

Introduction

- The US meat goat market is rapidly growing with a 211% increase from 2002 to 2017 (NASS, 2002 and 2017).
- Demand is increasing in countries that have the fastest growing populations.
- Minimal research has been done on the effect of corn co-products in small ruminants.

- **Completely randomized design**
- DDGS/66% CGF; 5) 0% DDGS/100% CG
- ADG, ADFI, F:G were calculated weekly throughout the 35 d experiment
- the feed ingredients as of March 28, 2019
- Analysis was made using the GLIMMIX procedure of SAS

Ingredient	Inclusion In Treatment on % basis				
	A	B	С	D	E
Corn Gluten Feed	0.00%	0.00%	12.63%	25.26%	37.88%
Corn DDGS	0.00%	20.24%	13.49%	6.75%	0.00%
Soybean Meal, 48%	15.01%	0.00%	0.00%	0.00%	0.00%
Corn	42.67%	11.49%	13.65%	15.81%	17.96%
Soybean Hulls	35.74%	62.17%	54.16%	46.15%	38.14%
Molasses	2.50%	2.50%	2.50%	2.50%	2.50%
AmCl	1.00%	1.00%	1.00%	1.00%	1.00%
Limestone	1.58%	1.23%	1.48%	1.73%	1.98%
Salt	0.50%	0.50%	0.50%	0.50%	0.50%
Se Selenite	0.00%	0.00%	0.00%	0.01%	0.01%
Vit A 30,000	0.01%	0.01%	0.01%	0.01%	0.01%
Vit D 30,000	0.00%	0.00%	0.00%	0.00%	0.00%
Vit E 20,000	0.00%	0.00%	0.00%	0.00%	0.00%
Cu Sulfate	0.01%	0.01%	0.01%	0.01%	0.01%
Mono Calcium	0.96%	0.83%	0.55%	0.28%	0.00%

Acknowledgements to Kansas Corn Commission and the Dr. Mark. And Kim Young **Research Fund for supporting this project.**

The Effect of Replacing Soybean Meal and Dried Distillers Grains with Corn Gluten Feed in Boer Goat Diets

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Objective

• This experiment was conducted to determine if corn gluten feed (CGF) could replace soybean meal (SBM) and dried distillers grains with solubles (DDGS) as a protein source in Boer-type goat diets.

Materials and Methods

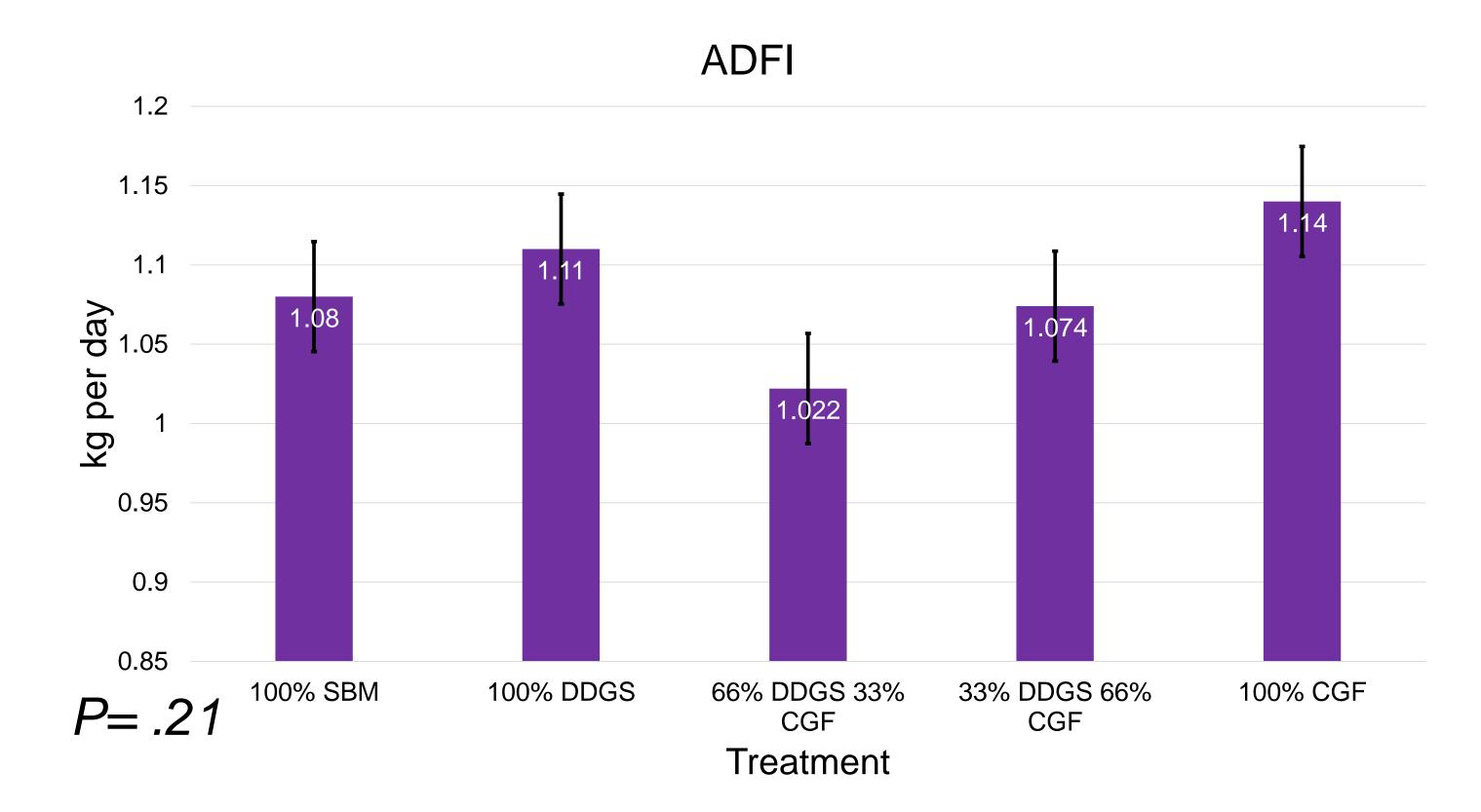
• 75 Boer-type goats with an approximately 70 d of age with an average weight were housed in pens of 3 • There were 5 treatments, each varying only on the ingredient used for the protein source.

