

SodaWheat



SodaWheat provides high energy from slowly fermentable starch plus rumen buffering.

Typical Analysis (on a dry matter basis)

Dry matter (%)	Energy (MJ ME/kg DM)	Crude protein (%)	Oil (%)	NDF (%)	Starch (%)	Sugar (%)	DUP (%)
65.0	13.2	11.0	1.8	12.0	65.0	2.5	2.0

What are you trying to achieve?

Need	Feature	Benefit
Minimise risk of acidosis	Alkaline pH (around 11) and high content of digestible 'slow release' starch.	Assists in maintaining an optimum rumen pH especially when feeding high acidic silage.
Increase milk yield	High starch and energy content.	Starch drives microbial protein production and spares protein being used for energy leading to increased yields and higher milk protein.
Increase milk protein %		
Improve fertility		Can help reduce early lactation body weight loss which is known to improve heat expression. Energy, as starch, fed immediately post calving can improve cycling through its effect on insulin.
No processing, ready to feed, easy storage	Ready to use product.	No further processing costs. Ideal alternative to rolled and ground cereals.

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

- **Low starch feeds** e.g. brewers and distillers' products, citrus pulp, soya hulls and sugar beet products.
- **High protein feeds** e.g. soya bean meal, rapeseed meal, wheat distillers.
- **High sugar feeds** e.g. molasses, Regumaize 44



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Recommended daily feed rates (per head basis)

SodaWheat can be fed as part of a TMR, as blend of as a concentrate feed. It is unsuitable for feeding to ruminants less than three months of age.

Milking Cows	Up to 5 (typically 3)kg mixed with other feeds
Dry Cows	Up to 1 (typically 0.5) kg
Replacement Heifers	Up to 2 kg and up to 30 % of the DMI
Calves (to 12 weeks)	Feeding not recommended
Growing Cattle	Up to 3 kg and up to 40 % of the DMI
Finishing Cattle	Up to 5 kg and up to 50 % of the DMI
Suckler Cows	Up to 3 (typically 1)kg
Ewes and Rams	Up to 1 (typically 0.5) kg
Hoggets and Lambs	Up to 0.5 kg/head or up to 40% of the DMI

DMI = dry matter intake

Availability, handling and storage

KW SodaWheat MUST NOT be tipped on dirty flooring or in contact with straw due to risk of contamination and spoilage. Covering of the product with plastic sheet is only advised where storage is open fronted and risk of contamination from dirt/dust/straw etc is likely.

IF PRE-MIXING FEEDS THEN DO NOT STORE KW SODAWHEAT MIXED WITH OTHER MATERIALS FOR LONGER THAN ONE WEEK.

Storage of the straight product is generally not a problem for up to a month.

Because of its high pH (around 11), care should be taken when handling. Wash skin which comes into contact with the material.

SodaWheat is produced at several KW blending sites and is available for delivery UK wide. It is made to order and therefore a minimum of four working days must be allowed between order and expected delivery date. SodaWheat is available as bulk tipped loads.

Additional information

Method of production

SodaWheat is produced by the treatment of dried wheat grain with caustic soda pearls (Sodium Hydroxide) and water. The materials are mixed and allowed to react to break down the outer coating of the cereal grain, thus rendering it available to ruminant animals without the need for further processing. After treatment, the material is spread thinly on concrete inside a shed to allow the heat to dissipate. It is turned to facilitate cooling and prevent 'lumping'.

Quality Assurance

Soda Wheat is a UFAS assured (or a recognised equivalent), fully traceable product and is marketed by KW Alternative Feeds a UFAS-accredited merchant.

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	%	65.0	Calcium	g/kg	0.20
Oil A	%	0.60	Magnesium	g/kg	0.77
Oil B	%	1.35	Phosphorus	g/kg	1.50
Crude protein	%	8.58	Potassium	g/kg	3.22
Crude protein: DM	%	11.0	Salt	g/kg	1.50
Fibre	%	2.00	Sodium	g/kg	16.3
Ash	%	3.75	Copper	mg/kg	2.00
ME* – <i>in vivo</i>	MJ/kg DM	13.2	Manganese	mg/kg	20.0
NDF	%	7.25	Selenium	mg/kg	0.05
Starch	%	42.5	Zinc	mg/kg	14.7
Sugar	%	2.10	Saturates	% of oil	19.0
ERDP-FiM*	% @ 6%	5.75	Monounsaturates	% of oil	19.0
DUP-FiM*	% @ 6%	1.35	PUFAs	% of oil	62.0
DUP digestibility	%	95.0	Long chain PUFAs	% of oil	0.00
sDM		0.06	Lysine	% of CP	3.04
aDM		0.08	Methionine	% of CP	1.70
bDM		0.90	Cysteine	% of CP	2.22
cDM		0.08	Histidine	% of CP	2.52
sN		0.10	Threonine	% of CP	3.06
aN		0.19			
bN		0.77			
cN		0.34			