



# farmatan<sup>®</sup> D

solution for high efficiency protein utilization

Complementary

feed  
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

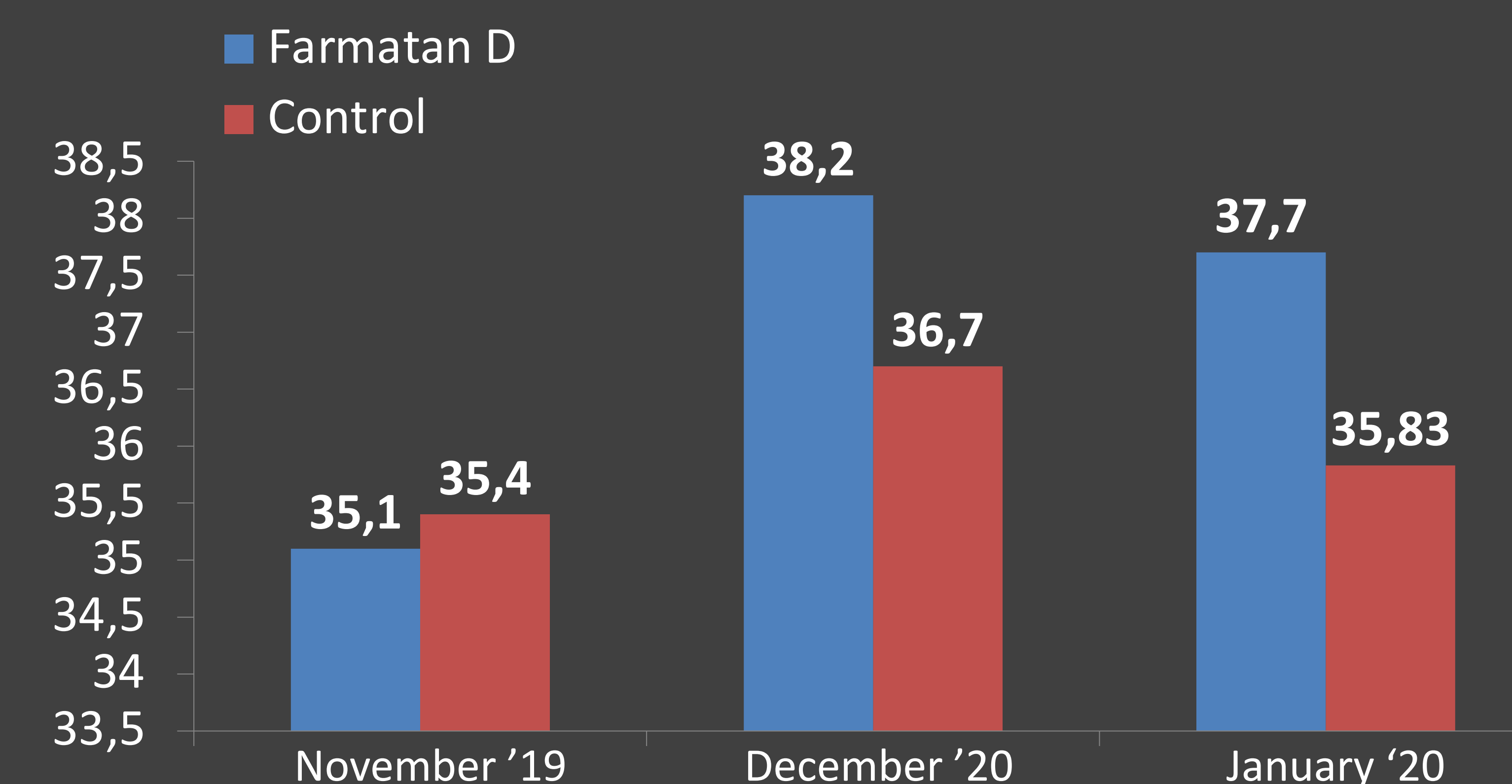
## Resulting in:

- higher milk production 5-7%
- NH<sub>3</sub> (ammonia) decrease up to 21%
- CH<sub>4</sub> (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.

