

AZ Copper Complete – a Custom Regional Mix for Western Hays

AZ Copper Complete MS062010

Amount provided per standard 5 oz (140 gram) daily serving

Minerals

Cobalt	2 mg
Copper	260 mg
Zinc	720 mg
Manganese	200 mg
Magnesium	5 grams
Iodine	4 mg
Chromium	4 mg
Selenium	2 mg

Vitamins

Vitamin E	4,000 IU
Vitamin A	15,000 IU
Biotin	20 mg
B-complex	Equivalent to 1 oz serving of B-Plex

Amino Acids

Lysine	10 grams
Methionine	3 grams
Threonine	2 grams

Base

Stabilized flax 2.5 ounces
Horse Tech's NutraFlax stabilized flax base provides 18 grams of Omega-3 essential fatty acids

Ingredients

Full-Fat Milled Flaxseed, Yeast Culture, Biotin Supplement, DL-Methionine, L-Lysine Monohydrochloride, Pyridoxine Hydrochloride (Vitamin B6), Vitamin E Supplement, Niacinamide, Riboflavin, Thiamine Hydrochloride (Vitamin B1), Vitamin B12 Supplement, Calcium Pantothenate, Folic Acid, Zinc Amino Acid Complex, Manganese Amino Acid Complex, Copper Amino Acid Complex, Cobalt Glucoheptonate, Magnesium Oxide, Calcium Iodate, Chromium Picolinate, Selenium Yeast, Vitamin A Supplement (molasses or apple flavoring on request)

Feeding Recommendations

Standard serving – 5 oz (140 grams) for 880 – 1100 lb horse
See the Weight-based Feeding Recommendation chart below.

Available from HorseTech 1 (800) 831-3309 AZ Copper Complete - MS062010

25 lb pail – provides 80 5oz (140 gram) daily servings
\$106.95 (\$1.33 per daily 5 ounce serving)

Horse Tech Members save 5%
\$101.60 (\$1.27 per daily 5 ounce serving)

About AZ Copper Complete

AZ Copper Complete is a high copper supplement formulated to counter the high iron found in many Western and Southwestern hays. It reflects the results of analysis of Bermuda and mixed hay found in Arizona, including hay originating throughout AZ as well as Imperial Valley and Colorado.

This is a complete supplement – no other mineral supplements or fortified feeds should be fed but you may safely add joint supplements or herbs when feeding AZ Copper Complete.

AZ Copper Complete will not specifically balance every hay – the only way to do that is by testing each load. It will provide safe adequate levels of minerals and vitamins to complement most Western hays.

AZ Copper Complete is manufactured, sold and shipped by HorseTech. This ensures quality and freshness. In order to keep the price as affordable as possible, there is no marketing, “reselling” or “relabeling” and Desert Equine Balance receives no compensation from the sale of this supplement.

AZ Copper Complete is appropriate for all horses. If your horse is already receiving a quality supplement (one that provides generous levels of essential nutrients) you will not see a dramatic difference. You will, over time, appreciate subtle improvements in hoof and coat quality, work tolerance and recovery, comfort and general health.

AZ Copper Complete is not a “magic bullet” supplement meant to fix all problems. It does not substitute for appropriate diagnosis and management of metabolic, hoof or lameness issues but does provide a high level of support for prevention and rehabilitation.

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Weight-based Feeding Recommendation (based on forage fed at 2% Body Weight)		
Horse's Weight (Lbs)	Hay or Forage Lbs/day	Amount of AZ Copper Complete to feed
1600-1800	32-36	10 oz (280 grams)
1400-1600	28-32	9 oz (252 grams)
1200-1400	24-28	8 oz (224 grams)
1050-1200	20-24	7 oz (196 grams)
950-1100	18-22	6oz (56 grams)
880-1100	16-22	Standard Serving 5 oz (140 grams)
700-900	14-18	4-5 oz (112-140 grams)
600-750	12-15	4oz (112 grams)
450-600	9-12	3.5oz (98 grams)
300-450	6-9	2-3oz (56-84 grams)
200-300	4-6	1-2oz (28-56 grams)
< 200	< 4	1oz (28 grams)

When adjusting the amount of supplement to be given, consider both the horse's weight and the amount of hay eaten daily. This is not an "exact" science. Feeding less than the recommended amounts will short change your horse. Though not normally advised, the recommended amount to be fed can be safely doubled for the weights shown and still remain well below NRC maximum tolerable levels.

