



farmatan[®] D

solution for high efficiency protein utilization

Feed additive based on chestnut tannins with

10 Years

of application on European, USA, African and Asian dairy farms

Balanced combination of hydrolysable tannins from sweet chestnut with essential oils of cinnamon and cloves and organic zinc



Tannin-protein complexes are less degradable in rumen and passing to intestine in the form of bypass protein
 Tannin-essential oils complex decrease ruminal proteolytic bacteria population inducing lower protein degradation rate in rumen and higher undegradable protein flow to intestine

Resulting in:

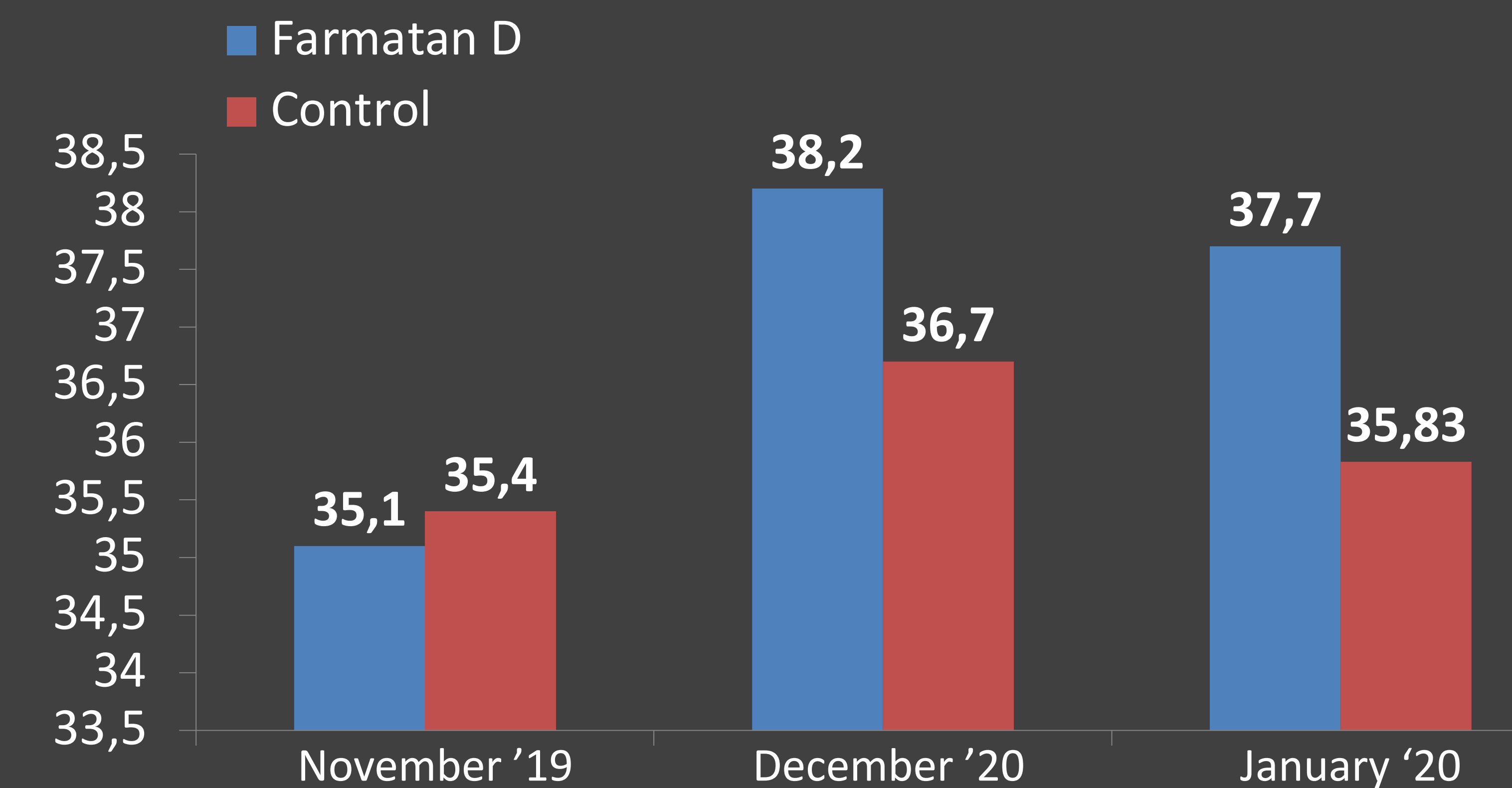
- higher milk production 5-7%
- NH₃ (ammonia) decrease up to 21%
- CH₄ (methane) decrease 13-30%

Higher utilization of feed proteins in the presence of Farmatan D enables safe protein % reduction in ration for lactating dairy cows

Antioxidative and antiketogenic effect of Farmatan D used in close-up period contributes to higher IgG in colostrum.

