# Effects of Evaluating DDGS as a Replacement for SBM in Boer Goat Grower Rations M. E. Marshall\*, A. R. Crane, J. M. Lattimer, and C.K. Jones

### Introduction

- Currently there is limited data available of DDGS as a replacement for SBM as a prote
- DDGS are highly available in the Midwest and the relatively inexpensive protein source com
- With the growing population of goats in k provides an opportunity to utilize a costresource.

### Objective

### To evaluate the efficacy of DDGS as a replacement for SBM in a Boer goat diet.

### Methods

- Forty-eight meat goat kids, approximately 70 d of age and weighing 28.2 kg were used in a completely randomized design.
- 3 kids per pen (4 pens per treatment)
- Diets consisted of:
- o 0% SBM replaced by DDGS.
- o 33% SBM replaced by DDGS
- o 66% SBM replaced by DDGS
- 100% SBM replaced by DDGS.
- Goats and feeders were weighted weekly to calculate ADG, ADFI, and G:F
- After 47 days, 2 goats per pen were slaughtered and carcass data was collected including hot carcass weight, carcass yield, loin eye area, loin eye depth, and body wall thickness
- The data was analyzed using GLIMMIX procedure of SAS with pen serving as the experimental unit.
- The model included effects of the level of DDGS with P-value  $\leq 0.05$  considered significant.



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- inclusion rate of DDGS.







### Conclusion

• There was no significant impact on carcass characteristics • Overall ADG and ADFI was not effected (*p*<0.05).

• Dietary treatment was found to have impacted G:F the greatest (*p*<0.001) • In summary the greatest impact on G:F was observed in goats fed diets with 66% or 100%

• DDGS could provide an opportunity to utilize a cost-effective resource for goat producers

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