

SWITCH ON LIFETIME PERFORMANCE WITH THE FIRST RUMEN ACCELERATOR



AXCELERA-C

SWITCH ON LIFETIME PERFORMANCE

ABVista

The first few months of a calf's life play a critical role in determining future performance. There is a strong positive correlation between early body weight gains and lifetime milk production; recent research showed pre-weaning ADG accounted for 22% of the variation in first-lactation milk yield, and greater pre-weaning gains can set heifers on a path to reach target weights and sexual maturity earlier.

For each lb of preweaning ADG, milk INCREASED

**+
1870 lb**
first lactation

**+
888 lb**
second lactation

**+
105 lb**
third lactation

(Soberon 2012)

Even if calves get off to a good start, they commonly experience a performance setback immediately following weaning, where both intake and digestibility are compromised. Gains are slowed or even negative, efficiency suffers, and immunity can be impacted. Impacts are typically greatest in calves that were fed relatively high levels of milk and lesser amounts of dry feed. If severe, this post-weaning slump carries long term implications for increased heifer development costs and future milk production.

Rumen development, triggered by solid feed intake, is the key to easing weaning transitions and maintaining calf weight gains. The nutritional goal for producers is to kick start rumen development as early as possible to drive uninterrupted heifer growth and improve cost efficiencies.

Current feeding practices try to find a balance between supporting pre-weaning gains and cost; however, they fall short of providing calves with the best start for lifetime performance.

Milk is highly digestible and encourages good intake leading to gains, health and feed efficiency pre-weaning. However, it is an expensive feeding method and most of the milk will bypass the rumen minimizing rumen development. Research has shown a correlation between high milk intake and reduced starter intake.



Starter feed stimulates rumen development, but intakes are variable and often limited. Research has shown that calves receiving less milk ate more starter, but they also made significantly more unrewarded trips to the milk feeder - even after weaning. These calves were still hungry, but not willing to meet that desire with more starter (Rosenberger et al. 2012).



Recent efforts to use intensive calf rearing programs to improve pre-weaning gains hinge on significantly increasing milk intake, but how do we feed calves high levels of milk while still encouraging starter intake?

There is a gap in nutrition to support calf transition and accelerated rumen development.

SWITCH ON LIFETIME PERFORMANCE WITH AXCELERA-C



“The first rumen accelerator”

Axcelera-C is a highly digestible, nutritionally dense high lactose pellet containing a direct-fed microbial. By providing a source of energy from milk sugars as opposed to starch, Axcelera-C supports the calf's diet to present enzymes naturally. Calves recognize it as milk and find it so palatable they begin measurable intake as early as day 2-3 triggering early rumen development.

By introducing Axcelera-C, producers have seen farm management efficiencies associated with:

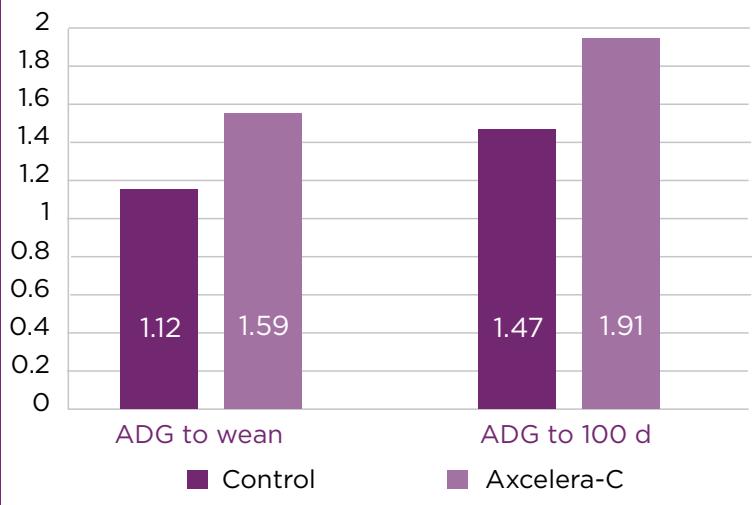
- Earlier rumen development
- Younger weaning due to earlier solid food intake, often without the typical setback in feed intake and growth
- Faster growing calves
- Reduced incidence of scours
- Reduced cost associated with feeding and medical bills

Axcelera-C offers the flexibility to achieve a range of goals:

- ➊ Add to conventional programs to gain the benefits of intensive rearing without handling more liquid milk;
- ➋ Substitute for some of the milk or milk replacer in intensive programs to reduce overall feed and labor costs;
- ➌ To reach targets for heavier weaning weights, earlier puberty, and/or reduced days to weaning.

Our proprietary cold-pelleting process ensures nutrient quality and availability is maintained through manufacturing.

Calves receiving Axcelera-C saw an improvement in average daily gain

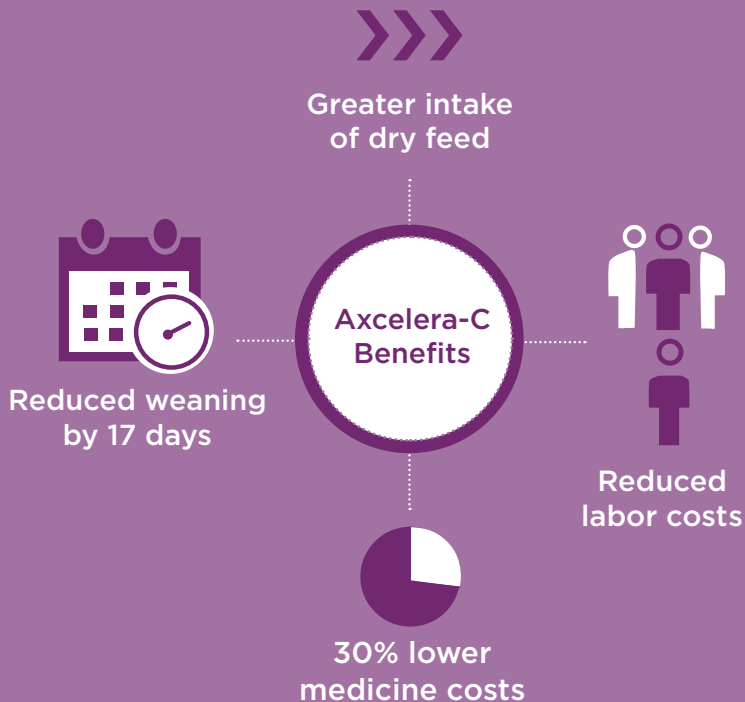


Calves receiving Axcelera-C consumed almost 20 pounds more dry matter by 120 days of age.

(Institute of Agrifood Research and Technology, Spain)

Large-scale success was seen at a New Mexico Calf Ranch (65,000 head). Axcelera-C reduced age at weaning from 62 to 45 days and the calves had earlier and greater intake of dry feed. The ranch also had reduced labor costs, 30% lower medicine costs and heifers reached target weight sooner.

“My dairy clients have commented that the quality of the calves I am producing from them has improved: Healthier and heavier calves by over 20lb at the same age and less medication required once returned to the dairy” (Calf Ranch NM/TX)



Introduce Axcelera-C to program calves for:

- Improved average daily intake
- Earlier and more efficient weaning
- Enhanced immune function
- Greater lifetime performance