

ANGOLA



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Power Up Your Cows for Peak Performance

High-energy dietetic supplement for high performing dairy animals to reduce the risk of ketosis and other metabolic disorders that contributes to a good start of lactation. It is tailored to reduce environmental impact contributing to a more sustainable and environmentally friendly agricultural system.



Product description

Angola is a comprehensive nutritional solution designed to address the heightened energy demands and limited dry matter intake that dairy cows and ewes experience around calving and lambing, particularly in cases of multiple births.

This vulnerability can lead to ketosis, which Angola effectively combats with its unique formulation. It provides glycogenic energy through combination of propylene glycol, glycerol, Crude Glycerin and xylitol, ensuring a palatable and easily digestible source of energy.

The inclusion of B-vitamins, such as Niacin and Vitamin B12, enhances energy utilization, while Choline Chloride along with other minerals supports healthy liver function. Glucose, a central component in Angola, plays a critical role in immune defense and milk production, and its deficiency can result in significant economic losses.

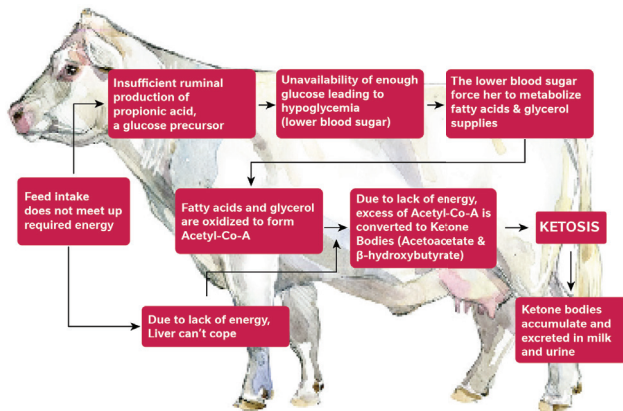
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The challenge of managing energy balance and the risk of sub-clinical ketosis arises during the early stages of lactation.

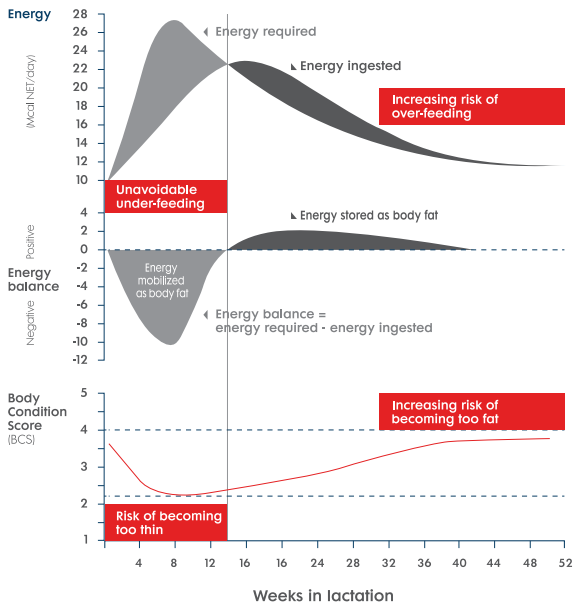
Cows typically reach peak milk production between 4–8 weeks after calving, but their Dry Matter Intake (DMI) lags behind, only reaching its peak 6–8 weeks later. This delay creates a negative energy balance for cows during the first three months post-calving.

When cows experience a negative energy balance, they begin to break down body fat for energy. If too much fat is mobilized, the liver can become overwhelmed by the high levels of fatty acids, leading to fat accumulation in the liver. This can cause liver damage and result in the production of ketones, which negatively affect the animal's health. One common issue that arises from this is clinical ketosis, which is known to decrease milk production and increase the risk of various secondary health problems.

Insufficient Feed Intake Causes Ketosis:



Recent studies have shown that sub-clinical ketosis is more common than clinical ketosis. Unlike clinical ketosis, cows with sub-clinical ketosis do not show obvious signs but have elevated ketone levels in their blood, urine, and milk. This condition leads to reduced milk production, a decrease in milk protein, and an increase in milk fat percentage. Sub-clinical ketosis also weakens the cow's immune system, making them more susceptible to diseases. Additionally, it can reduce fertility, significantly impacting farm profitability.



