

GLUCOSE BOOSTER TRIAL IN ARIZONA

Experimental design

GLUCOSE BOOSTER trial initiated by Dr. Ueli A. Zaugg, PhD, Tempe, AZ and carried out in Van Rijn Dairy, Higley, AZ

Well managed dairy involving 1600 cows, and experiencing some metabolic difficulties due to excessive heat in Summer...
(Symptoms of clinical and subclinical ketosis were prevalent)

- Control group: Cows that calved from 01/07/96 to 20/07/96
- Treatment group: Cows that calved from 10/08/96 to 27/08/96

Treatment cows received GLUCOSE BOOSTER (300 g./day/cow)
2-4 weeks before calving and 30 days after calving

Results

Observation by owner, herdsman, veterinarian and consulting nutritionist included:

| | Control | +GLUCOSE BOOSTER |
|-----------------------|---------|------------------|
| Number of cows | 86 | 85 |
| Ketosis | 8 | 4 |
| Displaced Abomasum | 8 | 1 |
| Milkfever | 2 | 4 |
| Died | 4 | 0 |
| Downers other reasons | 6 | 1 |

- Cows went on feed quickly after calving
- Cows had visibly **better body condition**
- Significant improvement **involted uterus**
- Fewer signs of subclinical ketosis**
- High increase in milk production**

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