## Milk production increase from 0.7 to 2L

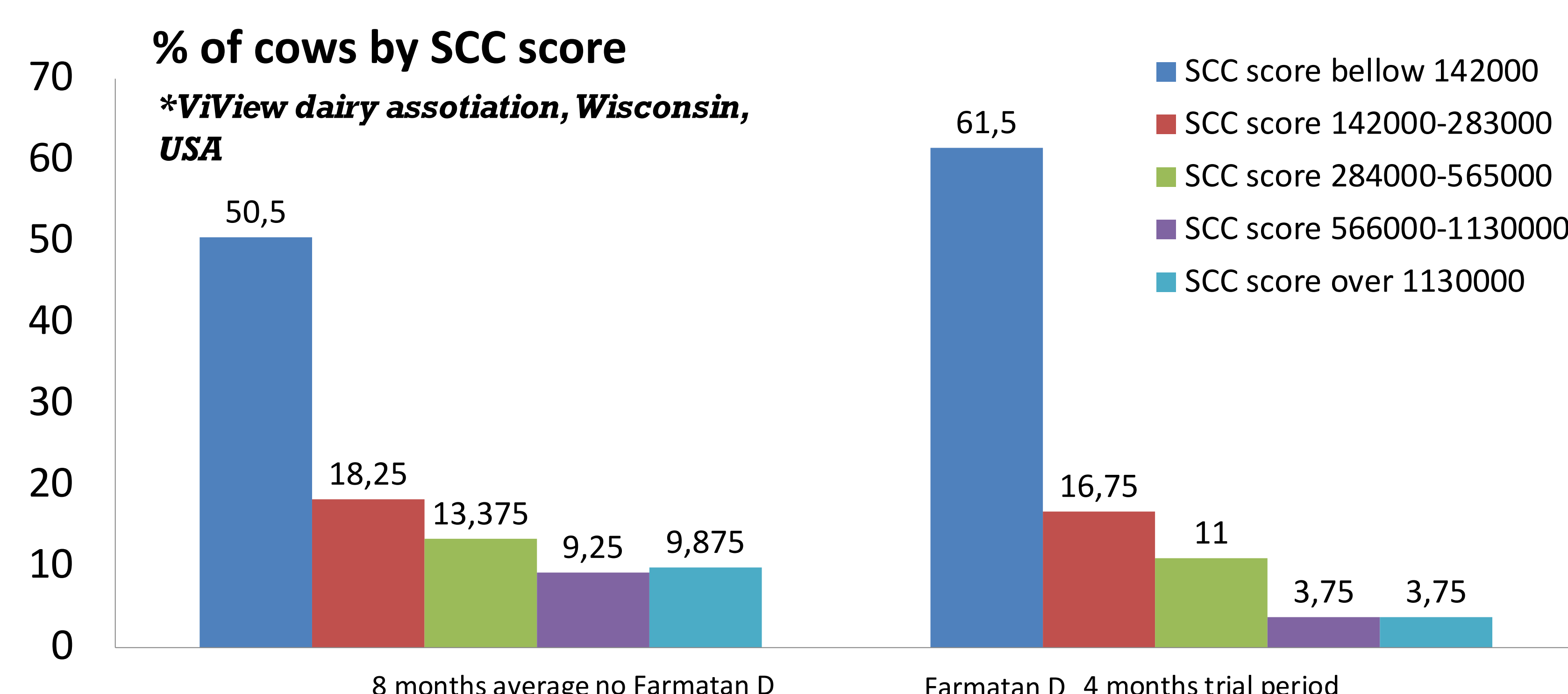


\*LaLa Dairy Complex Thereon, Mexico

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.



