

Amino GREEN

Features

- Formulated using a combination of high quality vegetable proteins.
- Contains a high level of by-pass protein (>73%)
- Does not contain fishmeal.
- Produced using a unique patented manufacturing process... without the use of chemicals.
- A palatable and highly digestible protein source.
- Available as non-GM.

Benefits

- Supplies a balanced blend of essential amino acids more closely matching the animal's needs than any other single protein source.
- Promotes meat and milk production.
- Reduces protein wastage and the adverse effects of excess protein on health and fertility.
- Promotes animal performance without the need of animal proteins.
- No risk of residues contaminating milk or meat.
- Promotes intake, ration acceptability and efficient nitrogen use.
- Cost effective.

Amino GREEN

Feeding Instructions

- Use as a source of high quality amino acid balanced by-pass protein in ration for all ruminants.
- Can be used in compound feeds or in meals or blends.
- Can be mixed with silage or fed as part of a balanced Total Mixed Ration from a feeder wagon.

Target Intakes

Dairy Cows	500-1500g/day
Beef Cows	250-750g/day
Ewes	100-250g/day
Lambs	50-150g/day

Amino Green is available in:

Bulk, Mini Bulk Bags, 25kg Bags

Available from:



SCA Mill, Dalton Airfield Industrial Estate, Dalton, Thirsk,
North Yorkshire YO7 3HE

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www.scanutec.com

Amino GREEN

Balanced for profit



**Amino acid
balanced protein
for ruminants**

Amino Green has been designed using a combination of high quality vegetable proteins. It offers farmers a "Vegetable" only source of by-pass protein more ideally balanced to meet the production requirements of dairy cows, beef cattle and sheep than any other natural or chemically produced single protein DUP source.

Ingredients

Hipro soya bean meal, prairie meal, potato protein, rapeseed meal.

Analysis

Crude Protein	39%
EROP	83g/kg
DUP	273g/kg
Oil	3.0%
Fibre	8.0%
Ash	7.5%
MER	11.1MJ/kg
Calcium	0.5%
Phosphorus	0.9%
Magnesium	0.35%
Salt	0.05%

A balanced supply of protein to ruminants is essential if they are to achieve their production potential, e.g. milk yield, milk protein and growth rate.

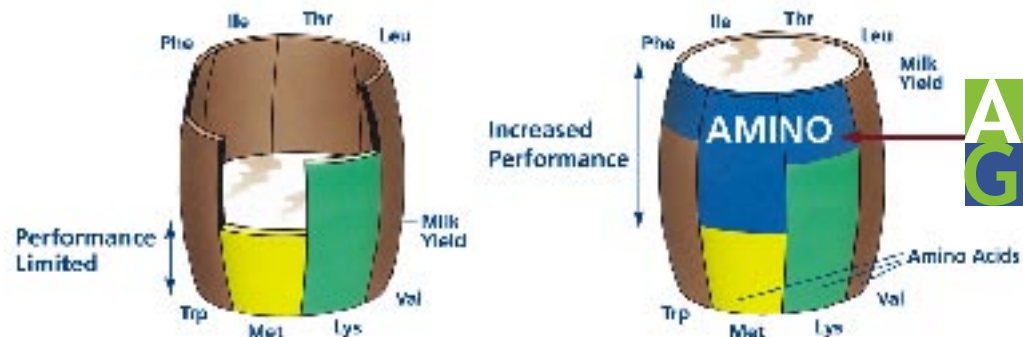
All physiological functions require the building blocks of protein – **amino acids** – to be supplied in a specific balance or profile. Performance will be limited by the essential amino acid that is in the shortest supply compared with requirements.

See figure 1A

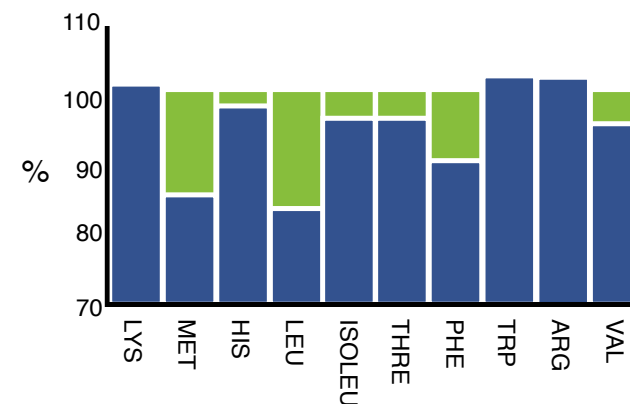
It has been suggested that in many ruminant rations a number of amino acids could be co-limiting, therefore, it is important to supply a **balanced blend of amino acids** to optimise performance. See figure 1B
An increased supply of a single amino acid would only result in an inconsistent response.

The major source of protein to the ruminant is supplied by the microbes in its rumen, however, the amino acids it supplies are potentially imbalanced compared with the needs of the ruminant. The amino acids of other feed proteins, compared with the animal's needs, are found also to be less than ideal.

See figure 2



Post rumen digestible amino acid supply of Amino Green compared with protected



Amino acids

● Amino Green ● Protected soya

Therefore, if animal production is to be optimised, microbial protein supply must be complemented with a balanced blend of amino acids from a mixture of high quality proteins to match the need.