

Dairy Cow Product Range



Introduction



Trouw Nutrition GB offers a wide range of Animal Health Products from the Farm-O-San® group of products.

Farm-O-San offers practical and easy to use products that are free of antibiotics and other medication and are suitable for use over multi species. Within the Farm-O-San range for ruminants there are products for cows, calves and sheep as summarized below.

	Pre-Calving	Calving
Problem	Glucose deficiency	Dehydration
Solution	Pro-Keto	Reviva



Farm-O-San dairy cow products

Pro-Keto (cattle)

A dietetic feed for high performing dairy cows based on propylene glycol and glycerine to reduce the risk of ketosis.

Pro-Keto Dry (cattle)

A dietetic complementary feed for high performing dairy cows for the reduction of the risk of ketosis. It has essential ingredients to contribute to a good start to lactation.

Reviva®

A complementary feed for freshly calved cows to replenish water and electrolyte loss and help recovery. It increases blood calcium levels and stimulates dry matter intake.

Other products available in the Farm-O-San range

Calf

Pulmosure

A complementary feed for calves and older cattle that helps breathing and clearing of airways. Also contains vitamin E and selenium to support immune function.

Rediar

A dietetic feed for calves, developed to stabilize the water and electrolyte balance in case of digestive disorders such as diarrhoea.

PowerFit

A complementary feed for stabilizing water and electrolyte balance. Suitable for use in calves becoming dehydrated as a result of high temperatures and/or stressful situations.

Sheep

Ewe Keto

A dietetic feed for in-lamb ewes, based on propylene glycol and glycerine. It supports the in-lamb ewe with glycogen energy to reduce the risk of twin lamb disease (ketosis).

Pro-Keto Dry (sheep)

A dietetic complementary feed for high performing ewes reducing the risk of ketosis. It contributes to a good start of lactation and reducing twin lamb issues.

Reviva Ewe

An easily digestible, highly palatable energy drink for freshly lambed ewes, containing dextrose as one of the energy sources.

Kubilam

A colostrum replacer for newborn lambs and a safe alternative to natural colostrum. It contributes to the development and resistance of the lamb immediately after birth.

Pro-Keto



Farm-O-San Pro-Keto is a dietetic feed for high performing dairy cows, based on propylene glycol and glycerine. Farm-O-San Pro-Keto supports the high yielding dairy cow with glycogen energy to reduce the risk of ketosis.

In the two weeks pre-calving, dry matter intake and glucose supply declines and fat mobilization increases. Supplementing the dry cow with a source of glycogen energy can help to boost glucose supply and reduce non-esterified fatty acid (NEFA) levels which, if too high, are associated with increased risk of ketosis, retained placenta and displaced abomasum.

Farm-O-San Pro-Keto includes essential ingredients for a good start to lactation. Propylene glycol and glycerine provide extra energy, niacin and vitamin B12 improve energy utilization and choline supports proper functioning of the liver. In addition, Farm-O-San Pro-Keto contains vitamin E and zinc to support resistance.

Administration and directions for use

Read the instructions on the product label for directions on product usage. Use Farm-O-San Pro-Keto during the transition period and in the first 3-6 weeks of lactation. Administer 100-125 ml twice daily as a top dressing on feed, or by automatic liquid dosing unit. In an acute case of ketosis, administer 250 ml Farm-O-San Pro-Keto twice daily.

Product data

Product name:	Farm-O-San Pro-Keto
Type of feed:	Dietetic complementary feed for dairy cows to reduce the risk of ketosis
Packaging:	Jerry can / drum / IBC
Net content:	5 litre / 25 litre / 200 litre drum / 1,000 litre IBC
Shelf life:	12 months
Storage conditions:	Store in a cool, dark and dry place in sealed packaging

Composition

Propylene glycol, Glycerine.

Specification

Analytical constituents

Moisture	32.5%
Crude protein	0.6%
Crude fibre	0.0%
Crude oils and fats	15.7%
Crude ash	0.3%
Sodium	0.0%

Additives per kg

Vitamins, pro-vitamins and chemically well-defined substances having similar effect:

Vitamin E / All-rac-alpha-tocopheryl acetate (3a700)	2,500 IU
Vitamin B12 / Cyanocobalamin	100 µg
Nicotinic acid / Nicotinic acid (niacin)	7,425 mg
Choline / Choline chloride	10,000 mg

Compounds of trace elements:

	Total	As element
Zinc sulphate monohydrate, Zinc-Zn (E6)	2,860 mg	1,000 mg



Pro-Keto Dry



Farm-O-San Pro-Keto Dry is a dietetic complementary feed for high performing dairy cows for the reduction of the risk of ketosis. Farm-O-San Pro-Keto Dry contributes to a good start of lactation.

As a consequence of the higher energy requirement, a limited dry matter intake and roughage around parturition, dairy cows can be susceptible to ketosis (acetonemia).

