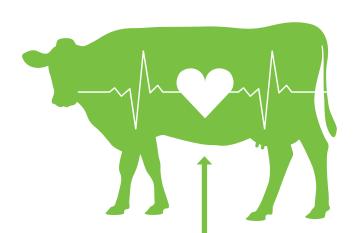
linPRO-R MEANS HEALTHIER COWS

Enriching cattle feed with **linPRO**-R mitigates inflammation in dairy cows

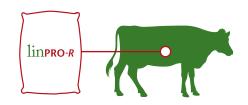


Increased expression of inflammatory cytokines, post-partum decreases productivity

Mastitis represents the most costly inflammatory disease within the dairy industry

Omega-3 fatty acids have anti-inflammatory properties

Mediating inflammatory response is shown to improve overall lactation performance



3 weeks pre-partum

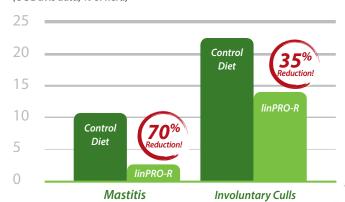
✓ 12-month study

Results

Expression of inflammatory cytokines¹ (Penn State data; fold change)



Health Events in dairy cattle ² (UC Davis data; % of herd)



IMPROVED HERD HEALTH

Feeding **linPRO-R** promotes anti-inflammatory state, which may contribute to reduced health events and involuntary culling rates.

- 1. Fetter, M., and T. Ott. 2017. Effect of an extruded flaxseed supplement on transition cow immune function and effects of a methane inhibitor on transition ovarian activity. Penn State University. Available at https://etda.libraries.psu.edu/catalog/13706mef5319
- Robinson, P., Swanepoel, N. 2017. Commercial trial: Influence of dietary inclusion of linPRO-R on animal health, performance and conception rates in early-lactating dairy cattle, and the subsequent economic impact. Unpublished. Oleet Processing Project Number OT16_13.