## % of cows by SCC score

\*ViView dairy association, Wisconsin, USA

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

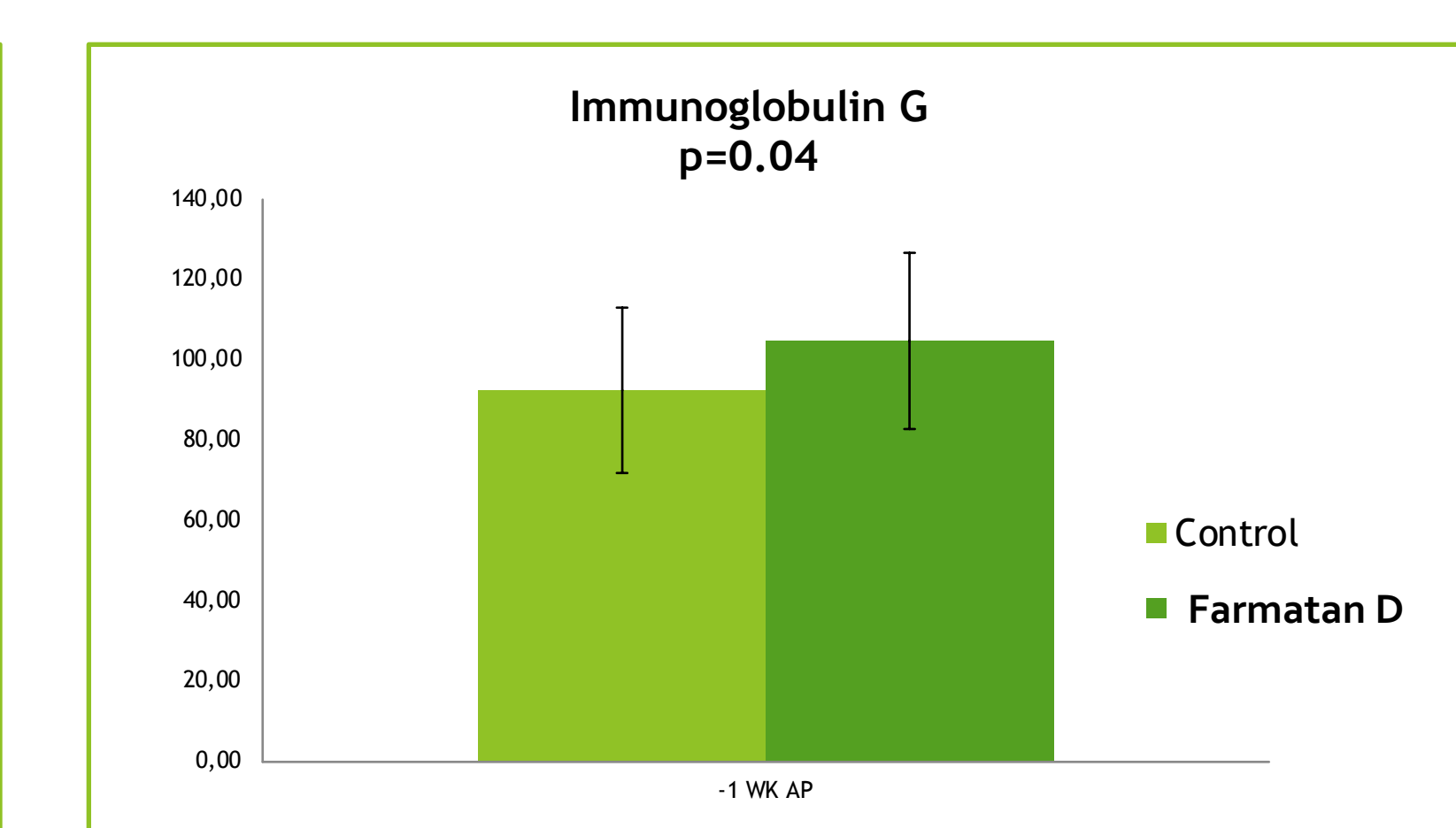
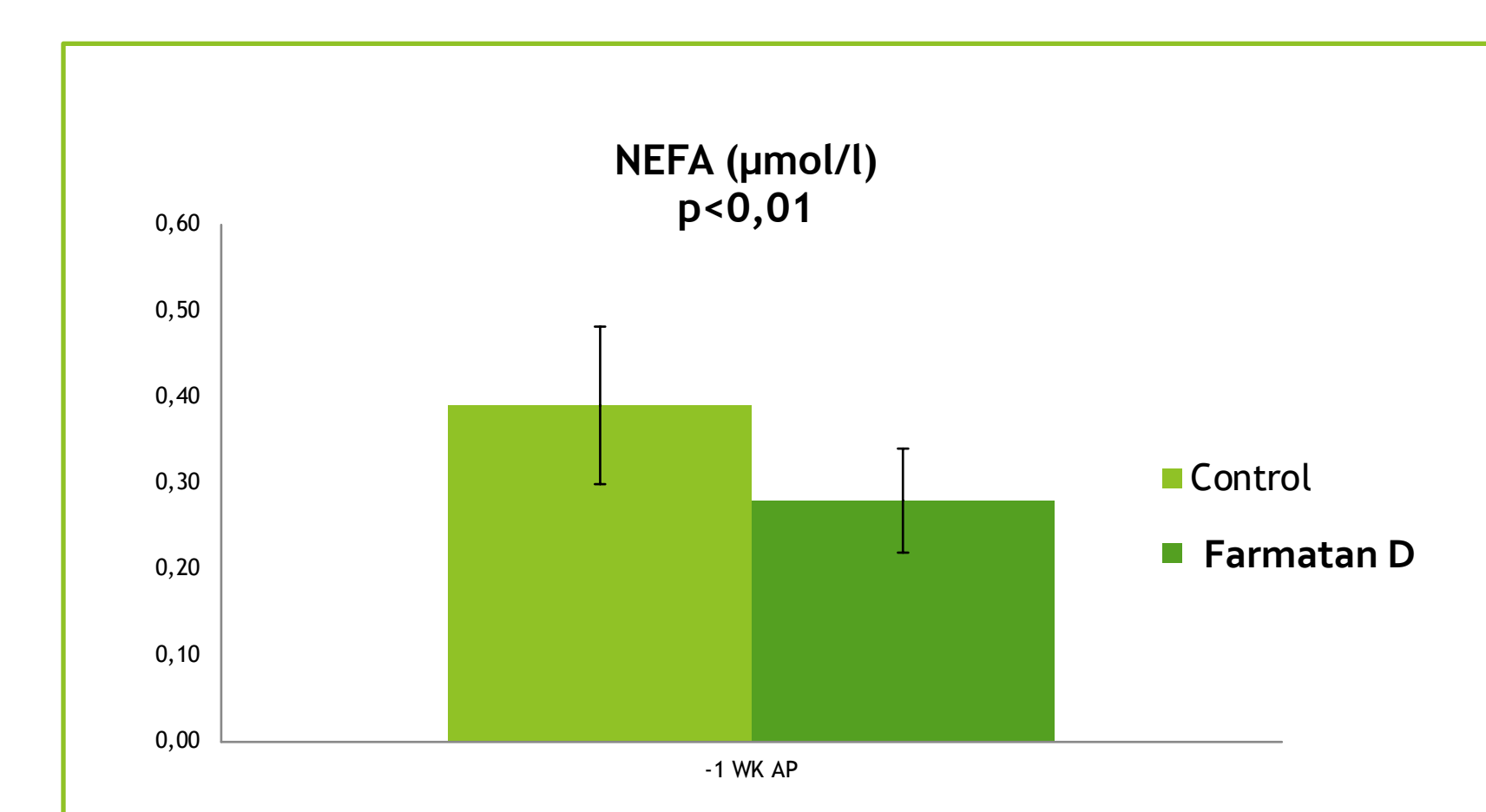
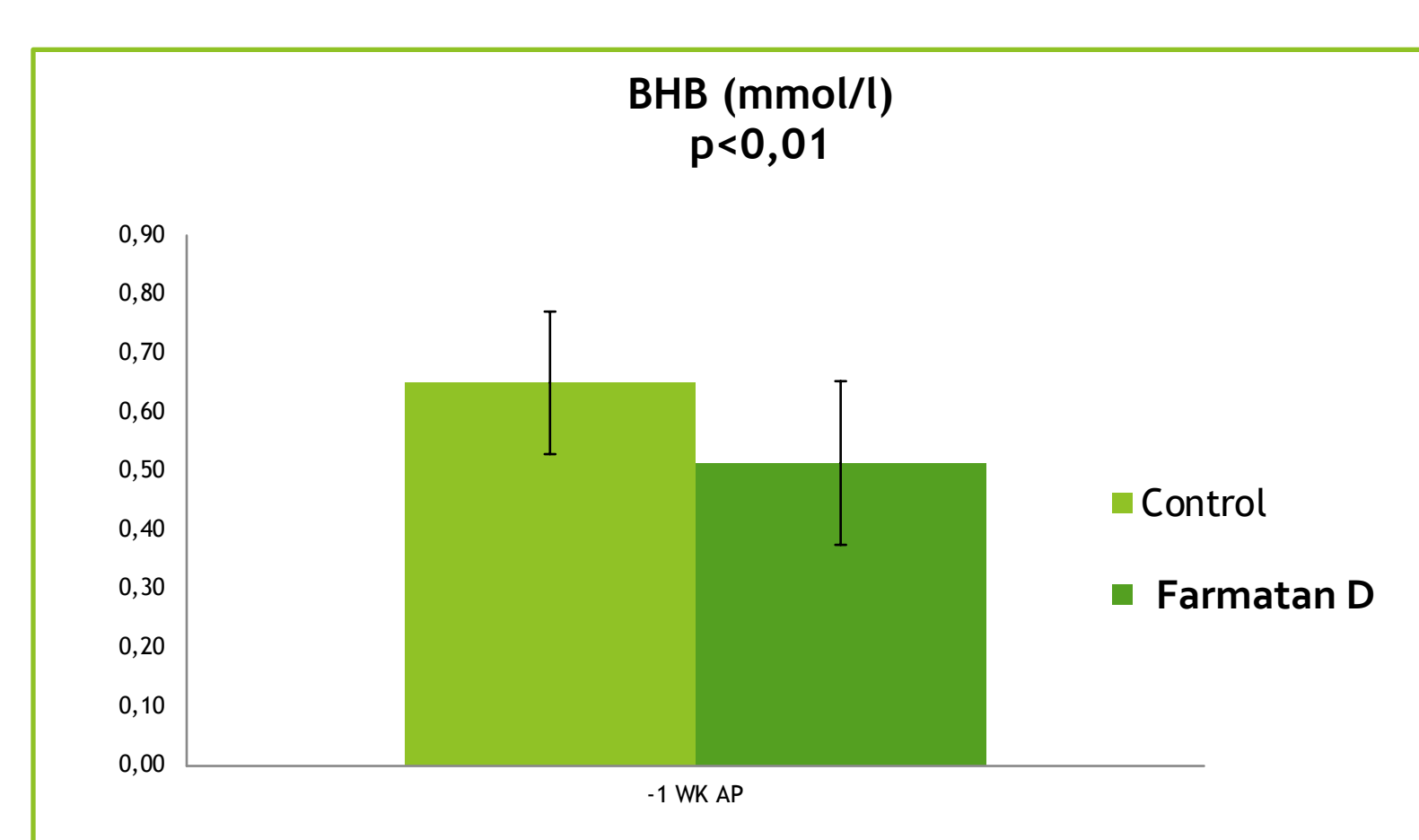