Farm-O-San Pro-Keto Dry includes all essential ingredients for a good start to lactation. Glycogenic energy is provided in the

form of flavoured chicory pulp with propylene glycol. Chicory contains inulin, a fructo-oligo saccharide consisting mainly of beta (2-1) fructosyl-fructose links. Inulin has long been associated with the maintenance and support of a healthy gut flora. Niacin and vitamin B12 improve energy utilization. Choline chloride contributes to a normal functioning of the liver.

Administration and directions for use

Read the instructions on the product label for directions on product usage. Use Farm-O-San Pro-Keto Dry in high productive dairy cows around calving to reduce the risk of ketosis. Administer 250 g per cow daily mixed into feed during 3-6 weeks after calving.

Product data

Product name:	Farm-O-San Pro-Keto Dry
Type of feed:	Dietetic complementary feed for dairy cows to reduce the risk of ketosis
Packaging:	Bag
Net content:	25 kg
Shelf life:	12 months
Storage conditions:	Store in a cool, dark and dry place in sealed packaging

Composition

Chicory pulp, Propylene glycol, Wheat bran.

Specification

Analytical constituents

Crude protein	5.0%
Crude fibre	10.0%
Crude oils and fats	1.0%
Crude ash	4.5%
Sodium	0.1%

Additives per kg

Vitamins, pro-vitamins and chemically well-defined substances having similar effect:

Vitamin B12	1,200 µg
Niacin	12,000 mg
Choline chloride	4,750 mg



Reviva



Directly before and during calving, cows do not eat and drink, but they do lose water and electrolytes, and their blood calcium level goes down. This may turn the animal listless, resulting in a reduction in dry matter intake.

At the start of lactation most cows are in negative energy balance. They try to compensate for this by mobilizing their body fat. This results in a change in their metabolism, which may result in ketosis later in lactation. It is therefore important for the animal to increase its dry matter intake as soon as possible.

Farm-O-San Reviva is an easily digestible, highly palatable energy drink for freshly calved cows, containing dextrose as

one of the energy sources. It quickly rehydrates and replenishes mineral loss in the cow and helps to increase blood calcium levels. Farm-O-San Reviva also contains added vitamins.

Farm-O-San Reviva should be given immediately after calving. It helps the cow to restore the balance after calving. Farm-O-San Reviva increases the cow's activity and forage intake.



Administration and directions for use

Read the instructions on the product label for directions on product usage. Mix at the rate of 50 g per litre of water. Mix 1 kg of Farm-O-San Reviva powder with 10 litres of hot water (40-45°C). The solution will turn orange. Once dissolved, add 10 litres of cold water to achieve a drinking temperature around 25-30°C.

Provide 20 litres of the lukewarm Farm-O-San Reviva solution to the cow once within 30 minutes after calving and before it is given free access to water. A further dose may be offered after 24 hours if the cow is still weak or appetite is poor.

Due to its higher content of vitamin D3 compared to complete feeds, Farm-O-San Reviva cannot be fed at more than 1.5 kg per cow per day.



Product data

Product name:	Farm-O-San Reviva
Type of feed:	Complementary feed for dairy cows
Packaging:	Bucket
Net content:	10 kg and 20 kg buckets
Shelf life:	12 months
Storage conditions:	Store in a cool, dark and dry place in sealed packaging

Composition

Dextrose, Whey powder, Calcium carbonate, Sodium chloride, Wheat, Sodium bicarbonate, Whey protein, Cocos oil, Palm oil, Monopotassium phosphate, Sunflower oil.

Specification

Analytical constituents		
Crude protein		6.0%
Crude fibre		0.1%
Crude oils and fats		4.5%
Crude ash		28.0%
Calcium		4.4%
Sodium		4.7%
Additives per kg		
Vitamins, pro-vitamins and chemically well-defined substances having similar effect:		
Vitamin A (3a672a)	80,000	IU
Vitamin D / Vitamin D3 (E671)	18,000	IU
Vitamin E / All-rac-alpha-tocopheryl acetate (3a700)	2,700	IU
β-Carotene (3aE160a)	200	mg
Compounds of trace elements:		
	Total	As element
Ferrous chelate of glycine, hydrate, Iron-Fe (E1)	920 mg	200 mg
Calcium iodate, anhydrous, Iodine-I (3b202)	32 mg	20 mg
Manganous sulphate, monohydrate, Manganese-Mn (E5)	420 mg	130 mg
Manganese chelate of amino acids hydrate, Manganese-Mn (E5)	400 mg	60 mg
Sodium selenite, Selenium-Se (E8)	3.3 mg	1.4 mg
Organic form of Selenium produced by <i>Saccharomyces cerevisiae</i> CNCM I-3060 (Selenised yeast inactivated), Selenium-Se (3b8.10)	260 mg	0.6 mg



FARM-O-SAN



For more information
trouwnutrition.co.uk

Farm-O-San is a brand of Trouw Nutrition, a Nutreco company.

Trouw Nutrition is a global leader in innovative feed specialities, premixes and technical services for animal nutrition. Quality, innovation and sustainability are the guiding principles behind everything we do – from research and raw material procurement, to the delivery of cutting-edge products and services for agriculture.

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