Bó start

The Seaweed based and Only Fresh Cow Supplement Range that:

Improves Ca Status
7x Reduction in Milk Fever Cases

+

Supports Immune Response
Quicker Uterine Recovery

+

Improves Energy Status
Cows maintain higher body condition

+

Increases Milk Production
+ 1.7 – +2.0kg/day Milk Production

For The Best Start
Use Bó Start

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BIOAVAILABLE CA + MG FROM SEAWEED

Bó start

7x A recent Meta-analysis of Bó Start research studies found that Bó Start supplementation significantly reduces the risk of clinical milk fever by a factor of 7 (P<0.05) Study 1

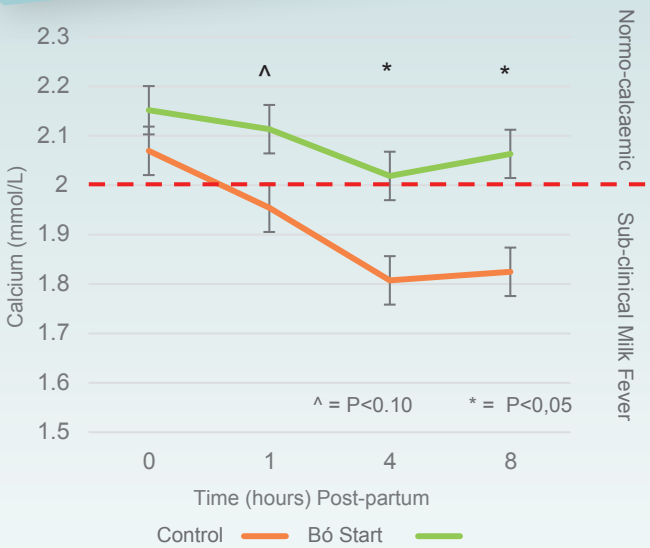
CALCIUM STATUS

A recently published study into the effect of Bó Start supplementation in older at-risk freshly calved cows shows that cows supplemented with Bó Start maintained higher blood calcium levels compared to un-supplemented Control cows (P<0.05). Study 2

Milk Fever Incidence	CON	Bó Start
Age at calving (Lactations)	4.7	4.7
Prev. Lact. 305d Yield (Kg)	8,711	8,956
Clinical Milk Fever Incidence	15.7%	0%

In this study 40% of cows were 6th lactation and older at calving and herd production was at 50% above the national herd average, with age and higher production levels recognised as 2 key risk factors for Milk Fever.

Studies 3 & 4



The results showed that Bó Start supplemented cows remained in the normo-calcaemic range (>2.0mM/L) at 1 hour, 4 hours and 8 hours post partum, whereas non-supplemented cows dropped into the sub-clinical range (>1.5mM/l and <2.0mM/L) within an hour of calving and remained there.

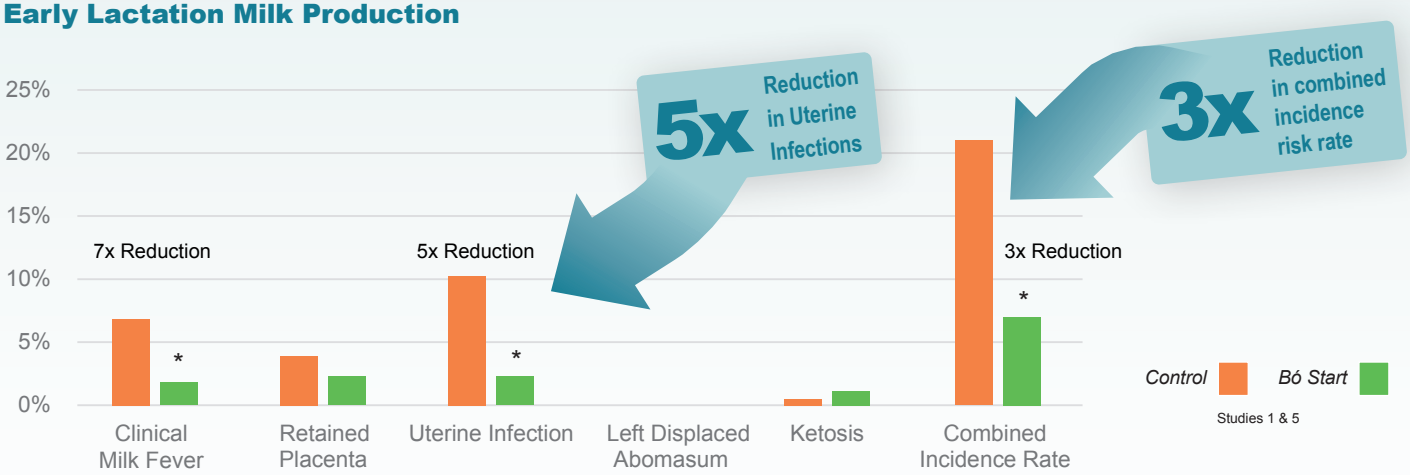
METABOLIC ISSUES

A recent meta-analytical review of 4 years of Bó Start research on over 450 cows has demonstrated the role that Bó Start has played in reducing the risk of a range of the key metabolic issues in freshly calved cows.

