BiOPRO

HIGH PERFORMANCE PROBIOTICS

SUPERSTART

Pre calving supplement

Formulated to be fed for 16-18 days prior to calving
80 Billion cfu's per 250gram dose

The BiOPRO SuperStart lead feed program has been formulated to assist in the key herd health parameters associated with the calving stage and early lactation of dairy cows.

Approximately 80% of disease costs in adult cows occur in the first 4 weeks post calving, so transitioning the cow in a smooth and trouble-free way is imperative.

Each daily dose of BioPro SuperStart Lead Feed formula contains over 80 billion cfu's of probiotics (including 5 strains of beneficial bacteria, 5 digestive enzymes and active dry live yeast) delivered daily in a professionally formulated and highly palatable anionic salt, vitamin and mineral blend.

BioPro SuperStart contains very high levels of probiotics that may assist in:

- Improve Immune function
- Stimulating appetite
- Enhance enzymatic breakdown of feed
- Increase fibre digestion
- Increase dry matter intake
- Improve GI tract efficiency

Plus a professionally formulated anionic salt, vitamin/mineral blend formulated to assist:

- Reduction of milk fever
- Lower incidence of RFMs
- Reduced cases of LDAs
- Fewer assisted calvings
- Improved calf vigour and vitality

BioPro SuperStart also includes a Mycotxin Binder

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SUPERSTART CHECK LIST

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1. Cows willingly consume SuperStart lead feed

The Superstart has aniseed aromatic compounds, sweeteners and appetite drivers that assure reliable intake of the SuperStart leadfeed.

2. Cows hay consumption will be higher than normal

This is due to increased appetite and stimulation of fibre digesting bacteria in the rumen from the yeast along with increased enzymatic actions from the 5 strain digestive enzyme pack in the formula.

3. Cows will stay on feed up until point of calving

This is especially important as most cows go off feed 24 to 48 hours prior to calving, resulting in a lack of dry matter intake. This leads to a drop in energy at the crucial point of calving stage, which in turn is one of the main drivers of several related metabolic disorders associated with calving.

4. Cows have more energy at point of calving, resulting in minimal assisted calvings

This is a direct result of points 2 and 3, more energy to push the calf.

5. Very few retained foetal membranes and associated complications

With increased appetite and digestibility and uptake of the anionic salts and probiotics in the SuperStart farmers report very minimal RFM's and other associated problems at calving.

6. Cows will be back onto feed sooner after calving.

Because cows are consuming more hay and staying on feed up until point of calving, they will calve down with more capacity. Linked with a strong appetite, they will have the ability to go straight back on to feed. This is important for driving early milk production with minimal issues.

7. Minimal to no LDA's

This is due to increased dry matter intake up to point of calving. Together with increased digestibility there is more access to energy and less non esterified fatty acids mobilised, resulting in minimal ketosis and associated metabolic issues.

8. Minimal to no milk fever

With a fully balanced anionic salt blend formulated into theSuperStart, along with increased appetite driving uptake of the SuperStart lead feed, there will be minimal milk fevers.

9. Cows will respond to milk fever treatments more efficiently

Usually one treatment is needed with the cow back on track very quickly. Cows that do get milk fever will tend to be an older cow or one that has not been consuming the supplement because of being bullied off the trough or not being brought in early enough.

10. Less mastitis

There are very high levels of "protected" Probiotic bacteria formulated into SuperStart. These bacteria are protected through the rumen and come to life in the lower GI tract. Here they proliferate, doubling in the mucous lining of the lower GI tract every 20 to 30 minutes. This process allows for beneficial bacteria proliferation that out competes potential pathogens and is also well documented to modulate immune function in mammals.

11. Mastitis cases will respond very quickly to treatments

With efficient digestive processes and lower GI tract seeding with high levels of rumen protected bacteria, a cow will have an elevated immune function, allowing the cows natural immune defences to be more efficient and assist in healing mastitis even when treatments are required.

12. Heifers will have more trouble free calving

Linked to above points.

13. Cows transition on to strong milk flow very effectively

All linked to staying on feed to point of calving, calving down with capacity and higher energy levels with reduced metabolic complications.

14. Minimal ketosis, with significantly less metabolic disorders across the herd that continue into early stages of lactation

Once again all linked to above points. For every clinical case of an LDA, RFM, milk fever or mastitis, there will be a substantial group of subclinical cows that holds back effective transition to milk flow in the herd. By substantially reducing these disorders, and subsequent decreases in subclinical cases, this will assist in early trouble free milk flow and production, resulting in a much healthier herd in early lactation.

15. Cows cycle earlier with improved fertility

With reduced RFM's, milk fever and ketosis there will be fewer cases of metritis and fertility related disorders, resulting in fewer services per cow.

16. Improved quality of colostrum

Directly linked to improved immune function within the cow.

17. Significantly reduced vet bills.

Linked to above points.

18. Stronger, healthier calves on ground

With more energy at point in calving, cows calve quickly with less stress resulting in a healthy, stronger calf.

For optimal results allow 16 to 18 days on SuperStart lead feed.

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