

PROPEL®

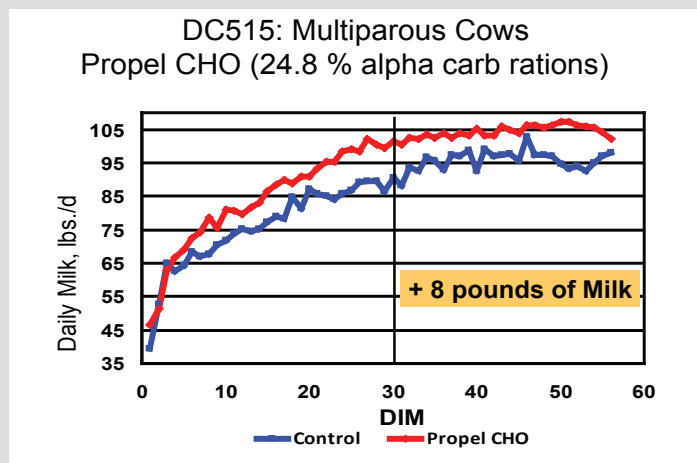
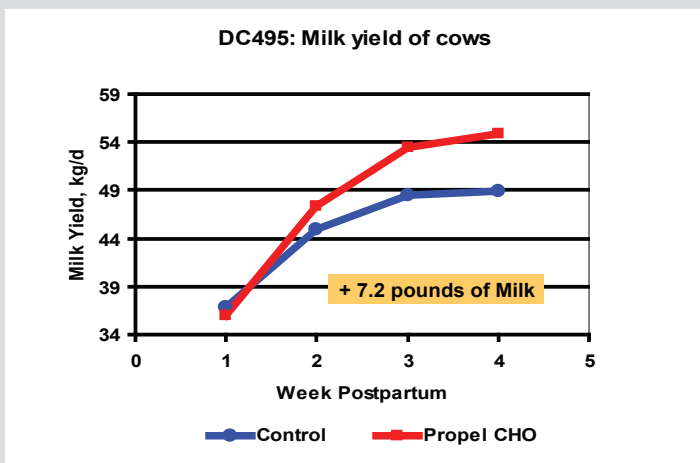
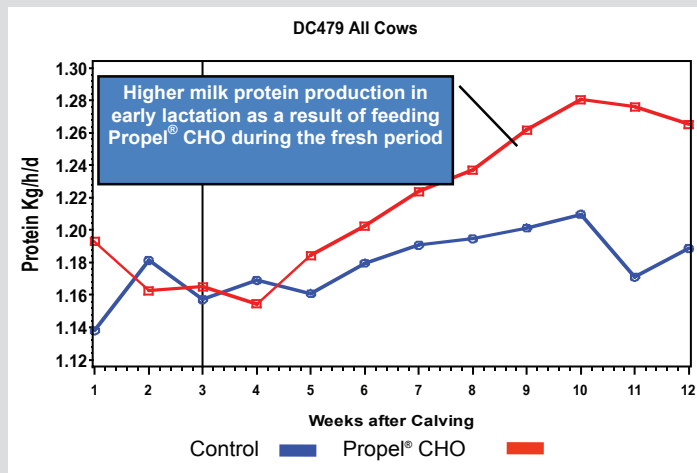
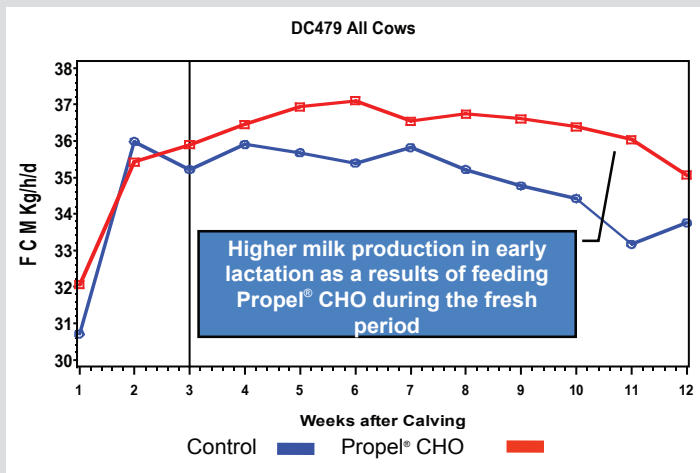
CHO TRANSITION

Fresh Cow Technology for Higher Peaks, Greater Intake, and Increased Milk and Component Yields

Propel® CHO Transition is a starch technology product that when fed to fresh cows from calving to 30 days post-fresh, continues to improve performance through 9-12 weeks of lactation. Anytime energy balance is compromised, Propel® CHO Transition has a place in the ration. Feed 3-5 lbs. per cow per day to replace corn.

Propel® CHO Transition technology allows the nutritionist to adjust starch feeding to fresh cows, and helps optimize microbial protein synthesis...Getting the rumen off to a fast start allows cows to get off to a fast start.

