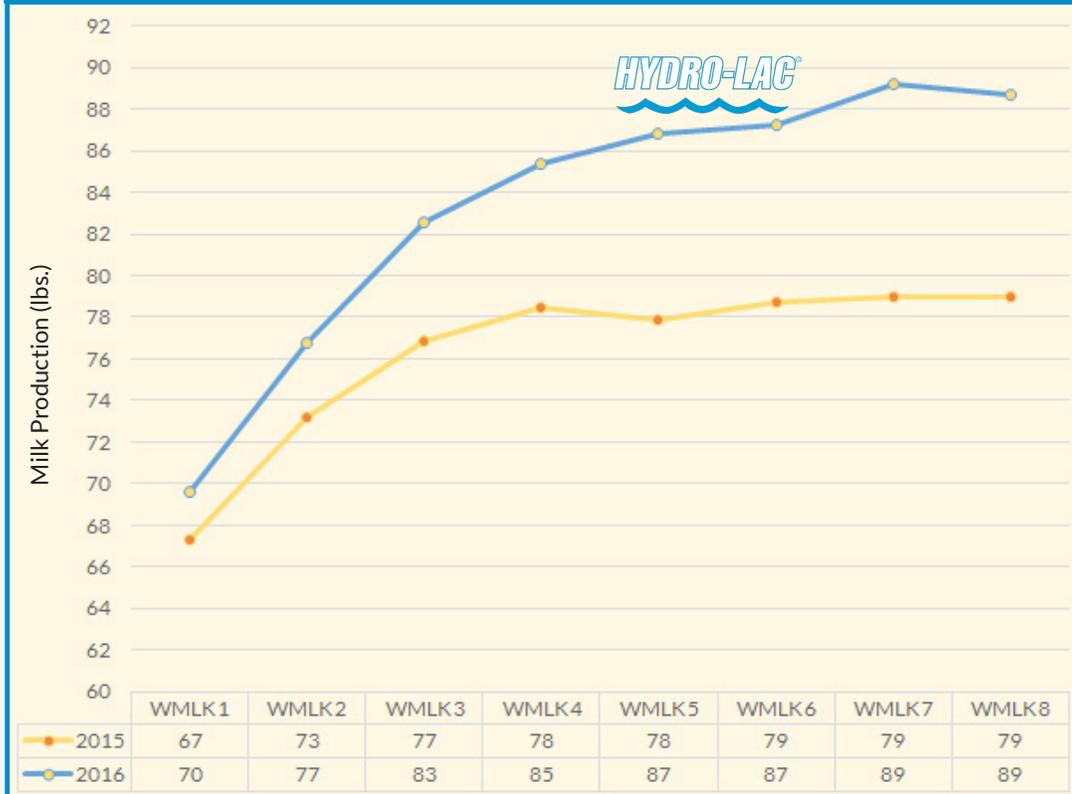


Hydration & Energy Support During The Fresh Period



HYDRO-LAC® FED TO FRESH COWS LEADS TO INCREASED MILK PRODUCTION



On July 20th, 2016, a 450-cow milk herd in central Minnesota started feeding Hydro-Lac to their fresh pen only. Cows entered this pen right after birth and were moved out of the pen between day 14 to 30. Nothing was changed in the diet except for the addition of .33 lbs. of Hydro-Lac. We compared all cows that calved from July 20 to Sept. 30th for both 2015 and 2016.



**The dairy recorded
a 7 lb. increase of
milk at week 4.**

Based on data summaries^{1,2}, for every 1 lb. of milk increase at week 4, there is the potential to increase overall milk production by 405 lbs. over the entire course of the lactation.

These cows have the potential of milking over 2,837 lbs. of milk more than the cows that calved during the same time in 2015.

This equals to an additional \$510 dollars of revenue per cow over the course of the lactation by feeding Hydro-Lac in the fresh cow ration.

INCREASE IN FIRST SERVICE CONCEPTION RATE

	10-1-14 to 4-1-15	4-1-15 to 10-1-15	10-1-15 to 4-1-16	4-1-16 to 10-1-16
% Conception Breed #1	43	34	37	39
% Conception Breed #2	39	35	33	38
% Conception Breed #3	36	28	36	30

Another benefit that was observed on this central Minnesota dairy farm was an increase in first service conception rate. When the dairy compared the entire summer of 2015 to 2016, the farm saw an increase in first service conception rate of 5%. By increasing the conception rate overall for the herd by 3 percent, you have the potential to increase pregnancy rate by 1.8%.

¹Kohls, D. et al., - FAF Report HL1501

²Kinches, T., Form-A-Feed Professional Dairy Conference 2017