

Can NexPro, Source of Corn and Yeast Protein, Replace RUP Soy Ingredients?

RESEARCH SUMMARY

Research from the University of Nebraska demonstrates that NexPro can successfully replace non-enzymatically browned soybean meal (NEB SBM) in dairy diets through greater milk production improving the income over feed cost for your operation.

BACKGROUND

NexPro, derived from the dry-milling ethanol production process, is a highly digestible source of rumen undegradable protein, energy, and inactive *Saccharomyces cerevisiae* yeast that are utilized to support increased milk production. Currently, no datum exists with feeding NexPro within dairy diets. To evaluate the product, increasing inclusions of NexPro (0%, 2.54%, 5.36%, 8%) replaced NEB SBM at a 1:1 rate in lactating Jersey cow diets.

RESULTS

Replacing NEB SBM with NexPro within the diet resulted in an increase in milk production and components (Figure 1). Based on current market value, improvements in performance equated to \$0.81 to \$1.78 per cow per day of additional income over feed cost compared to the NEB SBM treatment providing approximately \$300,000-\$500,000 per year for a 1000-head herd just by including NexPro within the ration (Figure 2).

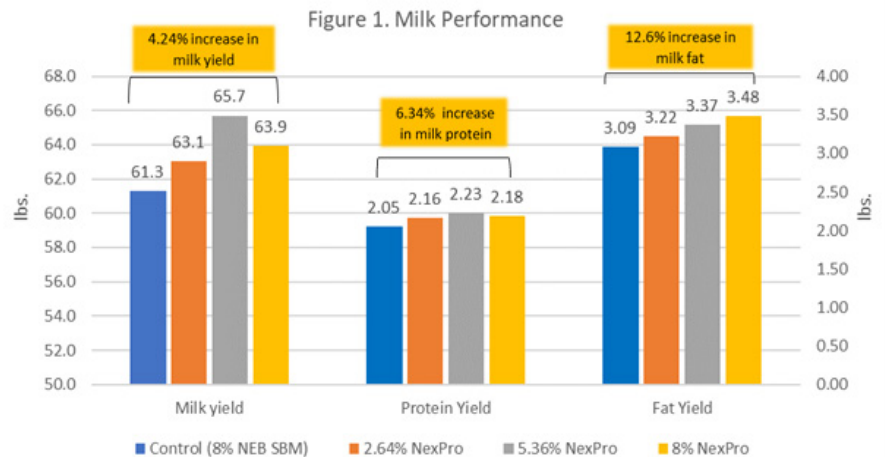
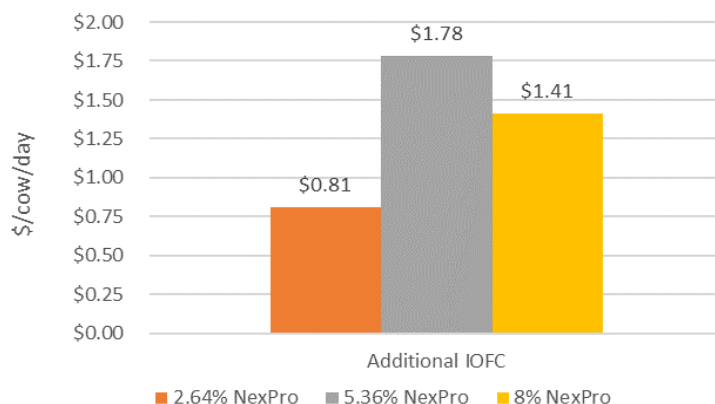


Figure 2. Income Over Feed Cost Compared to Control



CONCLUSION

NexPro can be utilized within dairy diets as a suitable rumen undegradable protein source. As a producer, having options for alternative protein sources during a time of increased global protein demand is key to providing success to your operation.

1. USDA Announcement of Class and Component Prices. June 30, 2021. CLS-0621
2. Diet costs were considered equivalent.

*These results are not a guarantee of nutritional value, as laboratory results are influenced by factors beyond the control of POET Nutrition.