

Dried Distillers Grains with Solubles or Corn Gluten Feed has the Ability to Replace Soybean Meal in Boer-Type Growing Goat Diets

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Introduction

- There is limited research pertaining to the formulation of growing goat diets.
- This restricts producer's knowledge on what to feed their goats to achieve higher performance in a more financially economical way.
- This closes off potential feed ingredient markets due to lack of research conducted.

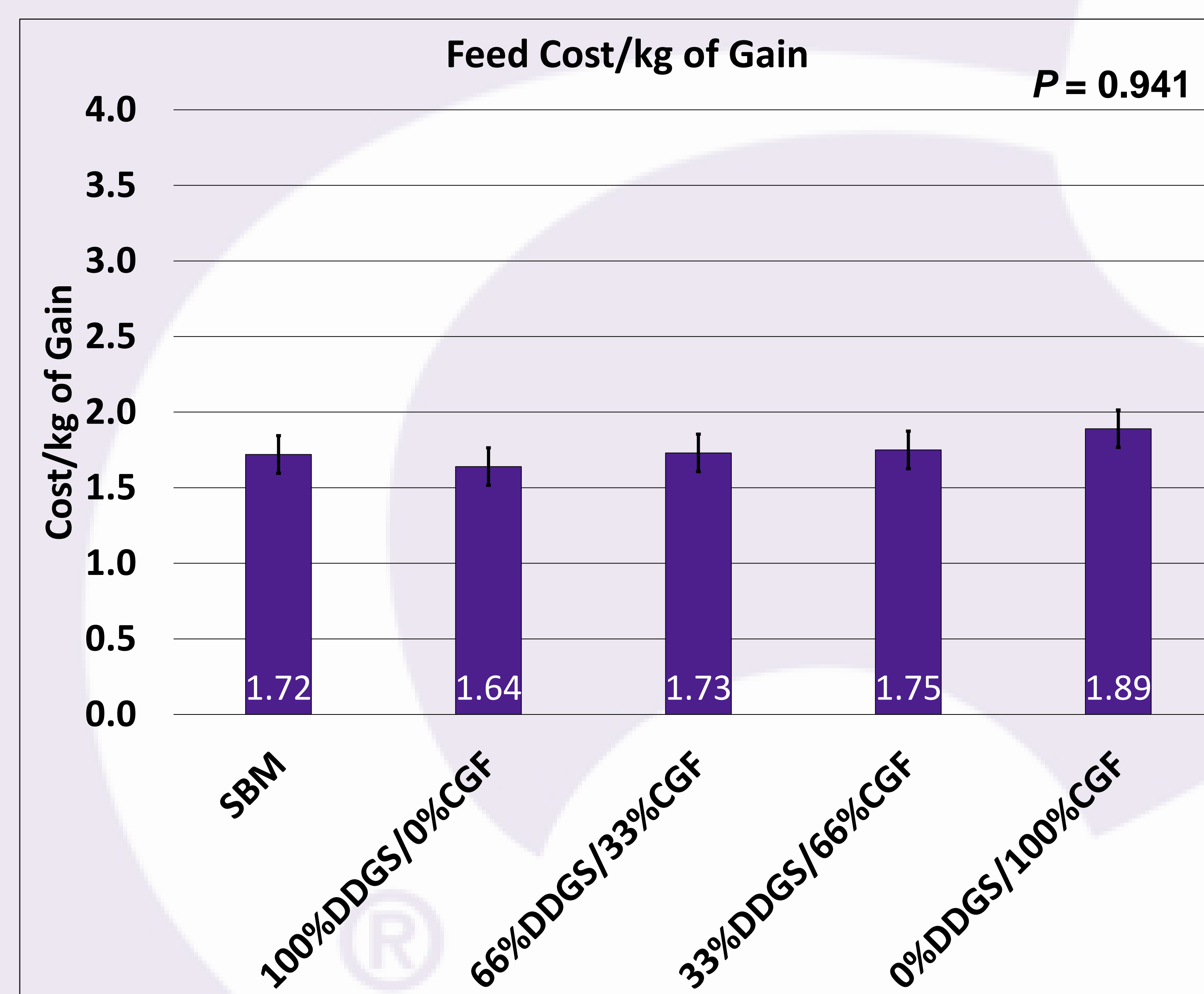
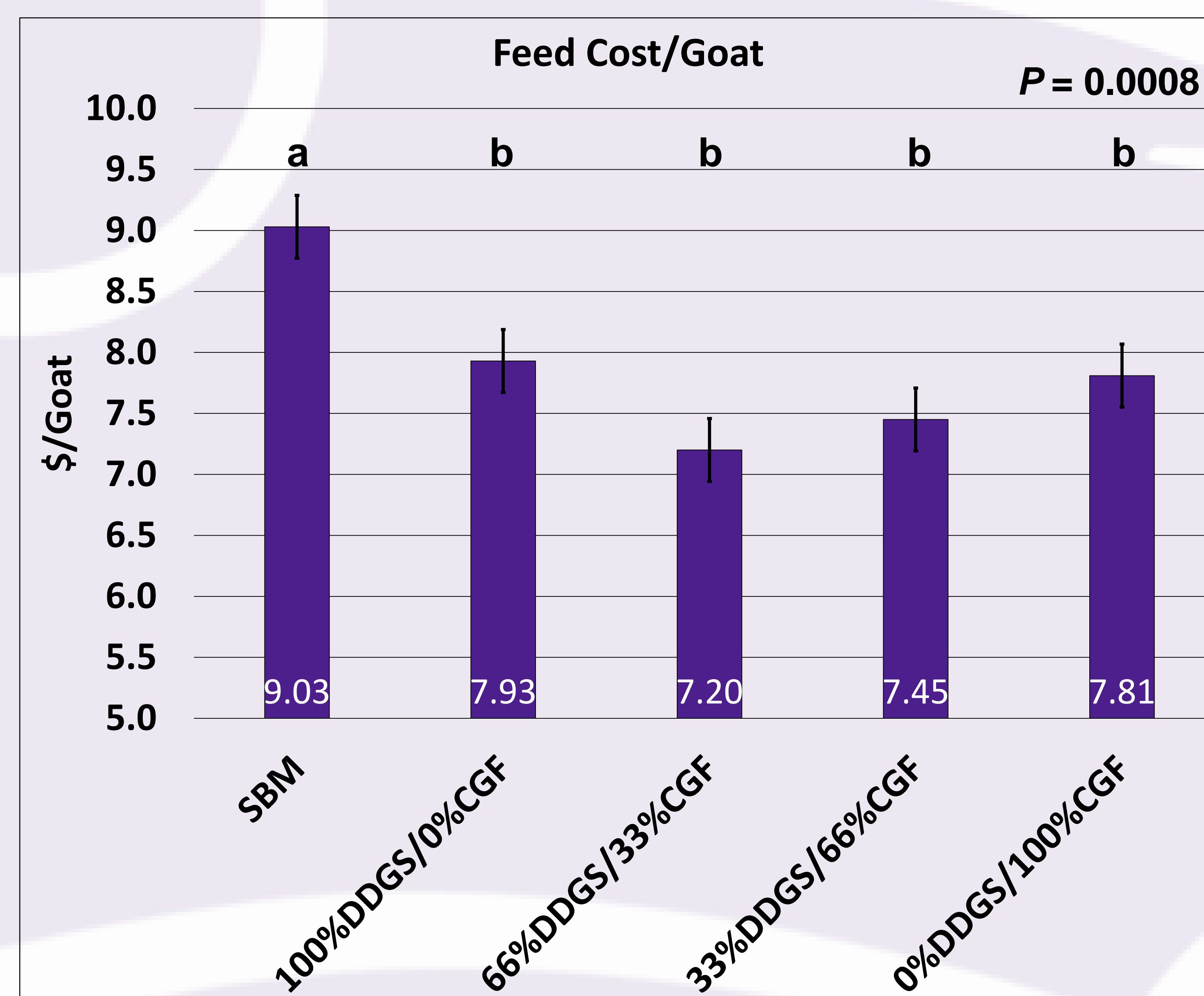
Objective