Strong antioxidant and antimicrobial effects of tannin-essential oils mix results in Somatic Cell Count decrease up to 30%

Milk production increase from 0.7 to 2L

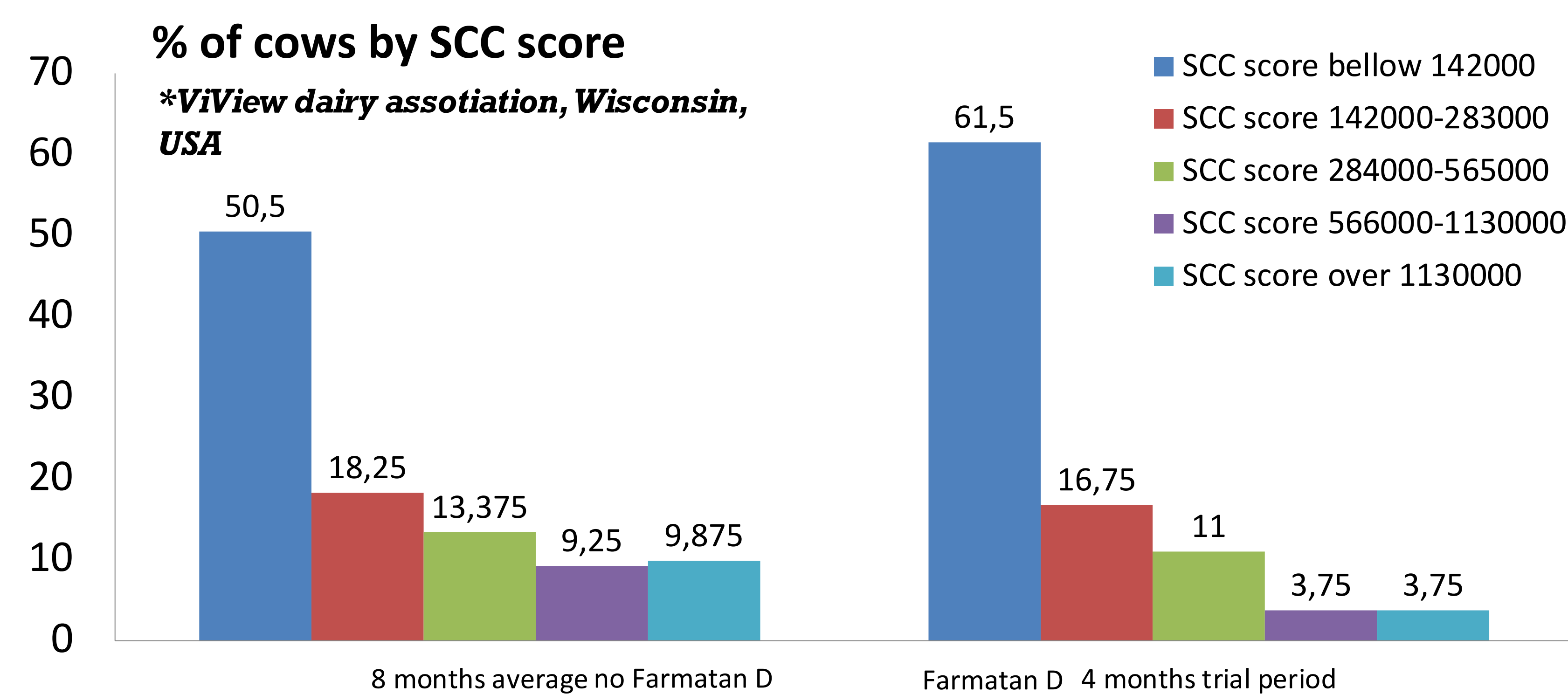


*LaLa Dairy Complex Thereon, Mexico