Bó Start supports the cow's immune response by improving her calcium and energy status in combination with providing high levels of rumen protected Selenium and Vit E in order to boost her anti-oxidant status.

The combined incidence risk rate (including clinical milk fever cases) drops by a factor of 3 for Bó Start supplemented cows (P<0.05). There is a significant reduction in the risk of uterine infections by a factor of 5 (P<0.05) as well as numerical reduction of the risk of retained placenta by a factor of 2.

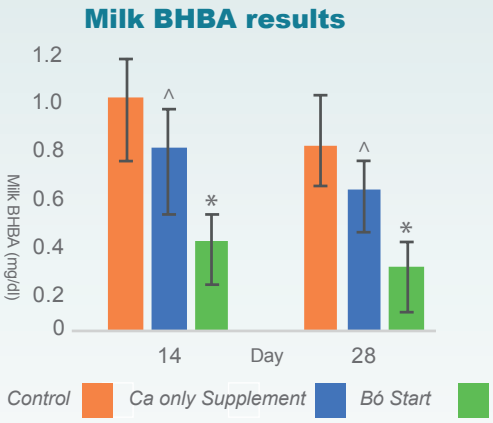
Early Lactation Milk Production



Studies 1 & 5

ENERGY STATUS

Cows store energy in adipose fat tissue reserves, easily seen in cows with higher condition scores. In early lactation in response to negative energy balance cows mobilise this energy reserve by breaking down this fat in the liver, a process that creates ketones, such as Beta Hydroxy Butyrate (BHBA). A higher level of BHBA indicates the cow is breaking down more of her fat reserves. A lower circulating BHBA level is preferable as it indicates a cow in better energy status.



The Bó Start groups have consistently shown significantly lower milk (BHBA) scores, indicating better energy status. This leads to less body weight loss (fig 1) and quicker body condition score recovery early in lactation (fig 2).[Studies 6&7]

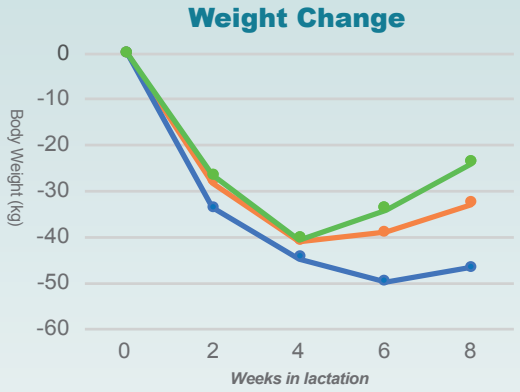


Fig 1. Bó Start cow group shows lower levels of body weight loss by week 4 in lactation and higher levels of body weight recovery by week 8 in lactation, compared to Control and Ca only Supplement.

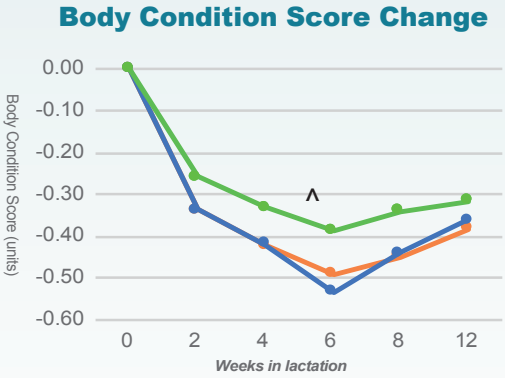
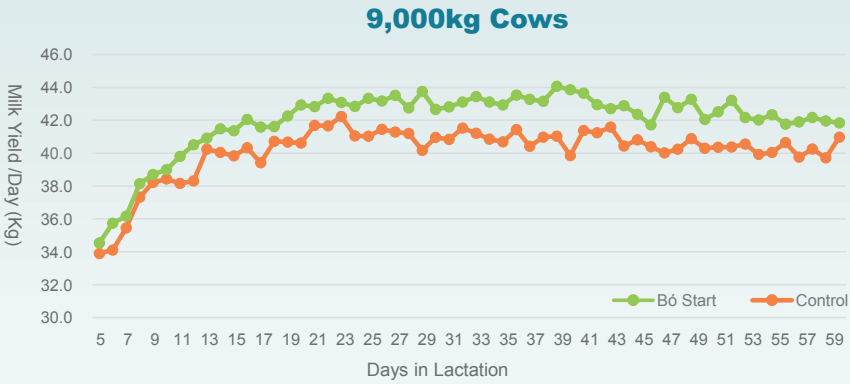


Fig 2. Bó Start cow group shows lower levels of body condition loss from week 2 in lactation through to week 12 in lactation, compared to Control and Ca only Supplement

MILK PRODUCTION

A meta-analytical review of Bó Start research shows that no matter the production system (from 6,000kg grass based, 9,000kg mixed and up to 12,000kg intensive indoor production) Bó Start consistently increases milk production by ~4% over the full lactation.

