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Dairy Field Trial

Osterkamp Dairy Trial

- Matrix 10X 120 Day Dairy Trial
- Hereford, Texas-Summer 2017
- Matrix 10X was fed to 2,800 Holstein cows at 3g/hd/d and replaced both Diamond-V® XP Yeast and Nova-Cell®
- Ration consisted of corn silage, wheat silage, WCS, canola meal, CG feed, GR corn, SF corn, minerals, Megalac, buffer, Rumensin, One Trak and Matrix 10X
- At an average daily cost of 15 cents per head and a milk price of \$15 per cwt, addition of Matrix 10X resulted in a ROI of a 4:1 based on increased milk yield alone
- When taking into account the replacement of the other additives with Matrix 10X, the resulting ROI is over 8:1
- Additional economic value was also derived from a downward trend in the incidence of abortions

| PARAMETER | DAY 0 | DAY 120 | NET CHANGE | % CHANGE |
|--|-------|---------|------------|----------|
| Herd FCM, lbs | 79.0 | 83.0 | 4.0 | 5.1 |
| Stnd 150d FCM, lbs | 81.4 | 85.6 | 4.2 | 5.2 |
| % Milkfat | 3.28 | 3.61 | 0.33 | 10.0 |
| % Protein | 2.97 | 3.19 | 0.22 | 7.4 |
| FCM 1 st test cows, lbs | 94.0 | 100.0 | 6.0 | 6.4 |
| FCM 1 st test 1 st calf, lbs | 70.0 | 82.0 | 12.0 | 17.1 |
| SCC, 1000 | 216 | 205 | -11 | -5.1 |
| Daily DMI, lbs | 53 | 55 | 2 | 3.8 |
| Gross Effic, lbs FCM/lbs DMI | 1.49 | 1.51 | 0.02 | 1.3 |

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