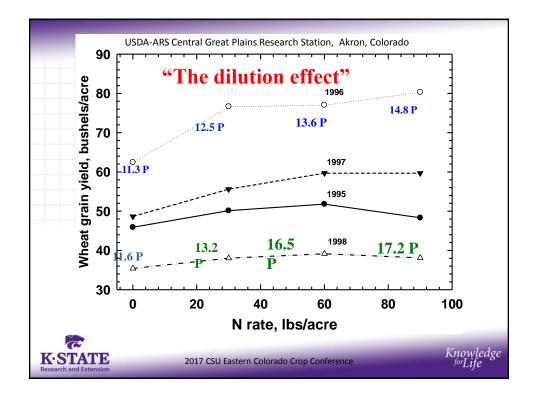


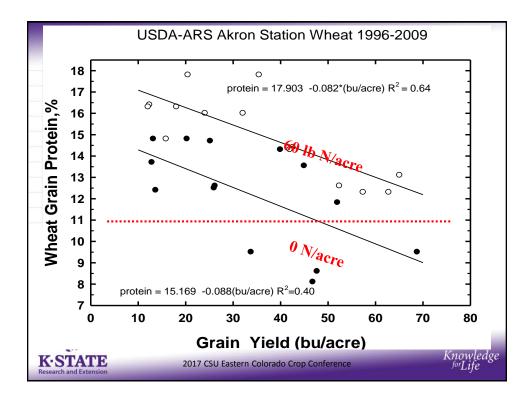


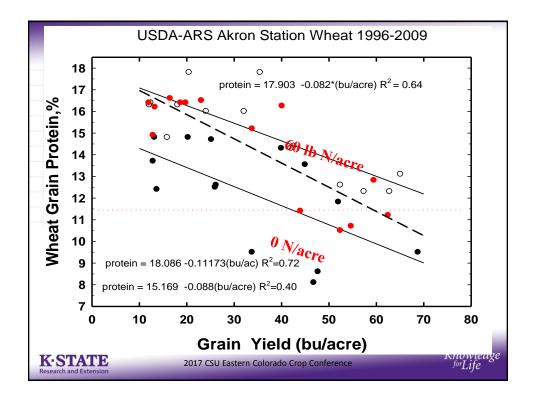


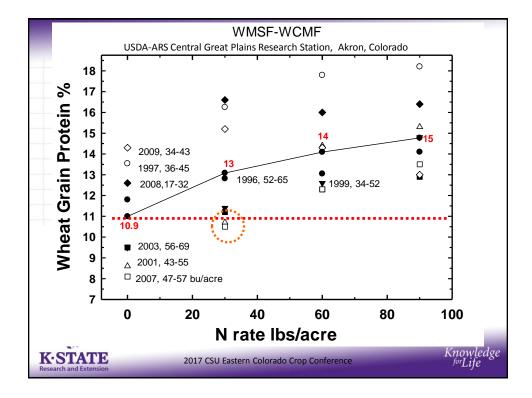


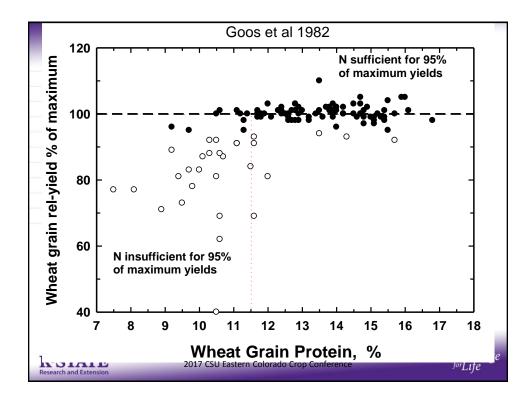


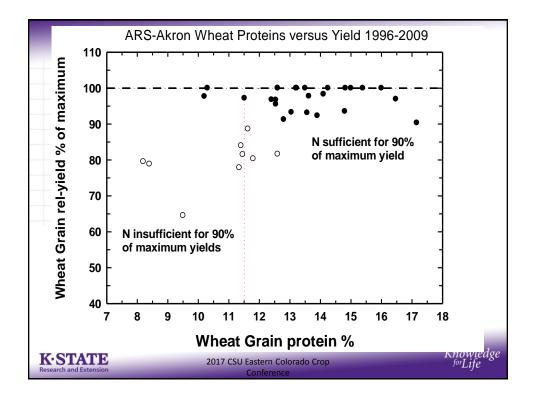




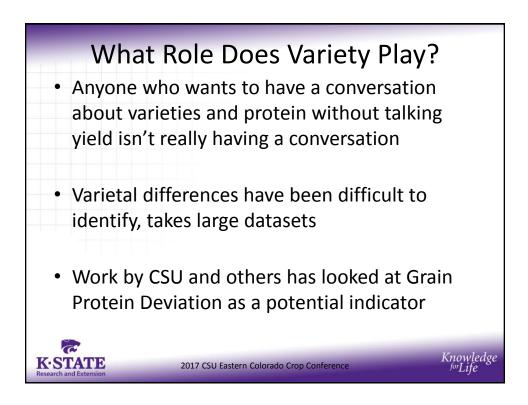


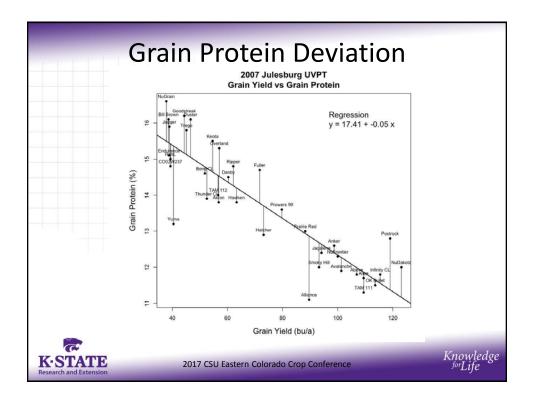






2011 Crop		asing						Protei	n	
N added Feekes 9	Randolph Yield		olph	Rossvil Yield		Rossvil Proteir	le	Scandia Yield	Scandia Protein	
0	39	12.2		52 1		12.2		20	13.9	
25	38	11.9		58		12.6		23	15.3	
50	40	12.1		55		13.1		23	16.3	
N added Feekes 9	Gypsum Yield	Gypsum Protein	Nfar Yield		Nfar Prot					
0	34	13.6	60		12.7			2012 Crop \	/ear	
30	46	13.6	64		13.2					
60	42	15.3	66		14.3					
90	38	16.3	65		15.6					
K-STAT Research and Extension	<b>E</b> ion	2017 (	CSU East	ern Colora	ado Cro	p Conferer	nce		Knowledge <sup>for</sup> Life	





		Home		arieties		atabase		What's Nev		Links				
		Col	orac	10 V	vnea	at Va	arie	ty Da	ta	base				
		Database Main Page	Wheat Inform			Locatio I Data		tiple Locati Trial Data	on	Head-to-Head Comparisons				
					Wheat V	ariety S	ummar	v						