- To evaluate whether dried distillers' grains with solubles (DDGS) or corn gluten feed (CGF) could replace soybean meal (SBM) in Boer-type growing goat diets.

Materials and Methods

- Experiment duration: 35 d
- Quantity: 75 Boer-type goats
- Age of goats: about 70 d
- Starting BW: 26.9±0.2kg.
- Design: Completely randomized
- Experimental unit: per pen (three goats per pen)
- Treatments: 1) 100%CGF/0%DDGS, 2) 66%CGF/33%DDGS, 3) 33%CGF/66%DDGS, 4) 0%CGF/100%DDGS
- Control: Soybean meal
- Treatments were isocaloric and isonitrogenous
- Repetition: five pens per treatment
- Data: Average Daily Gain (ADG), Average Daily Feed Intake (ADFI), G:F, Feed Cost/goat, Feed Cost/kg of gain
- Weighed goats and feeders weekly
- Weighed-out feed as added throughout week
- Analyzed by GLIMMIX procedure of SAS (v. 9.4, Cary, NC)
- Acceptable alpha value: 0.05

Results



- ADG, ADFI, and G:F showed no significant difference ($P>0.05$)



Conclusion

- Corn co-products resulted in less feed cost per goat than those fed soybean meal.
- DDGS or CGF can replace SBM in Boer-type growing goat diets, due to being more economical.

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