Angola – A solution to deal with negative energy balance challenge

Angola is specially formulated to support high-yielding dairy cows by providing glycogen energy, which helps to reduce the risk of ketosis, hypoglycemia and other metabolic disorders. It addresses the physiological energy shortfalls commonly experienced around calving; ensuring cows receive the essential energy needed during this critical period. By delivering energy immediately after calving, Angola aids in rapid rehydration and recovery, setting the stage for a successful lactation period.

The product includes propylene glycol, glycerol and crude glycerin for an immediate energy boost, while niacin and Vitamin B12 enhance energy metabolism and utilization. Angola also contains Xylitol, a sugar substitute that bypasses the rumen to stimulate insulin secretion and glucose synthesis. When combined with propylene glycol, it provides a rapid, strong, and lasting effect on blood sugar levels, boosting activity and feed intake.

Choline chloride supports optimal liver function, reducing the risk of fatty liver disease. Calcium propionate is incorporated to provide essential calcium for bone health. Cobalt is essential for the production of Vitamin B12, which plays a critical role in red blood cell formation and overall metabolic efficiency. Vitamin B12 is vital for several bodily functions, including energy production and maintaining the health of the nervous system. Without adequate cobalt, Vitamin B12 synthesis can be impaired, leading to issues such as anemia and metabolic disorders.

Angola helps restore body condition after calving and includes essential elements for a good start to lactation, increasing milk production at its peak. It supports the resumption of the ovarian cycle, improves fertility, and contributes to overall healthy immune function. By mitigating the effects of heat and metabolic stresses, Angola ensures that dairy cows remain productive and healthy throughout the lactation period.

Additionally, Angola also provides defense against everyday stressors such as high milk production, environmental changes, health issues, pregnancy, nutrient deficiencies, shifts in social environment, relocation or transportation, heat stress, increased humidity, and variations in feed composition or feeding patterns.

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Product Composition

Propylene Glycol, Glycerol, Crude Glycerin, Xylitol, Choline Chloride, Niacin, Vitamin B12, Calcium Propionate, Cobalt

Product Profile

Glucose substrate: >85%

Water content: <10%

Chlorinated compounds: <0.002%

Sulphates (SO₄): <0.003%

Heavy Metals: <6ppm

Energy: 5600 Kcal/Kg

Product Application:

Recommended Feeding Rate:

Dairy Animals:

Highly recommended in transition period and first 3-6 weeks of lactation

100-300 ml per head daily as top dressing on feed or direct oral administration

Place in a free-draining trough where animals gather regularly (free-access version only), or mix into or sprinkle onto feeds to provide the recommended feeding rate, or can be used in total mix ration.



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Reduced Environmental Impact Strategy

Effective energy management in dairy cows is crucial for both their health and the overall efficiency of the farming operation. Angola is designed to meet the increased energy demands of cows, especially during critical periods such as calving. By providing a reliable energy boost, Angola helps prevent metabolic disorders like ketosis, thereby reducing the risk of health complications that can affect both milk production and overall well-being. Angola is carefully formulated to address the energy needs of cows across various farming systems. To ensure its continued effectiveness, our formulations are reviewed by our expert team every six months.

Angola is formulated to meeting the critical energy requirements of dairy cows while minimizing any negative environmental impact. By utilizing the most effective glucose sources, minerals and other compounds, Angola ensures consistent energy availability, reducing the need for excessive supplementation. This strategy not only enhances energy absorption and supports overall health but also promotes a more sustainable and environmentally friendly agricultural system, benefiting both livestock and the planet.

Responsible Product Criteria:

- Product is assessed alongside the ration to ensure dietary suitability.
- Formulated to reduce environmental impact with maximum trace element absorption minimum trace element excretion.
- Tailored to combat negative energy balance to maintain optimal health and performance in livestock.
- Includes only the highest bioavailability sources for 100% effectiveness.
- Developed to enhance rumen health and overall performance.

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