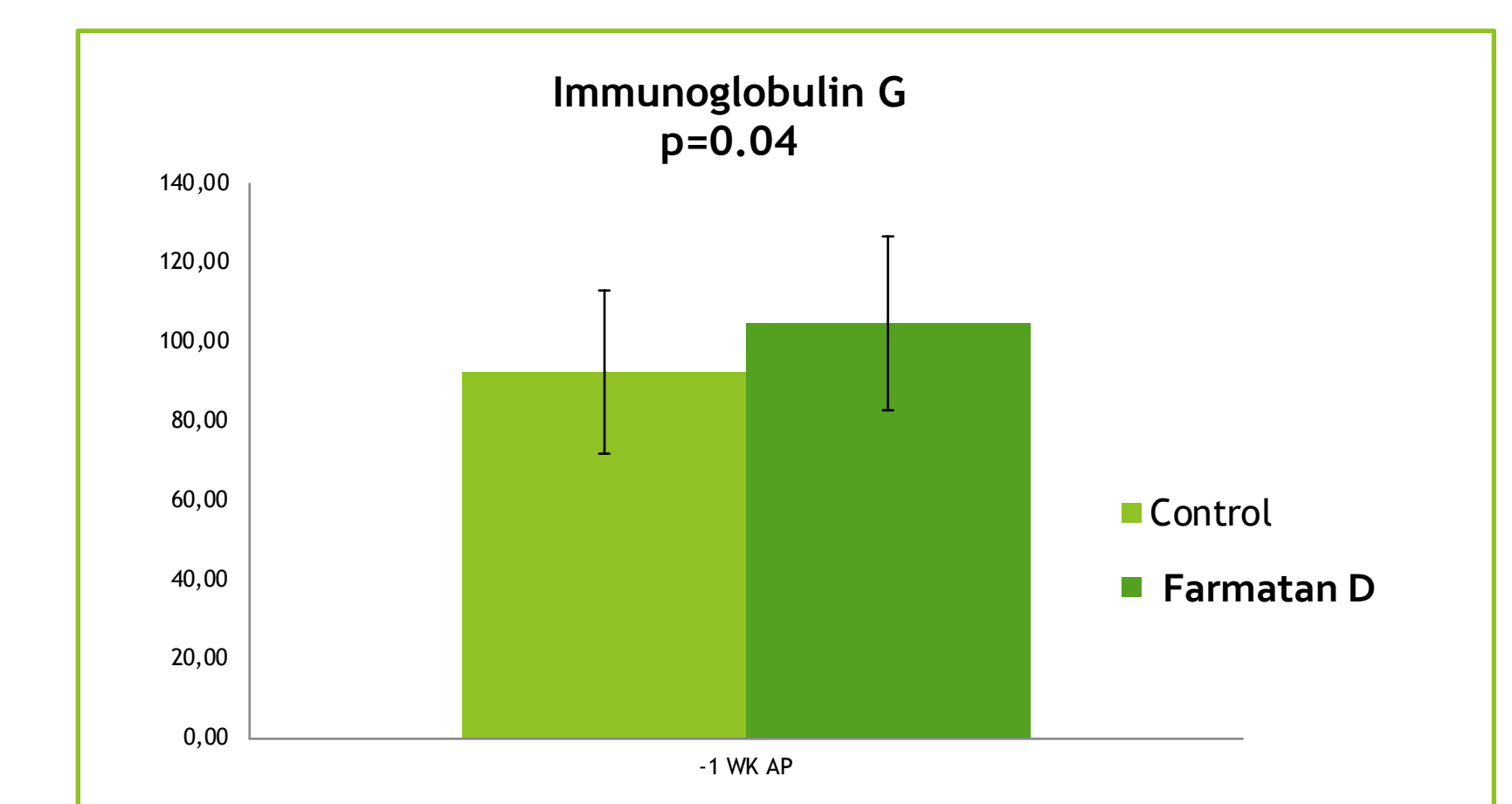
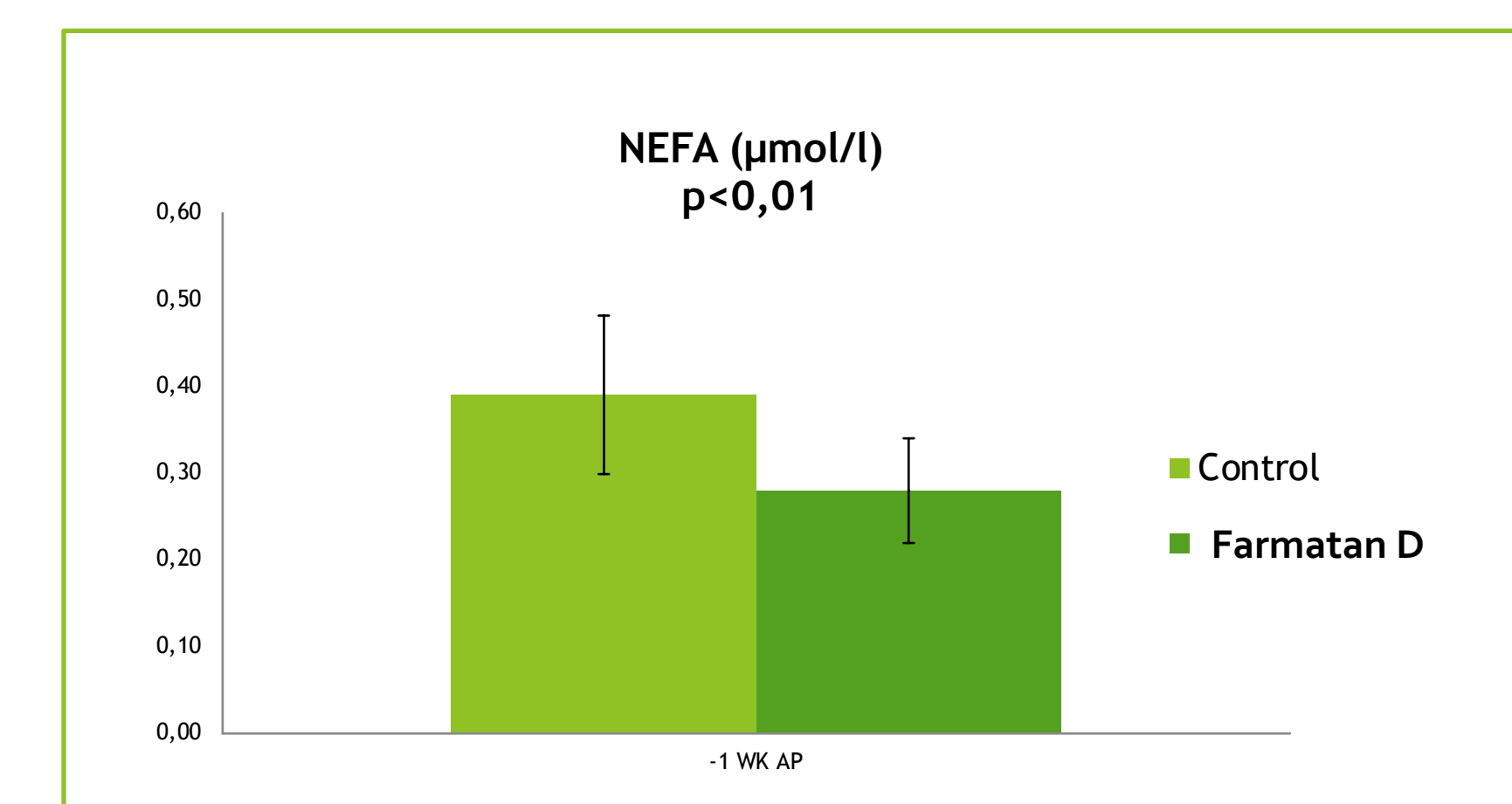
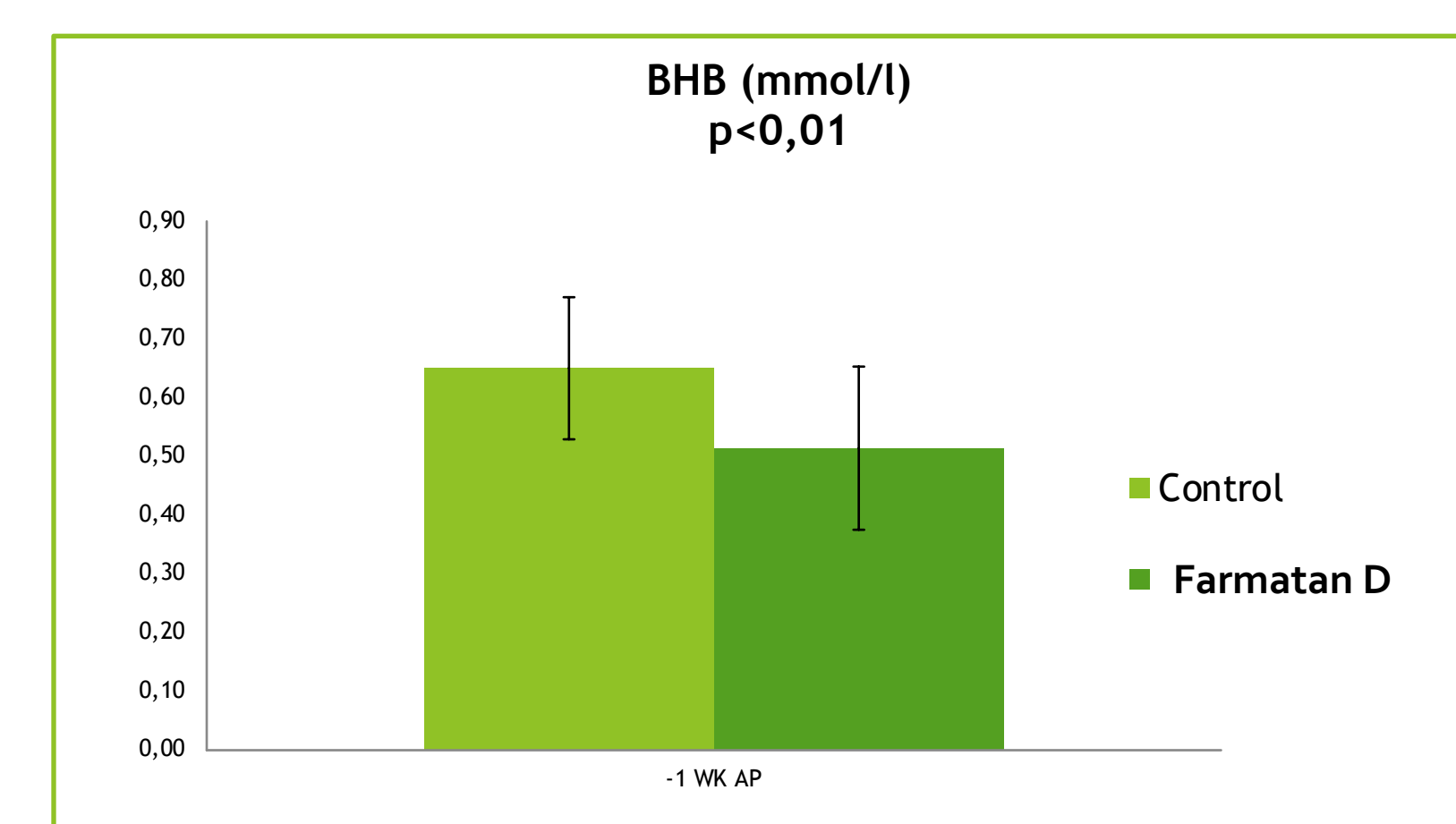
Cows fed with Farmatan D (20g/head/day) 21 days before calving had significantly:

- lower values for blood BHB, NEFA and urea;
- higher values for blood glucose and total antioxidative capacity

Prodanovic et al., "Effects of chestnut tannins supplementation of prepartum moderate yielding dairy cows on metabolic health, antioxidant and colostrum indices." *Annals of Animal Science* 21.2 (2021): 609-621.



Farmatan D was fed to cows in close up period.
 BHB – beta hydroxybutyrate
 NEFA – non-esterified fatty acids



farmatan[®] D 40g/COW/DAY
CAN REPLACE
 0.6kg SBM (44% CP) 0.75kg Rapeseed meal (37% CP)