



Royalty Equine Supplement: A Paradigm of Nutritional Excellence

The Ultimate Equine Feeding System

Royalty represents a groundbreaking approach in equine nutrition, featuring a Sustained Delivery Energy System that utilizes fats, fibers, and proteins as primary energy sources. This system ensures a consistent, steady release of energy, crucial for maintaining peak performance without the spikes and crashes associated with simple carbohydrate sources.



Targeted Nutritional Delivery System

The precision-blended formula of Royalty Equine Feed ensures targeted nutritional support, delivering key nutrients exactly where needed to support muscle recovery, immune function, joint support and overall health. This is facilitated by the bioavailability of its constituent nutrients, ensuring that horses can better utilize the energy and nutrients provided.





The Ultimate Equine Fuel: What Equine Fuel Was Meant To Be

The Science Behind the Supplement

At the core of Royalty's formulation is a commitment to supporting the multifaceted energy requirements of equines. By drawing on a balanced mix of energy sources, Royalty ensures that horses have access to the right fuel at the right time, optimizing performance while safeguarding health.

Sustained Energy System

Fats	Sourced from high-quality seeds, these provide a dense energy source that supports endurance and stamina, delivering more than twice the calories of carbohydrates per gram, with a significantly lower glycemic response.
Fibers	The blend includes soluble and insoluble fibers, fostering a slow-release energy mechanism. This supports not only prolonged energy availability but also enhances gut health, thanks to the fermentation process in the hindgut which also promotes a healthy microbiome.
Proteins	Essential for muscle repair and growth, proteins in Royalty are sourced from high-quality seeds, ensuring a balanced amino acid profile necessary for the recovery and development of lean muscle mass.

For Optimal Results:

For optimal results, start with a base of one cup per day for an average-sized horse and adjust according to activity level and body condition. Royalty should be integrated into a balanced diet that emphasizes forage, ensuring that your horse's nutritional needs are met without exceeding caloric requirements. Always ensure freshwater is available, and introduce Royalty gradually into your horse's diet to allow their digestive system to adapt.

In conclusion, Royalty Equine Feed brings forth an innovative approach to equine nutrition, leveraging a sustained energy delivery system alongside targeted nutritional delivery to support the rigorous demands placed on modern equine athletes. Through a careful blend of fats, fibers, and proteins, Royalty offers a scientifically backed solution to maintaining peak performance and health.





The Ultimate Equine Fuel: Reimagining Equine Nutrition

AMINO ACIDS

Lysine (MG)	894
Methionine (MG)	335
Threonine (MG)	782
Histidine (MG)	558.65
Isoleucine (MG)	893.84
Leucine (MG)	1564.22
Lysin (MG)	893.84
Phenylalanine (MG)	1117.3
Threonine (MG)	782.11
Tryptophan (MG)	223.46
Valine (MG)	1117.3
Alanine (MG)	893.84
Arginine (MG)	1564.22
Aspartic Acid (MG)	1340.76
Cysteine (MG)	335.19
Glutamic Acid (MG)	2011.14
Glycine (MG)	893.84
Proline (MG)	893.84
Serine (MG)	893.84
Tyrosine (MG)	670.38

Importance of a Balanced Amino Acid Profile

Comprehensive Health Support: Each amino acid plays a unique role in the body. While some may be involved in muscle repair and growth, others support immune function, skin and hoof health, or the nervous system. Ensuring a horse receives all essential amino acids is crucial for comprehensive health and optimal functioning.

Efficiency in Protein Synthesis: Proteins are made from long chains of amino acids. If one essential amino acid is missing, the body might not be able to synthesize the protein effectively, leading to reduced efficiency in metabolic processes and potentially wasting amino acids.

Preventing Amino Acid Imbalance: Supplementing only a select few amino acids can lead to imbalances that might inhibit the absorption or utilization of other amino acids, potentially causing deficiencies or metabolic disruptions.





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Lysine

Vital for muscle development and repair, lysine is the most important amino acid for protein synthesis and growth in horses.

Methionine

Acts as an antioxidant, methionine is essential for the health of hooves and the coat, and is a precursor for other amino acids.

Threonine

Essential for gut health, threonine supports the immune system and fat metabolism.

Histidine

Histidine: Essential for growth and tissue repair, histidine gets converted into histamine, a vital immune response mediator.

Isoleucine

One of the branched-chain amino acids (BCAAs), isoleucine is critical for muscle metabolism, energy, and stamina.

Leucine

Another BCAA, leucine, stimulates muscle strength and growth, playing a key role in the regulation of blood sugar levels.

Lysine

Vital for muscle development and repair, lysine is the most important amino acid for protein synthesis and growth in horses.

Phenylalanine

Required for the synthesis of proteins and some neurotransmitters; involved in the structure and function of proteins and enzymes.

Threonine

Essential for gut health, threonine supports the immune system and fat metabolism.

Tryptophan

Precursor to serotonin, tryptophan aids in behavior regulation, mood stability, and acts as a natural calming agent.

Valine

The third BCAA, valine helps stimulate muscle growth and regeneration and is involved in energy production.

Alanine

Acts as a source of energy for muscles, the brain, and the central nervous system; helps in the metabolism of sugars and organic acids.

Arginine

Important for blood flow and nitric oxide production, arginine supports wound healing and hormone function.

Aspartic Acid

Involved in hormone production and the release of certain neurotransmitters, which are chemicals that send signals in the brain.

Cysteine

Supports the formation of skin, detoxification, and the metabolism of fatty acids. It's also crucial for the health of hooves, hair, and skin due to its role in producing keratin.

Glutamic Acid

Acts as a neurotransmitter in the brain, helping to send signals between nerve cells. It's also involved in immune system function.

Glycine

Involved in the synthesis of proteins, collagen (for healthy skin, bones, and connective tissue), and creatine (which provides energy to muscles)

Proline

Important for the production of collagen and cartilage, proline supports joint health and skin elasticity.

Serine

Plays a role in the metabolism of fats and fatty acids, muscle growth, and a healthy immune system.

Tyrosine

Precursor to several important neurotransmitters, tyrosine influences mood, alertness, and the body's response to stress.

Asparagine

Plays a role in the metabolic control of cells, especially in the brain, aiding in nervous system function.





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Nutrient Analysis

Per cup

Crude Protein	21%
Crude Fat	46%
Acid Detergent Fiber (max)	19%
Neutral Detergent Fiber (max)	24%
NFC (non - Fiber Carbohydrates) (% DM)	5.70%
NSC (non - Structural Carbohydrates) (% DM)	3.10%
Ash (% DM)	5
Calcium (% DM)	0.23
Phosphorus (% DM)	0.8
Magnesium (% DM)	0.39
Potassium (% DM)	0.78
Sulfur (% DM)	0.26
Sodium (% DM)	0.01
Chloride (% DM)	0.06

Vitamins and Minerals

Selenium (MCG)	87.86
Vitamin E (MG)	9.22
Iron (PPM)	168
Manganese (PPM)	163
Zinc (PPM)	62
Copper (PPM)	16
Thiamin (B1) (MG)	.853
Riboflavin (B2) (MG)	.22
Niacin (B3) (MG)	7
Pantothenic acid (B5) (MG)	.5
Pyridoxine (B6) (MG)	.4
Biotin (B7) (MCG)	.8
Folate (B9) (MCG)	107

Omega-3	5.7
Omega-6	15.37
Omega-9	3.7

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Guaranteed Analysis

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