

KW C*Traffordgold Dairy Mineral



A high specification supplement, specifically formulated for feeding to lactating dairy cows consuming more than 4kgs of C*Traffordgold per day. KW C*Traffordgold Dairy mineral contains no additional phosphorous (as C*Traffordgold is rich in Phosphorous) and an improved anti-oxidant package which ensures the immune system is not compromised by micro-nutrition. This includes increased levels of Vit A, D, E and selenium; alongside Proviox a strong antioxidant which increases the effectiveness of Vit E.

Specification

Vitamin	iu/kg	Major Mineral	%	Trace Element	mg/kg
Vitamin A	500,000	Calcium	25	Cobalt	75
Vitamin D	100,000	Magnesium	7	Copper	1000
Vitamin E	2250	Phosphorus	0	Iodine	400
Proviox	500	Salt	20	Manganese	1500
Vitamin B ₁₂ (mcg/kg)	2000	Sodium	8	Selenium	40
				Zinc	6000

Needs, Features and Benefits

NEED	FEATURE	BENEFIT
Optimise cost benefit	<ul style="list-style-type: none"> Formulated to the latest recommendations High bio-availability 	<ul style="list-style-type: none"> No waste Ensures production is not constrained
High productivity	<ul style="list-style-type: none"> All trace elements that act as 'catalysts' for processing feed 	<ul style="list-style-type: none"> Good feed efficiency
Optimise immune system	<ul style="list-style-type: none"> Increased inclusion of Vits A (+100,000 iu/kg), E (+250 iu/kg), D (+20,000 iu/kg) and selenium (+10mg/kg) compared to KW Complete 4. Alongside copper, manganese and zinc these are key micronutrients for immunity. Contains Proviox, an antioxidant that recycles Vitamin E. 	<ul style="list-style-type: none"> Upgraded antioxidant package to ensure the immune system is not constrained by nutrition, e.g. reducing the risk of mastitis and retained cleansings
Increases Mineral Efficiency on Farm	<ul style="list-style-type: none"> Zero Phosphorus required as C*Traffordgold is rich in Phosphorous. Reduced Mn (-500mg/kg). 	<ul style="list-style-type: none"> Cost effective Environmentally friendly More efficient overall Phosphorus utilization
Optimise rumen vitamin B ₁₂ production	<ul style="list-style-type: none"> Cobalt to ensure only active vitamin B₁₂ is produced in the rumen 	<ul style="list-style-type: none"> Efficient energy metabolism
Good stability and dispersion	<ul style="list-style-type: none"> A high quality carrier that avoids separation 	<ul style="list-style-type: none"> Minimises variation in micro-nutrient supply Consistent performance

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



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Recommended Daily Feed Rates

- Feed at 20 to 25g/day per kg of un-mineralised concentrate – moist feeds should be converted to 100% dry matter. Where no other mineralised feeds are offered a minimum of 100g/day should be fed. Feed rates should not exceed 300g/day
- Add to the TMR ration at the latter stages of mixing, top dress or make 2 / 3 days requirement available in containers away from the water source.

Micronutrients in Health and Production

It is vital that micronutrients are fed in accordance with the latest recommendations. The table below summarises the key functions of micronutrients and the deficiency symptoms if inadequate levels are fed.

Micronutrient	Key Function	Deficiency Symptoms
Vitamin A	Skin, vision, bone growth, reproduction and immune system	Reduced absorption of nutrients, loss of appetite, reduced growth, rough hair, nasal discharge, blindness, water retention, decreased sexual activity, irregular oestrus, foetal death and weak young.
Vitamin D	Regulation of calcium and phosphorus	Soft irregular shaped ribs and long bones, stiffness, swelling of joints, decreased appetite.
Vitamin E	Antioxidant, hormone production, blood clotting, immune function.	Muscle damage, retained cleansings, predisposition to mastitis
Proviox	Powerful natural Antioxidant, helps regenerate vitamin E	
Cobalt	Synthesis of vitamin B12 by rumen micro-organisms, role as cobalt within the body	Reduced appetite, weight loss, lower milk production, muscle wasting, anaemia
Copper	Blood formation, many enzymes systems, bone, hair and wool formation, immune system	Anaemia, reduced growth and milk production, scours, de-pigmentation, impaired bone formation and disorders of the nerves.
Iodine	Production of thyroid hormones that regulate energy metabolism, growth and development	Swelling of the thyroid gland (goitre), reduced, milk production, growth reproductive activity, prolonged calvings, increase in stillborn calves, retained placenta and endometritis.



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Micronutrient	Key Function	Deficiency Symptoms
Manganese	Fat and carbohydrate metabolism, reproduction, growth and correct bone formation and immune function	Slow growth, skeletal abnormalities, poor reproductive status and poor immunity.
Selenium	Antioxidant and immune system	Muscle damage, reduced fertility, slow growth and anaemia.
Zinc	Skin, growth, development, reproduction, bone and blood formation and many enzyme systems	Skin, hair and wool problems, reduced growth rate, slow wound healing and reduced immune system.
Calcium	Skeleton, muscle activity, milk constituent and enzymes.	Twisted bones, milk fever, twisted abomasums and reduced appetite.
Chloride	Maintaining electrolyte balance	Reduced milk production and growth.
Magnesium	Skeleton, muscle function and nervous system	Tetany, Predisposition to milk fever, Reduced forage digestion
Sodium	Maintaining electrolyte balance	Reduced milk production and growth

Availability, handling and storage

KW C*Traffordgold Dairy mineral is available all year round, UK wide and can be delivered direct to farm in 25kg bags. The minimum order quantity is 1.2T. KW C*Traffordgold Dairy mineral should be stored out of direct sunlight in a cool, dry environment.

Additional information

Quality Assurance

KW C*Traffordgold Dairy mineral is a FEMAS-assured product and is marketed by KW Alternative Feeds, a UFAS-accredited company.

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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