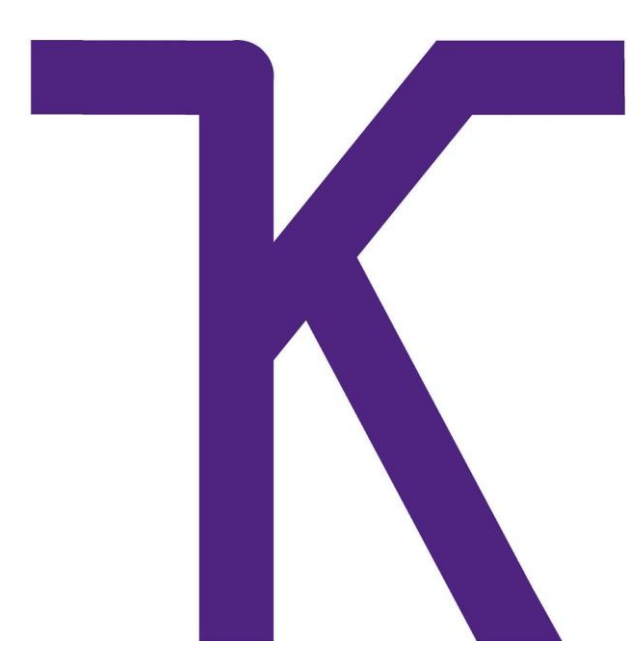




Effects of Corn Gluten Feed and Dried Distillers Grains with Solubles on Boer-type Goat Performance

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Introduction

- The U.S. goat population has grown 211% in the last 15 years (NASS 2002 and 2017)
- There has not been much research done on economical diets for goats

Objectives

- This study aimed to determine a cheaper alternative feed for SBM in Boer-type goats using corn gluten feed (CGF) and dried distillers grains with solubles (DDGS).
- Corn co- products such as CGF and DDGS are an inexpensive protein source relative to SBM

