

# F.A.R.M.E. Institute Homer, NY 2004



## Levucell<sup>®</sup> SC Rumen Specific Yeast

A 300 cow trial at F.A.R.M.E., NY, (2004) compared milk production and milk composition of high producing cows fed a Control diet; Levucell SC; and a Yeast Culture.

The milk cow ration consisted of corn silage, alfalfa and grass haylage, dry hay, cornmeal, soybean meal and a concentrate blend. Ration composition was formulated for approximately 18.2% CP, 40% UIP, 38% NFC, 4.3% fat, and 0.79 Mcal/lb NEI. Forage to concentrate ratio ranged from 50:50 to 52:48 during the study. Forages were about 46% corn silage, 21% grass silage, and 33% alfalfa silage on a DM basis.

All cows received the same base ration; the test products were mixed into individual loads daily. Daily milk production of individual cows was



recorded during the 56-day trial period. Milk from individual cows was sampled and analyzed for milk components by Dairy One Laboratory, NY, on weeks 0, 4, and 8 (trial end).

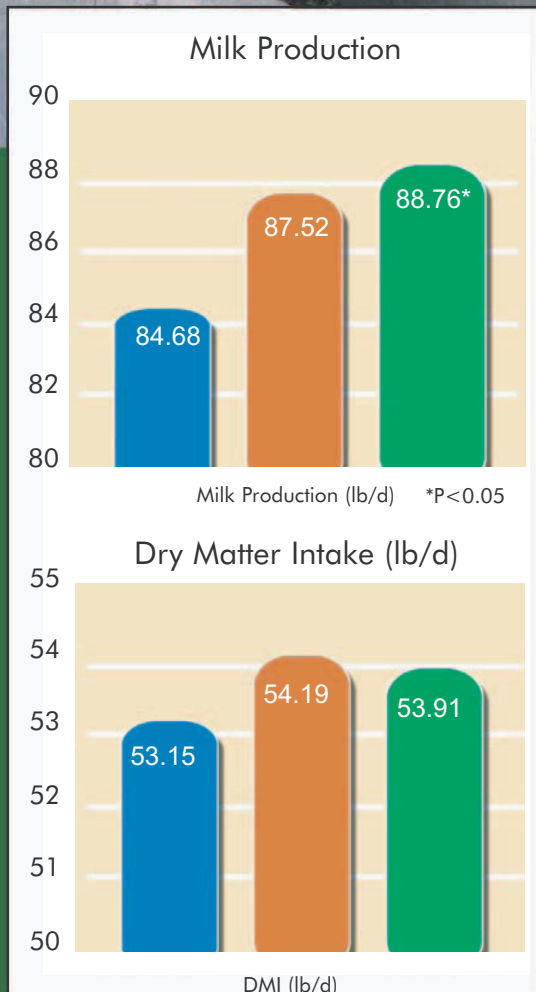
Results of the 8-week trial indicated that, relative to the Control, the **cows fed Levucell SC produced over 4 pounds more milk (P<.05) and had increased milk components.**

*Ration containing*

*Levucell SC rumen specific yeast significantly improved milk production.*



*...those fed Levucell SC diet outperformed....*



**Summary:**

Cows fed Levucell SC produced 4 pounds more milk than the Control. In addition to the increase in milk production, Levucell SC cows had the highest protein and fat yields. Overall, cows fed Levucell SC outperformed the Control and Yeast Culture treatments.

The increased milk yield with Levucell SC equates to an economic response of more than \$.50/hd/day\*. This represents approximately a 10:1 return on investment.

Treatment	Protein %	Protein lbs	Fat %	Fat lbs
Control	3.08	2.73	3.65	3.03
Levucell SC	3.11	3.02	3.65	3.26
Yeast Culture	3.09	2.91	3.65	3.17

\* Based on a \$13/cwt milk price