Redmond First Month

Reduces newborn calf mortality rates and improves immune health*

Nature has it right™

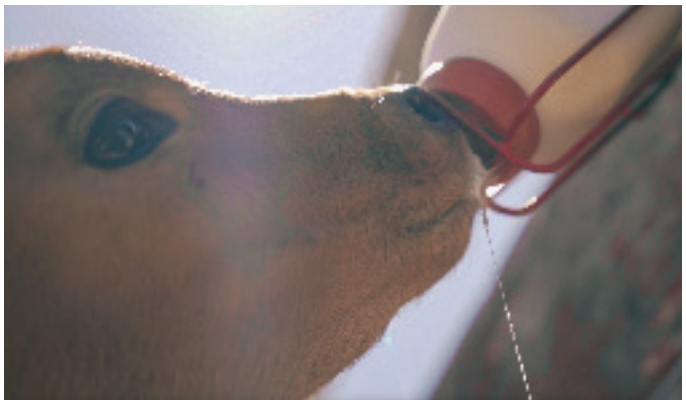
Since the 1950s, thousands of customers and millions of animals have used Redmond Minerals and never looked back. Switching to Redmond is a small shift that makes a huge difference.

Objective

The objective of this study was to measure the effect of smectite clay (found in Redmond First Month) supplementation on passive transfer immunity and health of pre-weaned dairy calves.

Procedures

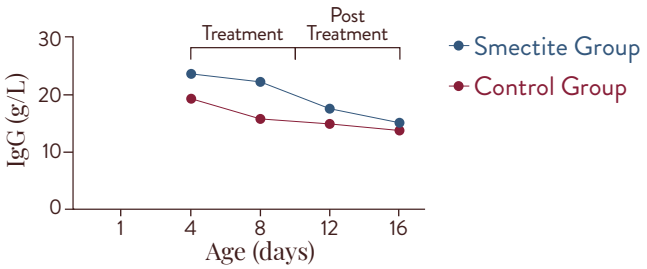
- This study was conducted by the UC Davis school of Veterinary Medicine in Nov/Dec 2019.
- Jersey and Holstein calves were divided evenly into a Smectite Group and Control Group.
- The Smectite group was given an oral supplement of smectite clay paste and water for 10 days, after day 1.
- The Control group was given an oral supplement of water for 10 days, after day 1.
- Both groups received 6 liters of colostrum within first 24 hours after birth.
- Both groups were given antibiotic doses as needed due to illness.
- Data collected: Immunoglobulin (IgG) levels, mortality losses, antibiotic doses administered, and blood serum mineral levels.



Results

Mortality / Antibiotics	Smectite	Control
Mortality (death losses)	3	8
Antibiotic Doses Needed	23	34

IgG Levels Over Time



Blood Minerals (mmol/L)	Smectite	Control
Calcium (Ca)	3.17	2.77
Copper (Cu)	1.30	1.18
Iron (Fe)	4.47	4.50
Magnesium (Mg)	1.00	0.85
Phosphorus (P)	3.14	2.82
Potassium (K)	6.42	5.93
Sodium (Na)	159.23	141.41
Zinc (Zn)	1.58	1.35

*Data Source: UC Davis School of Veterinary Medicine

Conclusion

The smectite clay found in Redmond First Month, reduced death losses and antibiotic usage over the control group. Smectite clay also increased immunoglobulin and mineral levels in the blood compared to the control group.

- Smectite clay supplementation reduced newborn calf death losses by 63%.
- Smectite clay supplementation improved immune health and blood mineral levels over the control group.

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