						ch to Form		,						
Variety	<ul> <li>Kind<sup>®</sup></li> </ul>	Origin/Year	Heading :	Height :	Coleoptile :			Leaf Rust : St	ripe R	ust : Wheat Streak :	Test Weight	Protein	Milling 1	Baking
1863		KSU 2012	4	5	4		S	7	3	-	5	3	4	5
AP502 CL	CL1	Syngenta 2001	1	4	8	2	S	9	9	5	6	5	7	7
Above	CL1	CSU-TX 2001	2	4	9	3	S	9	8	5	7	6	4	6
Akron	-	CSU 1994	6	5	5	7	S	9	9	9	8	6	6	3
Ankor		CSU 2002	5	6	5	4	R*	9	8	9	5	6	5	4
Armour		Monsanto 2008	3	1	8	3	S	5	7	7	8	4	4	5
Avery	-	CSU 2015	6	7	5	7	S	8	7	3	4	7	4	3
Baca	-	CSU 1973	5	9	8	9	S	4	6	7	4	7	3	3
Bearpaw		MT 2011	9	3	3	3	S		7	-	5	5	6	5
Bill Brown	-	CSU 2007	5	4	2	4	R*	2	6	7	4	7	6	4
Billings	-	OK 2009	7	5	6	6	S	2	2	-	8	4	2	3
Bond CL	CL1	CSU 2004	4	7	5	5	R*	6	8	8	8	9	6	4
Brawl CL Plus	CL2	CSU 2011	2	6	9	3	S	6	5	7	4	1	4	3
Byrd		CSU 2011	4	6	6	7	S	8	7	2	4	7	3	3
CSU Blend13	-	CSU-MT 2004/2011	5	3		-	R*/S				5	7	4	5
Camelot		NE 2008	3	8	5	7	S	2	4	7	5	2	3	4
Cowboy	-	WY-CSU 2011	7	6	3	8	R*	7	7	6	7	7	4	6

Variety	Protein Score	
Avery	7	
Brawl CL Plus	1	
Byrd	7	
Hatcher	8	
Langin	6	
SY Monument	5	
TAM111	3	
WB-Grainfield	6	
Relative grain protein content (gra 1=very high to 9=very low	in protein deviation),	