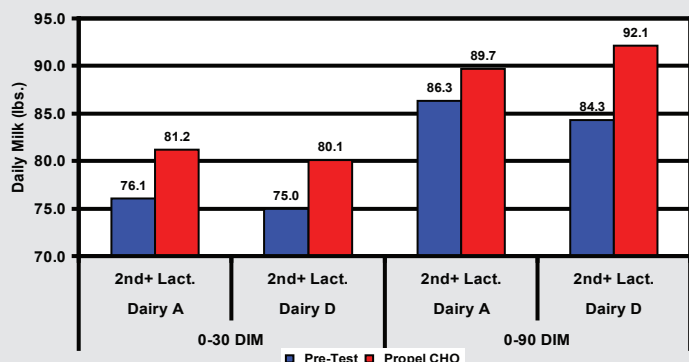
Research Trial Results: Increased Fat Corrected Milk and More Milk Protein Yield



Field Trial Results: Increased Milk 0-90 Days; Average +5.6 lbs. Per Cow

Purina Animal Nutrition conducted a field trial on two large dairies near Roswell, NM. Cows on each dairy were fed a post-fresh TMR ration of corn silage, alfalfa hay, steam flaked corn, protein supplement and 5 lbs. of Propel[®] CHO transition for 15-20 days post fresh.

Propel[®] CHO Field Study Results NM
Early Lactation Milk - 2nd+ Lact.



Dairy A had 1,346 cows (563 1st calf) freshen during the 90 day evaluation period starting in October. Dairy B had 1,083 cows (245 1st calf) freshen during the 90 days evaluation period starting in June. Results are shown relative to their counterpart in the prior period. First calf heifers showed similar results to their counterparts.

Herd Manager Comments:

- "Cows Look Healthier"
- "180 Degree Turn Around in the Fresh Pen"
- "Cattle Look Fuller"
- "Not Beefing As Many Cows Out of Fresh Pen"

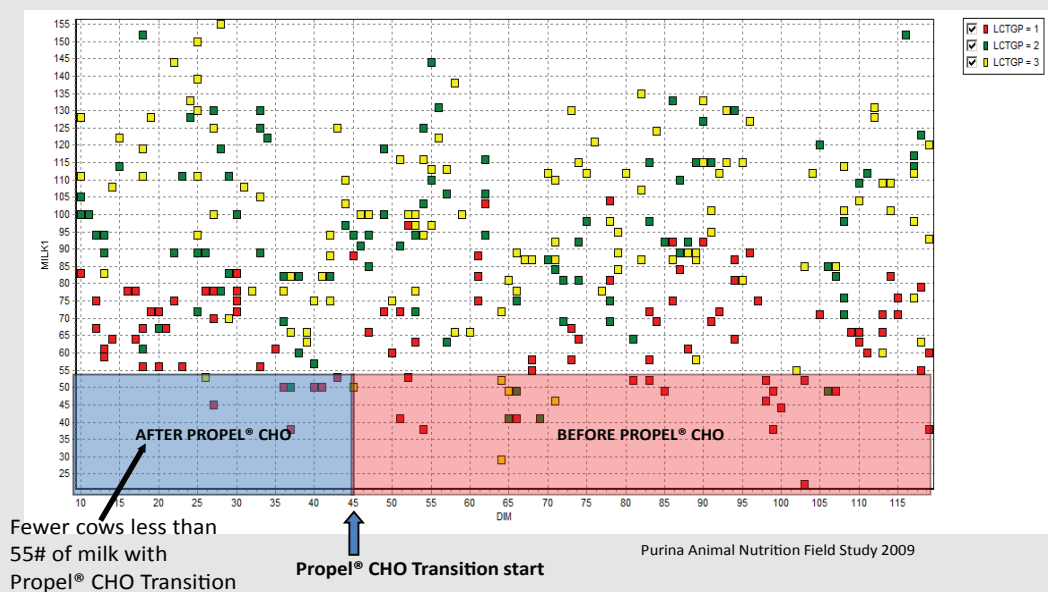
Field Study 1,000 Cow New York Dairy

Situation: Producer wanted stronger starts and was dealing with frequent overcrowding of the fresh pens

Feeding Change: Added 3 lbs. of Propel[®] CHO Transition as a replacement for 3 lbs. of corn in diet

Results: Fewer cows below 55 lbs. at 1st test on DairyComp 305[®]

DC305 1st test milk



Feed 3-5 lbs. per cow per day of Propel[®] CHO Transition per day to replace corn for up to 30 days post-fresh following the recommendations of your nutritionist.

Propel[®] CHO Transition Nutrient Specs (as fed)

DM	94%
M.E.	1.91 MCAL/lb.
N.E.L.	1.15 MCAL/lb.
Crude Protein	7.4%
Fat	18.5%
Starch	56%