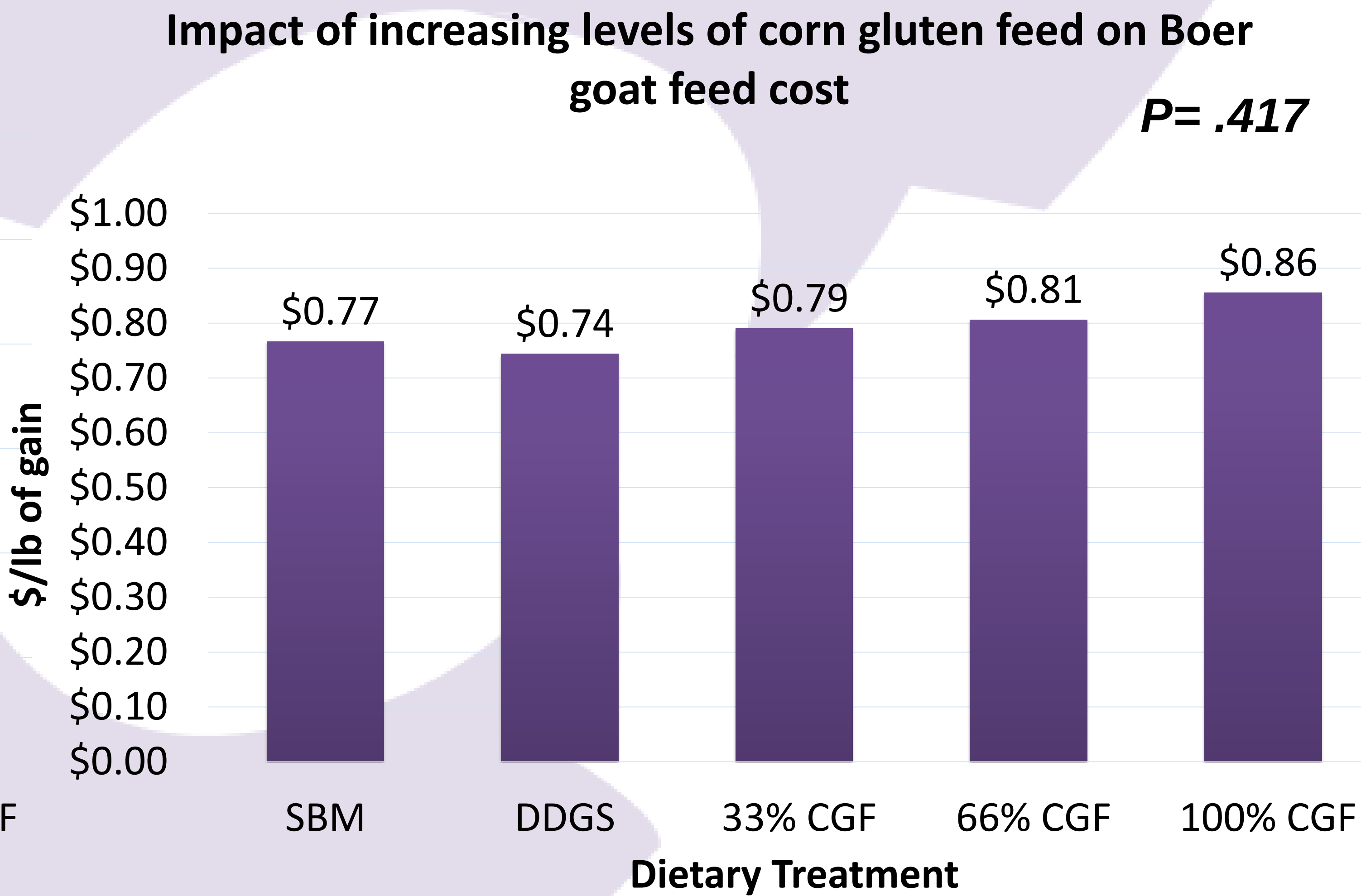
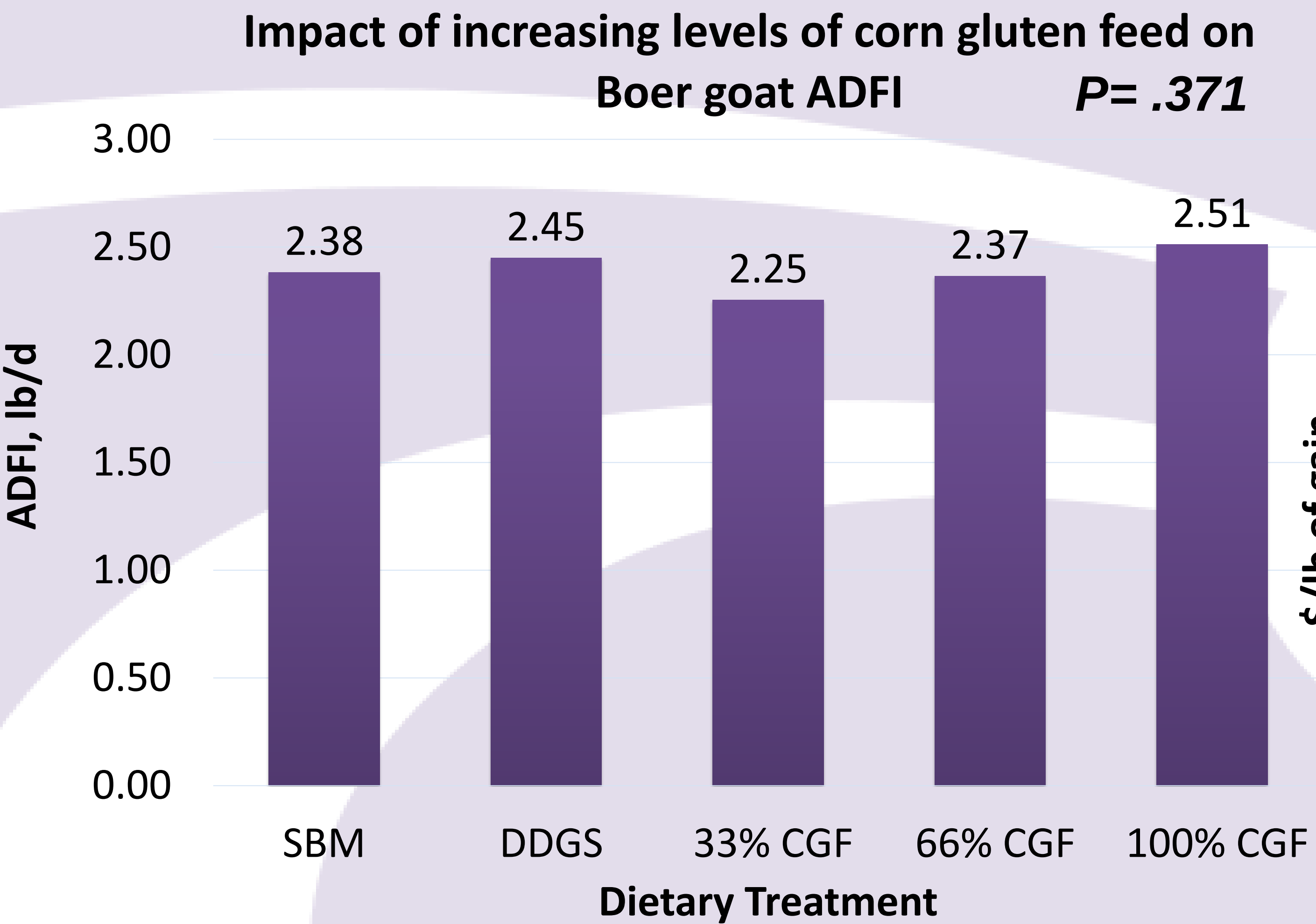
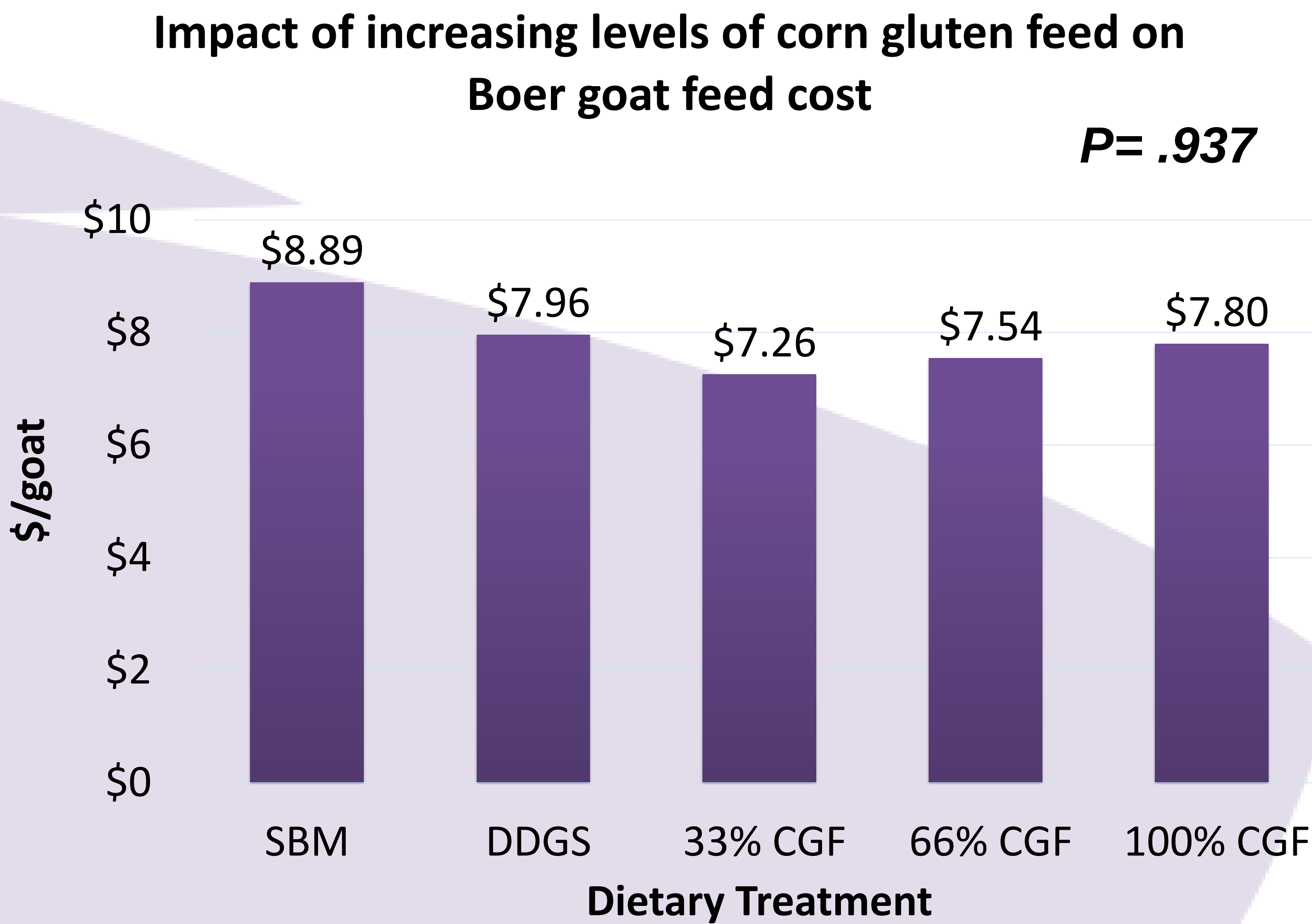
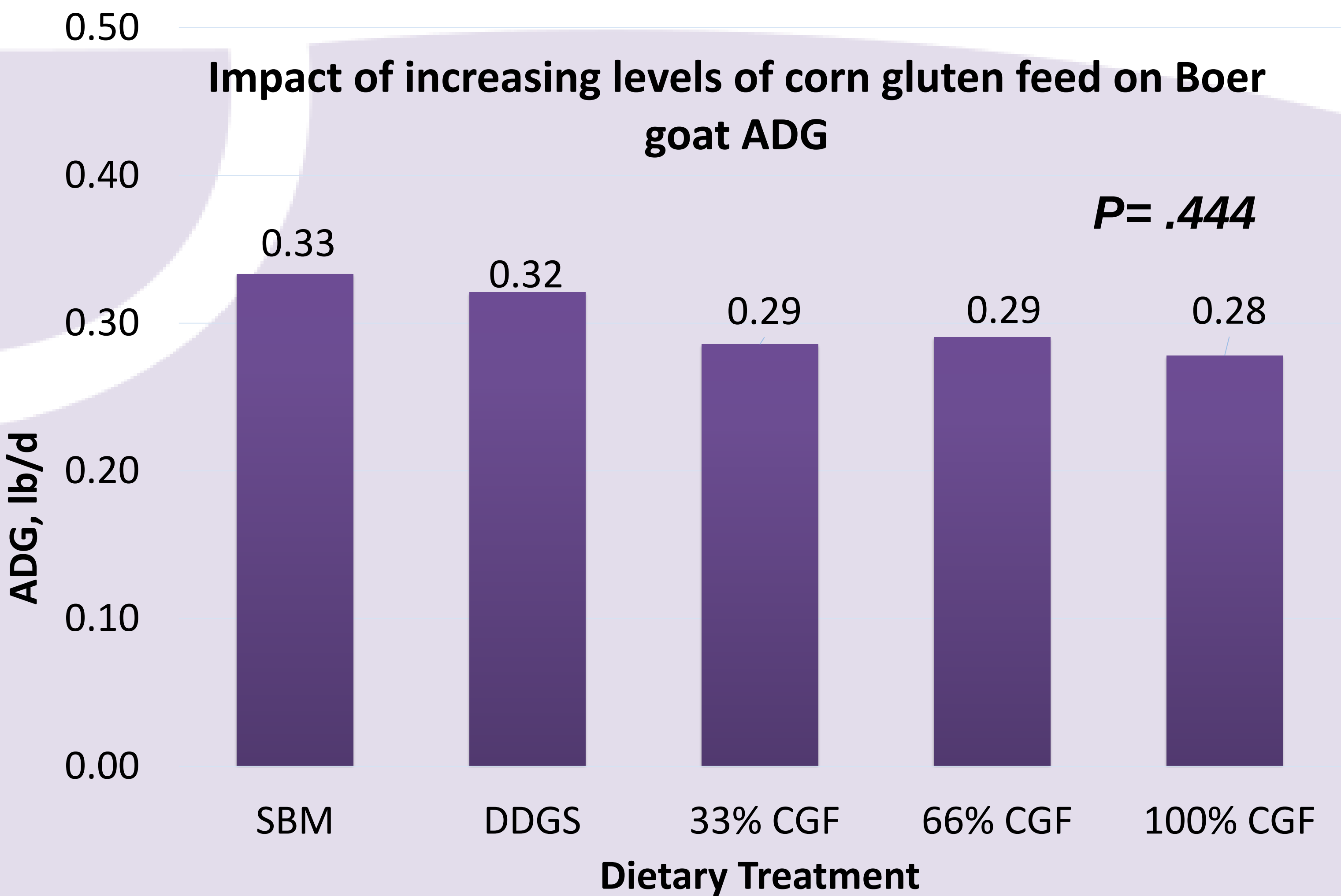
Experimental Procedures

- 75 Boer-type goats approx. 70 D of age, weighing approx. 26kg
- In a completely randomized design, goats were randomly assigned to pens of 3, pen was the experimental unit
- 5 pens per treatment with treatment randomly assigned to pen
- Goats and feeders were weighed on a weekly basis
- Data was analyzed using the GLIMMIX procedure of SAS (V. 9.4, Cary, NC)

Experimental Diets

- Treatment 1- Soybean meal
- Treatment 2- 100% DDGS 0% CGF
- Treatment 3- 33% DDGS 66% CGF
- Treatment 4- 66% DDGS 33% CGF
- Treatment 5- 0% DDGS 100% CGF

Results



Acknowledgements

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Conclusions

- In summary CGF and DDGS are overall a cheaper option too feed goats.
- When figuring the cost of feed per goat corn co-products are a much cheaper option, however when figuring the price of pound per gain there are no statistical differences
- Therefore feeding CGF and DDGS can be an economical diet replacement for SBM.