SPECTRUM® Distinct

A DISTINCT blend of palmitic and oleic acids to maximize milk components and minimize body weight losses

The next-generation bypass fat supplement

Perdue AgriBusiness® is proud to introduce Spectrum Distinct™ as a next-generation bypass fat supplement. The latest research highlights the benefits of feeding individual fatty acids to dairy cows. Specifically, maintaining the palmitic to oleic acids ratio in supplements is important to optimize the yield of milk components and minimize body weight losses during early lactation. Spectrum Distinct is formulated to deliver a 60:30 combination of palmitic and oleic acids.

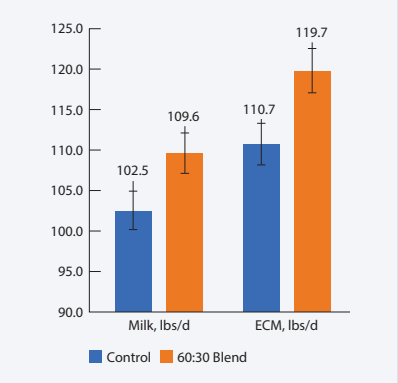
- Formulated to improve performance of early-lactation and high-performance animals
- Uniform particle size
- High-quality calcium salts with a high melting point
- Mix consistently in a base mix at the feed mill or in the TMR at the farm

Results[1]

Recent research demonstrates that a 60:30 blend of palmitic to oleic acids will

- Increase intake and the yield of milk and energy corrected milk in early lactation cows
- Reduce body weight loss in early lactation partially by how insulin metabolism is affected
- Improve milk fat yield throughout peak lactation even after supplementation stops
- Improved performance of mid-lactation cows producing more than 110 lbs of milk compared to other fatty acids supplements

Research Proven



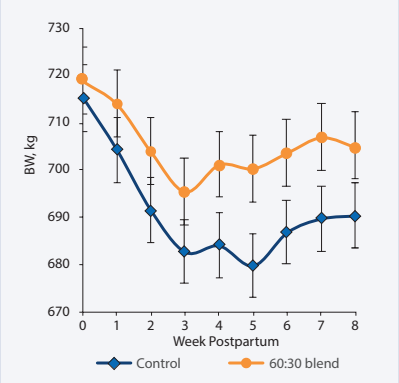


Fig 1: Compared to a control diet, feeding a 60:30 blend of palmitic and oleic acids increased yield of milk and energy-corrected milk and decreased body weight loss ($P < 0.05$; adapted from de Souza et al. 2021. J. Dairy Sci. 104:2896–2909).

References
de Souza et al. 2019. J. Dairy Sci. 102:9842–9856
Western et al. 2020. J. Dairy Sci. 103:11472–11482
de Souza et al. 2021. J. Dairy Sci. 104:2896–2909
de Souza et al. 2021. J. Dairy Sci. 104:2910–2923

6906 Zion Church Rd., Salisbury, MD 21804

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