Ensus Distillers Meal

A very palatable, high energy and protein feed, rich in digestible fibre, low in starch and providing a good source of bypass protein.

Typical Analysis (on a dry matter basis)

Dry matter (%)	Energy (MJ ME/kg DM)	Crude protein (%)	Oil (%)	NDF (%)	Starch (%)	Sugar (%)	DUP (%)
90.0	13.7	29.5	12.8	36	2.2	1.7	9.5

What are you trying to achieve?

Need	Feature	Benefit
Drive intake	Highly palatable feed.	Can stimulate intakes of less palatable feeds, increasing milk and meat production.
Reduce feed costs	High quality protein and a good source of bypass protein.	Allows ratios of soya and low protein concentrates to be replaced whilst providing similar energy and protein levels (usually at lower cost).
Improve rumen efficiency	Distillery products contain high levels of yeast fragments particularly in the solubles fraction.	Stimulates rumen activity, promoting fibre digestion and overall feed efficiency.
Minimise risk of acidosis	High proportion of the energy as digestible fibre.	Allows energy intakes to be increased without increasing the risk of acidosis associated with high starch feeds.

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

- **High starch feeds** e.g. cereals, maize meals, and confectionary and bakery products.
- **High protein feeds** e.g. soya bean meal, rapeseed meal, wheat distillers.

Recommended daily feed rates (per head basis)

Ensus Distillers Meal can be incorporated in a blend or TMR, top dressed, or fed as an individual feed.

Milking Cows	Up to 4 (typically 3)kg
Dry Cows	Up to 2 kg
Replacement Heifers	Up to 3 kg and up to 35% of the DMI
Calves (to 12 weeks)	Up to 1.5 kg and up to 25% of the DMI
Growing Cattle	Up to 2.5 kg and up to 40% of the DMI
Finishing Cattle	Up to 5 kg and up to 40% of the DMI
Suckler Cows	Up to 4 (typically 2)kg
# Ewes and Rams	Up to 1(typically 0.5)kg
# Hoggets and Lambs	Up to 0.75kg and up to 50% of the DMI
#(Unlike some feeds from the whisky Industry, co-products from bio-ethanol production do not contain high levels of copper)	

DMI = dry matter intake

Availability, handling and storage

Ensus Distillers Meal is available as bulk tipped or blown loads. Like all dry feeds, they should be stored in a secure shed, bunker, bin or hopper and kept cool, dry and free from vermin. Ensus Distillers Meal should be used within 3 months of delivery (due to a high residual oil content).

Additional information

Mycotoxins

There is an inherent risk of mycotoxins associated with the feeding of maize based products, this can fluctuate seasonally, based on growing, harvesting and storage conditions and therefore risks are well known and documented. These products are fed as part of ruminant diets on the basis of nutritional advice which must always include the addition of a mycotoxin binder made up of a bentonite clay and a yeast cell to mitigate these risks.

Method of production

Ensus Distillers Meal is a product of the bio-ethanol industry. Following the fermentation of wheat and maize (feedstocks vary from 100% wheat to 100% maize and any combination between) to produce ethanol, the distilllers meal is produced from the dried solid residues of the fermented grains mixed with the evaporated distillery syrups (solubles).

Quality Assurance

Ensus Distillers Meal is FEMAS assured (or a recognised equivalent) product and marketed by KW Alternative Feeds, a UFAS-accredited merchant. Ensus Distillers Meal (Distillers dried grains and solubles meal) is listed under number 1.12.11 in the EU Catalogue of Feed Materials.

Legal Disclaimer

Suggested feeding rates are produced as a guide only and many other factors may have an overriding effect on animal response; no performance guarantee can be given. 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	%	90.0	Calcium	g/kg	1.10
Oil A	%	9.00	Magnesium	g/kg	2.70
Oil B	%	11.5	Phosphorus	g/kg	8.00
Crude protein	%	27.0	Potassium	g/kg	9.50
Crude protein: DM	%	29.5	Salt	g/kg	4.40
Fibre	%	7.00	Sodium	g/kg	4.70
Ash	%	6.00	Copper	mg/kg	5.30
ME* – *in vivo*	MJ/kg DM	13.7	Manganese	mg/kg	19.0
NDF	%	32.5	Selenium	mg/kg	0.30
Starch	%	2.00	Zinc	mg/kg	60.0
Sugar	%	1.50	Saturates	% of oil	13.0
ERDP-FiM*	% @ 6%	14.4	Monounsaturates	% of oil	26.0
DUP-FiM*	% @ 6%	8.50	PUFAs	% of oil	61.0
DUP digestibility	%	80.0	Long chain PUFAs	% of oil	0.00
sDM		0.27	Lysine	% of CP	2.70
aDM		0.70	Methionine	% of CP	1.90
bDM		0.21	Cysteine	% of CP	1.50
cDM		0.11	Histidine	% of CP	2.60
sN		0.30	Threonine	% of CP	3.70
aN		0.74			
bN		0.18			
cN		0.17			