

Metaboleeze™



Metaboleeze contains a highly digestible source of chromium combined with B-complex vitamins and organic trace minerals.

Recommended for horses...

- with problems related to insulin resistance
- diagnosed with equine metabolic syndrome
- with starch sensitivity
- that are susceptible to tying-up
- that are easily fatigued

Scientifically Formulated

The chromium found in Metaboleeze promotes normal protein, carbohydrate, and fat metabolism. One of chromium's most important roles in the body is regulation of glucose. Chromium achieves this by activating insulin, a pancreatic hormone responsible for transporting glucose in and out of cells, where it is used for energy or stored for future use in the form of glycogen.

Not all sources of chromium are equally effective. The bioavailability (absorption and retention) and biological activity (ability to potentiate insulin) varies with each source. The proprietary organic chromium yeast found in Metaboleeze strongly potentiates insulin—more so than any other chromium supplement. Recent research found that the chromium in Metaboleeze was absorbed and retained far more efficiently than chromium picolinate or chromium chloride.

Essential B vitamins were included in the formula because they are critical in the conversion of pyruvate into acetal Co-A for use in aerobic energy generation. A deficiency in B vitamins will disrupt this energy pathway and lead to an increase in lactic acid accumulation, which will contribute to fatigue during exercise.

Metaboleeze also contains organic zinc and manganese. These trace minerals play an important role in glucose metabolism. Organic trace minerals are absorbed more readily and retained longer than inorganic minerals.

Insulin-Resistant Horses

Metaboleeze is an ideal supplement for horses with Cushing's syndrome (pituitary pars intermedia dysfunction, PPID), the endocrine disorder observed most often in geriatric horses. Horses afflicted with Cushing's syndrome often develop glucose intolerance and therefore have difficulty processing sugars and starches found in typical feeds. In fact, a telltale sign of Cushing's syndrome is hyperinsulinemia, a condition that results from insulin resistance. Metaboleeze helps Cushing's horses by lowering circulating levels of insulin, thereby improving insulin sensitivity. When used in conjunction with typical therapies (pergolide or cyproheptadine), evidence suggests that Metaboleeze corrects insulin resistance more rapidly.

Performance Horses and Tying-Up

Horses subjected to intense exercise benefit from Metaboleeze. Because strenuously exercised horses fed high-grain diets excrete more chromium in their urine than sedentary horses, supplementation with Metaboleeze is paramount to ensure insulin levels are kept in check.

In a research trial, Metaboleeze also decreased the accumulation of lactic acid in exercising horses. Lactic acid is thought to hasten fatigue. With Metaboleeze, lactic acid accumulation might be reduced, thus improving the stamina of equine athletes (Pagan et al., 1995).

Metaboleeze may also reduce the incidence of tying-up in certain horses, because one of the possible causes of tying-up is an irregularity in carbohydrate metabolism.

Try Metaboleeze Today!

Contact Kentucky Performance Products for ordering information.

Metaboleeze is available in two sizes, a 25-lb (11.36-kg) bucket and a 3-lb (1.36-kg) bucket.

Feeding Instructions:
Feed 1 oz per day.

Sold through veterinarians only.



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REFERENCE

Pagan, J.D., T. Rotmensen, and S.G. Jackson. 1995. The effect of chromium supplementation on metabolic response to exercise in Thoroughbreds. In: Proc. 14th Equine Nutrition and Physiology Society, Ontario, CA. p. 96-101.