

Efficacy of Oral Calcium Gel as Milk Fever Management

OBJECTIVE: The objective of this field trial was to determine the effect of oral calcium gel administered at the parturition on the incidence of Calving Related Disorder such as Milk fever, Retained Fetal membrane and metritis.

The clinical study was done at dairy farm in Meerapur in Meerut district in UP (India).

Farm Name	Variety of cow	Trial Period
Rajat Verma Dairy Farm	Kawari cow	May 2017

METHOD OF TRIAL:-

The study was conducted on a commercial dairy farm in west UP with 110 milking cow and milk average of 4380 kg per cow per year. Calving Related Disorders considered for this study were Milk fever, Retained Fetal membrane and metritis. Milk fever was diagnosed in any cow within 72 hours after parturition presented inappetance, Nervous symptoms and unconsciousness. If any cow develop Calving Related Disorder or Milk Fever, For good response oral calcium supplements are required.

45 Postpartum cows were selected at random and allocated to two different experimental groups. Group 1(Control) consisted of 18 cows receiving no treatment at parturition. Group 2(Treated) consisted of 27 cows receiving 300 ml Calcium gel by oral route at the first sign of calving to support normal Parturition and reduce the chances of Milk fever and associated complication.

OBSERVATION TABLE:-

S.No.	Disorder	Control	Treated
1.	Milk Fever (%)	1.3	0.0
2.	Retained Fetal Membrane (%)	28.8	22.8
3.	Metritis (%)	51.9	49.4

CONCLUSION:-

Through this trial we demonstrated that cows supplemented with calcium at calving reduces the chances of milk fever and associated complications.

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RECOMMENDED USAGE:-

- Regular use - Administer one bottle at the first sign of calving to support normal parturition and reduce the chances of milk fever and associated complications.
- Milk Fever management – Administer one bottle post parturition by oral route, repeat after 24 hrs, if required.

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