SoyPass®

- Rumen Protected Soya Bean Meal

A soya-based product supplying twice the quantity of rumen bypass protein as hipro soya bean meal. S SoyPass® is made from North American origin soya only.

Typical Analysis (on a dry matter basis)

Dry matter (%)	Energy (MJ ME/kg DM)	Crude protein (%)	Oil (%)	NDF (%)	Starch (%)	Sugar (%)	DUP (%)
86	13.5	49.5	2.6	29.9	6.2	10.3	36.1

What are you trying to achieve?

Need	Feature	Benefit
Increase milk and meat yield	An extremely high content of digestible undegradable protein (DUP).	Allows the cow to meet its demands for DUP and maximise its efficiency.
Reduce feed costs		Allows performance to be maintained whilst reducing the rations overall protein content.
Reduce reliance on soya bean meal		Allows greater utilisation of mid proteins such as distillers and rape products reducing feed costs.

The predicted responses (benefits) assume that the specified nutrient, physical or structural dietary components are limiting livestock performance in the current ration.

Complementary Concentrate Feeds

- **Mid protein feeds** e.g. Distillers and rape seed products
- **High starch feeds** e.g. Cereals, maize meals, confectionery products
- **Rumen bypass fats** e.g. Golden Flake, Butterfat Extra, Megalac

KW more than feed

0845 355 9935
www.kwfeeds.co.uk

Recommended daily feed rates (per head basis)

SoyPass® can be fed, top dressed, used individually or as part of a blend or TMR.

Milking Cows	Up to 2 (typically 1)kg
Dry Cows	Up to 0.75 kg
Replacement Heifers	Up to 1 kg and up to 25% of the DMI
Calves (to 12 weeks)	Up to 0.5 kg and up to 15% of the DMI
Growing Cattle	Up to 1 kg and up to 20% of the DMI
Finishing Cattle	Up to 2 kg and up to 20% of the DMI
Suckler Cows	Up to 2 (typically 0.5)kg
Ewes and Rams	Up to 0.5 (typically 0.25)kg
Hoggets and Lambs	Up to 0.5kg and up to 20% of the DMI

DMI = dry matter intake

Experience has shown improved returns when used to supplement the diets of high yielders, cows in early lactation or first calvers, similarly for ewes. For best results consider feeding a complementary rumen-protected fat.

Availability, handling and storage

SoyPass® is available all year round, UK wide and can be delivered direct to farm in 25kg bags, or in bulk. It should be stored out of direct sunlight, in a cool, dry and well-ventilated environment. SoyPass® should be used within 3 months of delivery.

Additional information

Method of production

Soya bean meal is well known as a highly valuable protein source because of its high protein content and amino acid composition. SoyPass® is produced using a unique patented process which doubles the amount of bypass protein in soya bean meal. The process takes advantage of naturally occurring wood sugar which, when mixed with soya, binds to part of the protein, protecting it from degradation in the rumen. During production of SoyPass®, careful process control procedures ensure that the proteins become highly rumen undegradable but retain the high intestinal digestibility similar to untreated soya bean meal. SoyPass® is made from North American origin soya only.

Research and development work since 1985 has demonstrated that the amino acids are not damaged by the process and remain highly digestible.

Quality Assurance

SoyPass® is a FEMAS assured (or a recognised equivalent) product.

Legal disclaimer

Suggested feeding rates are produced as a guide only and many other factors may have an overriding effect on performance. Rations should be carefully balanced for energy and protein, contain sufficient forage to maintain rumen function and be fortified with an appropriate vitamin and mineral supplement. Animals must have constant access to clean water.

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Detailed Typical Analysis (fresh basis other than where stated)

Dry matter	%	86.0	Calcium	g/kg	4.70
Oil A	%	1.90	Magnesium	g/kg	3.90
Oil B	%	2.30	Phosphorus	g/kg	7.20
Crude protein	%	43.0	Potassium	g/kg	21.0
Crude protein: DM	%	49.5	Salt	g/kg	0.50
Fibre	%	3.40	Sodium	g/kg	0.20
Ash	%	6.00	Copper	mg/kg	17.4
ME* – *in vivo*	MJ/kg DM	13.5	Manganese	mg/kg	41.0
NDF	%	26.0	Selenium	mg/kg	0.10
Starch	%	5.40	Zinc	mg/kg	46.1
Sugar	%	9.00	Saturates	% of oil	15.0
ERDP-FiM*	% @ 6%	11.0	Monounsaturates	% of oil	25.0
DUP-FiM*	% @ 6%	31.5	PUFAs	% of oil	60.0
DUP digestibility	%	89.0	Long chain PUFAs	% of oil	0.00
sDM		0.10	Lysine	% of CP	6.24
aDM		0.28	Methionine	% of CP	1.41
bDM		0.70	Cysteine	% of CP	1.48
cDM		0.08	Histidine	% of CP	2.72
sN		0.05	Threonine	% of CP	3.90
aN		0.20			
bN		0.70			
cN		0.02			