The research results also show a consistent increase in Kgs of milk fat and protein and some studies have shown an increase in milk Fat%.

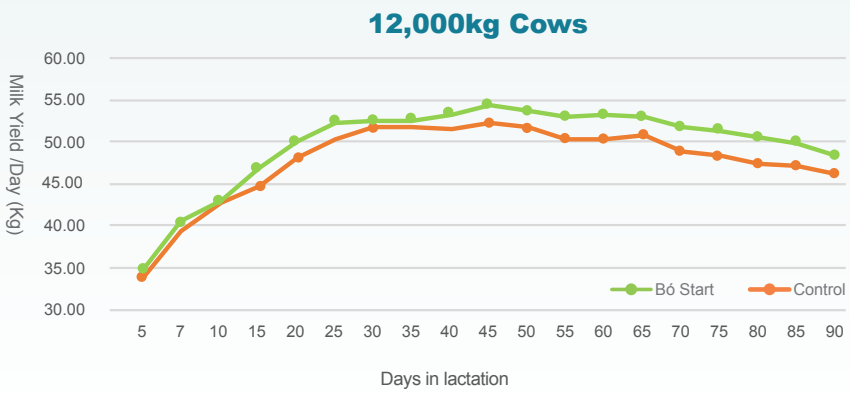


Study 2

MORE MILK
+1.7kg Milk/day (ns)
+1.8kg ECM/day (P<0.10)

MORE FAT
+0.11% Fat (ns)
+0.10kg Fat/day (P<0.05)

BETTER COMPONENTS
+0.13kg Fat and Protein/day (P<0.10)



Study 8

MORE MILK
+2.2kg Milk/day (D5 – d90) (P<0.05)
+2.0kg Milk/day 305d (P = 0.11)

MORE FAT
+0.23% Fat (P=0.13)
+0.19kg Fat/day

BETTER COMPONENTS
+87kg Fat and Protein at end of lactation

Bó start

4G OF PHOSPHOROUS

To support Phosphorus status of the cow post calving

50% MORE CALCIUM

than other boluses
60g Calcium per dose

SEAWEED

Utilising unique seaweed ingredient naturally rich in fully bio-available Calcium and Magnesium

BIOAVAILABLE CA + MG FROM SEAWEED

VITAMIN D3

40,000iu of Vitamin D3 to aid calcium absorption from the small intestine

6G OF MAGNESIUM

unique rumen soluble Mg source to enhance Calcium absorption

IMMUNE RESPONSE

Bó Start supports the cow's immune response by providing high levels of rumen protected Selenium and Vitamin E.

RESEARCH

Four peer-reviewed research papers

Available as bolus or powdered drink mix

RESEARCH REFERENCES

Study 1: Fahey, A., Lawlor. J., Bó Start Research Meta-analysis, 2022

Study 2: Lawlor et al., "Effect of Cow Start Bolus Supplementation on Early Lactation Health and Performance Indicators in a Group of Older, At-Risk Dairy Cows", Animal and Veterinary Sciences, 9(5): 134-140. 2021

Study 3: Goff JP, Horst RL. Oral Administration of Calcium Salts for Treatment of Hypocalcaemia in Cattle. *Journal of Dairy Science* 1993; 76(1), 101-108

Study 4: Rossi et al, "Effects of a supplemental calcareous marine algae bolus on blood calcium concentration in dairy heifers", *Journal of Animal and Feed Sciences*, 2022

Study 5: Spears JW1, Weiss WP. Role of antioxidants and trace elements in health and immunity of transition dairy cows. *Vet J.* 2008 Apr;176(1):70-6.

Study 6: J. Lawlor, A. Fahey, E. Neville, A. Stack, and F. Mulligan, "On-farm Safety and Efficacy Trial of Cow Start Calcium Bolus," *Anim. Vet. Sci.*, vol. 7, no. 6, pp. 121–126, 2019.

Study 7: Lawlor, J., Fahey, A., Neville, E., Stack, A., and Mulligan, F. "Effect of Cow Start Calcium Bolus on Metabolic Status and Milk Production in Early Lactation", *Anim Vet Sci.*, vol. 8, no. 6, pp. 124-132, 2020.

Study 8: Lawlor, J. Fahey A.. "Effect of Cow Start Supplementation on health, fertility and production performance of extremely high production Holstein cows" Anchor Life Science White Paper, 2020

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