To ensure continued potency of ingredients all supplements and feeds should be stored in a cool dry environment. Always have fresh water and a plain white salt block available.

Additional Feeding Notes -

The following notes are based on an 850-1100 lb average horse eating approximately 16 to 22+ pounds of hay/forage a day (2% of body weight) and receiving a standard 5 ounce (140 gram) serving of AZ Copper Complete.

Flax – 2-6 ounces will provide adequate Omega-3 fatty acids. Horses on pasture full time can obtain adequate Omega-3; horses not on pasture should receive a source of Omega-3 fatty acids. AZ Copper Complete contains 2.5 ounces of flax; feeding an additional 2-4 ounces is optional.

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Magnesium – With untested hay, it's generally not recommended to exceed 10 grams magnesium; 5 grams would supply "insurance" for healthy adult horses. AZ Copper Complete contains 5 grams of magnesium. Additional magnesium is not usually advised for most horses.

For an insulin resistant (IR) horse, you can slowly add up to 5 additional grams of magnesium based on response (crest, manure consistency). Some EPSM/PSSM symptoms may also respond to higher levels of magnesium; this should be individualized.

HorseTech Magnesium Oxide - 5 grams would be 1 rounded scoop (a level scoop is approximately 4.5 grams), 10 grams would be two rounded scoops.

If using teaspoons/tablespoons – a level tablespoon of magnesium oxide supplies approximately 8 grams of magnesium; a level teaspoon supplies approximately 3 grams.

Vitamin E – AZ Copper Complete contains 4,000 IU of vitamin E. Heat, air and light will affect the long-term potency of vitamin E (and other nutrients) in any supplement. The vitamin E in AZ Copper Complete will remain stable for several months however I normally suggest ordering no more than a 3-month supply.

Horses on full time pasture receive adequate vitamin E; horses fed hay only should be supplemented year round.

Horses with EPSM/PSSM symptoms may benefit from higher levels of vitamin E (up to 10,000 IU for large drafts or Warmbloods). This may be supplemented by adding vitamin E gel capsules directly to the feed – there is no need to open the gel caps.

Salt – horses at maintenance should receive 1 to 3 oz plain salt per day. Do NOT use mineral salt or mineral salt blocks. One ounce of salt is approximately 4 teaspoons. 2 oz is approximately 8 tsp (or slightly less than 3 Tbsp). Plain bulk salt can be purchased at Costco, Sam's Club and, sometimes, at bakeries. Some feed stores carry plain and iodized salt, read labels carefully. A plain **white** salt block should be available at all times.

Iodine – AZ Copper Complete contains adequate iodine for horses eating up to 24 lbs or so of hay at maintenance or in work. Larger horses eating more hay will also receive a larger serving of supplement so should receive adequate iodine.

See the files on Magnesium Measurement, Salt Measurement for additional specific measurements at <http://groups.google.com/group/desertequinebalance/files>. The Resources.pdf file at the same link has more information and links related to Cushings/IR, EPSM/PSSM and general nutrition.

Ordering: To order AZ Copper Complete, call HorseTech at 1 (800) 831-3309 or email them at service@horsetech.com.

Specify **AZ Copper Complete - MS062010**

To obtain the 5% discount (which applies to all products you order from HorseTech) – you need to become a HorseTech Member.

Go to <http://www.horsetech.com/member-id.htm#Quick%20Links%20to%20Product%20Pages> or scroll down to the "Become a HorseTech Member" bar at the bottom of the HorseTech home page <http://www.horsetech.com>

AZ Copper Complete is available in 25 lb buckets, which provides 80 5-ounce (140 gram) servings. There are no additional shipping charges – shipping is included in the price of the supplement.

Sugar free Molasses or Apple flavoring can be added at no additional charge.

Questions?

AZ Copper Complete is a Custom Product formulated to my specifications. Therefore HorseTech does not carry the product specific information on their web site. All questions should be directed to Patti Woodbury Kuvik at DesertEquineBalance@gmail.com.