

SugaPro

Instant Energy

PRODUCT DESCRIPTION

SugaPro is processed with special steam technology making it the most effective product to improve pellet quality as the only pellet binder that is 100% nutritive as an energy source of 4900kcal per kilogram. The unique properties of **SugaPro** allow for the production of pellets with increased hygiene, homogeneity, and durability, making the pellet more attractive to producers and poultry alike.



SugaPro

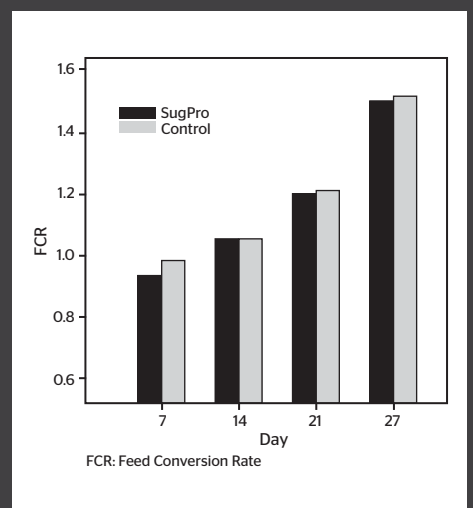
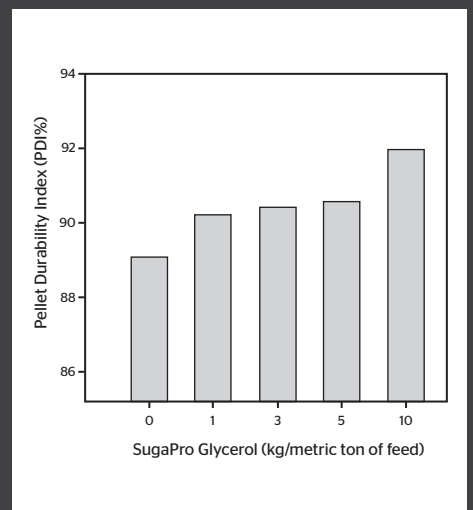
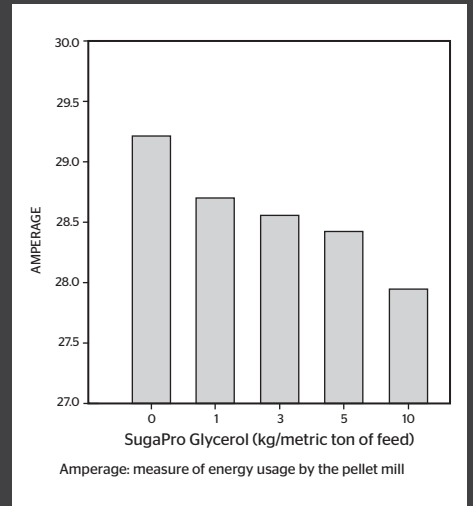
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PROCESSING

SugaPro is an effective surfactant, acting to decrease the surface tension of the added liquid and allow for quick permeation of the feed products during the conditioning process. Acting as a medium for heat transfer, faster permeation results in faster heat transfer, and an overall decrease in energy required during the pelleting process.

QUALITY

The ever-popular corn and soybean meal diets which are low in fiber and high in starch typically result in a pellet with low integrity. These formulations require higher levels of moisture and heat for effective preconditioning. The unique properties of **SugaPro** favour these conditions and the resulting pellets have improved durability, homogeneity, and fewer fines overall.



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PELLET HYGIENE

The addition of high quality emulsifiers to the product work to reduce the water activity in the pellet, decreasing the risk of microbial spoilage. **SugaPro** works further to increase the safety of the feed as it favours processing conditions that have been proven to be conducive to the inactivation of harmful pathogens such as Salmonella enteritidis.

PRODUCT DESCRIPTION

SugaPro acts to effectively mitigate the metabolic stress commonly experienced by dairy cattle due to the environmental or physiological circumstances that are unavoidable in the dairy industry. **SugaPro** can be used both as a curative and preventative measure in combating in instance of stress during the transition period, ketosis, heat stress, and any other case resulting in a decreased dry matter intake by the dairy cow (ex. Milk fever, hoof problems, clinical mastitis, etc...).

IMPLICATIONS OF STRESS

In these instances of metabolic stress, the implications can have significant economic repercussions for the farmer due to **decreased conception and pregnancy rates, decreased milk yield, and increased probability of culling** animals due to their poor performance.

Despite the increased energy demands on the animal during the peripartum period, the stress of late gestation tends to result in a decrease in dry matter intake. These conditions result in a negative energy balance and consequently **ketosis**.

THE SOLUTION

SugaPro, a close precursor to glucose, acts to meet the high energy demands experienced by the cow peripartum, also reducing the production of β -hydroxy butyrate. Thus, preventing ketosis, and its expensive implications on reproductive health of the animal.

Adding **SugaPro** to the TMR of cattle during heat stress, or in instances of decreased dry matter intake will increase the palatability of the feed for the animal, in turn increasing dry matter intake.

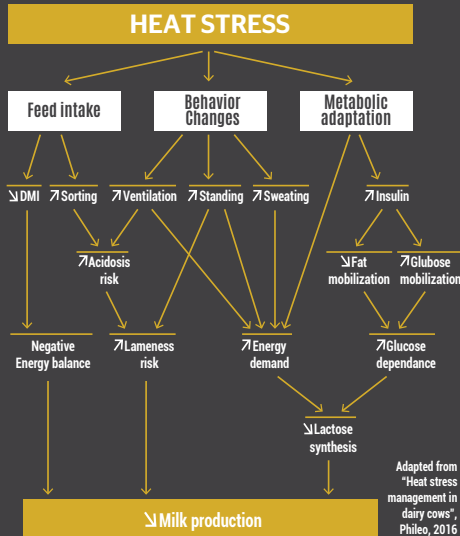
SugaPro also works to increase the level of blood glucose, in turn increasing lactose production in the udder. Together, these factors work to increase milk yield.

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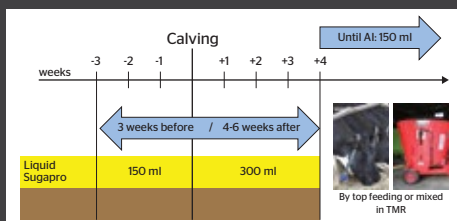
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General effects of heat stress on dairy cows



For Transition Cows



DOSING & ADMINISTRATION PROTOCOLS

Heat Stress

150mL/day/adult cow during all hot period (Temperature > 25°)
By top feeding, mixed in TMR, or mixed in the water

Curative

Ketosis

- 400 mL/day in the mouth for 3-5 days
- +/- glucose/dexa injections (as recommended by a veterinarian)
- Any situation leading to a decreased dry matter intake
- 400 mL/day in the mouth x 3 days
- OR mixed in a drench solution Product

ADDiCAN Memberships:



Developed & Manufactured at ADDiCAN Processing Plants Located At:

Mount Vernon, Washington, USA Ebenezer Business Park, New Glasgow, Canada

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