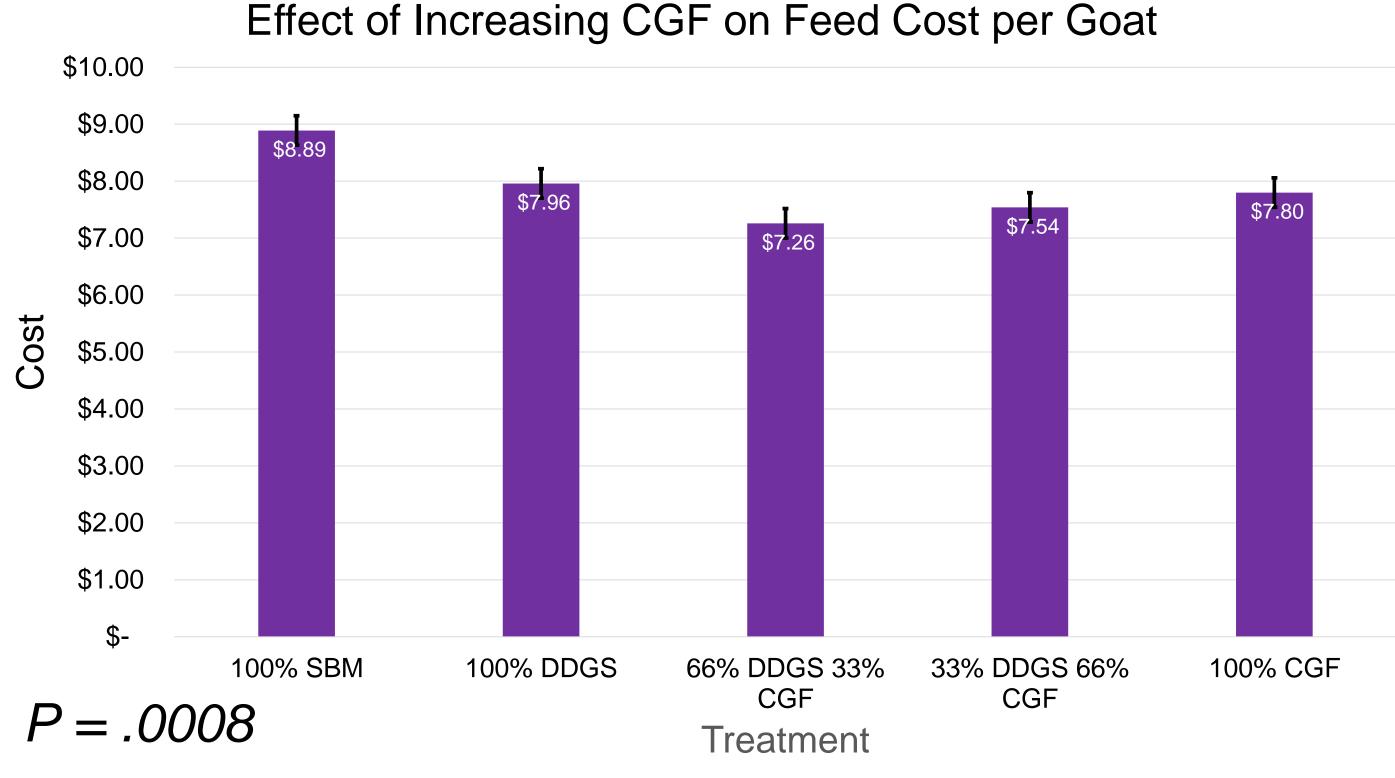
• The treatments were, 1) 100% soybean meal; 2) 100% DDGS/0% CGF; 3) 66% DDGS/33% CGF; 4) 33%

• Cost per pound of feed and pound of gain were calculated at the end of the experiment using the cost of

There were no statistical differences between all the measured data except the cost per goat

Both the cost per goat and ADFI had an increasing amounts of corn gluten feed





•Corn gluten feed can replace soybean meal without negative consequences on growth performance

 In mantianace situations corn gluten feed can provide a more inexpensive diet





Results

increasing quadratic trend in treatments with

Conclusions