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Innovation for a Greener Earth

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Bio4™

Methionate Complexed Minerals

Bio 4 is a multi-mineral, nutritional animal feed supplement that we formulated to prevent and/or correct mineral deficiencies in animals. It is a result of complexing trace minerals of zinc, manganese, copper, and cobalt with methionine.

Zinc, manganese, copper, and cobalt are all very important minerals that animals require. These minerals function in various beneficial ways for animals, including aiding reproduction, growth and muscle development, milk production, fiber digestion, immunity, and energy metabolism to name a few.

Beyond just those benefits, having good levels of these trace minerals aids in helping animals cope with the effects of stress.

Along with those trace minerals, **Bio 4** supplies the sulfur-containing amino acid methionine.



In adult animals, this is vital because it's a part of body proteins and it is important for healthy skin and coat, optimal eye health, proper heart health, and more. In young animals, methionine plays an important role in metabolism processes, muscle bulk growth, and quick growth.

Additionally, methionine is also an initiator of protein synthesis. It serves as a precursor to other amino acids like cysteine, which can then convert into taurine. In addition to taurine, those same processes can convert methionine to glutathione, an important antioxidant.

Get it now for your animals!

For labels and SDS, visit our website at jhbiotech.com or call us at 805.650.8933

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