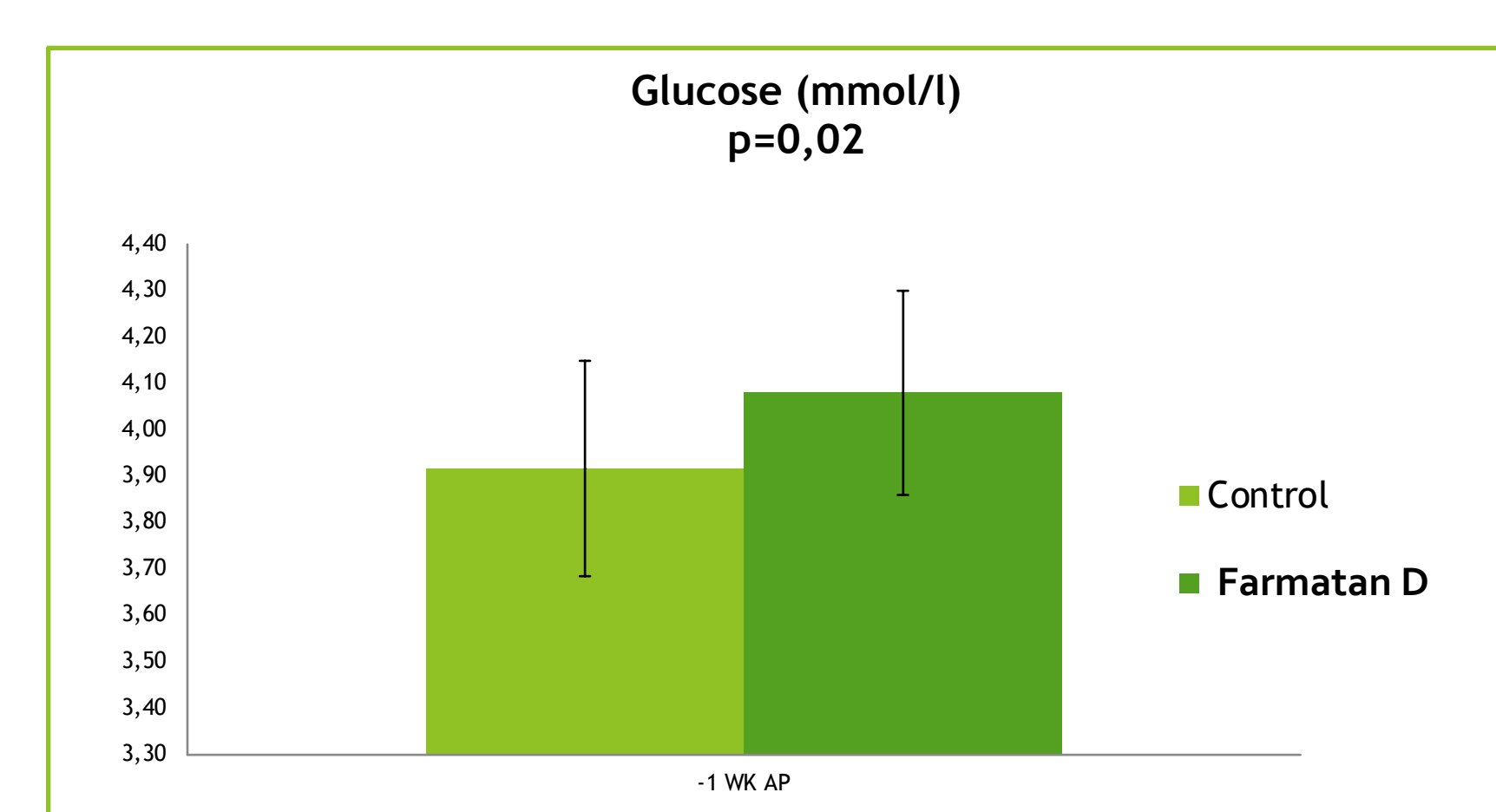
**farmatan<sup>®</sup> D** 40g/COW/DAY

**CAN REPLACE**

0.6kg  
SBM (44% CP)

0.75kg  
Rapeseed meal (37% CP)

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



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