



Mineral Nutrition

The mineral program that pays you back

Why choose Payback® minerals?

Payback mineral forms the foundation of productive feeding programs. Visit www.paybacknutrition.com for more information.

	Proven performance	Ultimate performance with Zinpro® performance minerals
Spring / Summer	Cattle Mineral 12-6	Ultramin™ 12-6
Fall / Winter	Cattle Mineral 12-6 or Triple 12	Ultramin™ 12-12
60 Days Pre-Calving Until Green Grass	Triple 12 Plus	Ultramin™ 12-12

Payback Mineral Nutrition Benefits:

- Payback Ultramin™ minerals contain Zinpro® performance trace minerals at university recommended levels (1/3 from organic sources)
 - For improved immunity and reproductive performance especially in AI, embryo transfer, and heat synchronization programs
 - To overcome loss of production due to sulfates, molybdenum and iron in water and forages
- Payback minerals are fortified at 1.5 to 2.0 times the NRC trace mineral recommended levels
 - Higher levels meet cattle requirements at low consumption rates
- Payback minerals contain chelated iodine and copper chloride
 - For improved iodine and copper availability in the animal
- Payback minerals contain added magnesium
 - To aid in the prevention of grass tetany and winter tetany
- Payback minerals are highly palatable and contain no fillers or bentonite
- Payback minerals contain Diamond V Yeast®
 - For improved digestion and predictable consumption
- Payback minerals contain Xtra-Dry® for improved weather protection
- Payback mineral additive options include: Bio-Mos®, CTC, Bovatec®, Altosid IGR (fly control)

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Payback Mineral Solutions

	Ultramin™ 12-12 Plus	Ultramin™ 12-6 Plus	Distillers Pro Cattle Mineral	Stockmin 12-12 Plus	Triple 12 Plus	Cattle Mineral 12-6 Plus	Hi Mag
Ca (%)	12	12	28	12	12	12	12
P (%)	12	6	3	12	12	6	6
Salt (%)	3.5	4.5	14.5	5.5	12	20	13
Mg (%)	3.0	2.75	0	3.0	3.0	2.75	10
Co (ppm)	20	25	25	35	38	38	38
Iodine (ppm)	200	200	150	370	200	200	200
Mn (ppm)	3500	3500	2700	5800	3400	3300	3300
Cu (ppm)	2500*	2500*	1800	3500*	2200	2200	2200
Zn (ppm)	7500*	7500*	6000	7000	7500	7530	7500
Se (ppm)	36	36	25	53	35	35	17.5
Vit A	300,000	300,000	200,000	300,000	250,000	250,000	250,000
Vit D	30,000	30,000	20,000	20,000	25,000	25,000	25,000
Vit E	500	500	200	500	250	250	250
Thiamine	0	0	400	0	0	0	0

* Contains chelated source at university recommended levels

Proper mineral nutrition in animals improves digestion, nutrient absorption and metabolism, resulting in greater protein, energy and fiber digestion.

Trace Mineral Deficiency Symptoms

Copper:

- Reduced immunity
- Rough discolored coats
- Delayed estrus
- Embryonic death
- Decreased conception
- Delayed puberty

Zinc:

- Reduced immunity
- Decreased hoof health
- Increased dystocia
- Abnormal estrus

Manganese:

- Impaired reproductive performance
- Skeletal deformities
- Shortened tendons in new born calves
- Reduced birth weight

Other tips:

- Dietary molybdenum ties up copper 6 to 1
- Copper utilization is reduced with high levels of the antagonistic minerals molybdenum (in forage) and sulfate (in water)
- Sulfates tie up some trace minerals
- Heavy metals reduce the ability for cells to hold adequate levels of trace minerals
- Dietary zinc and copper ratios should not exceed 4 to 1
- Trace mineral deficiencies inhibit nutrient absorption and energy metabolism
- Trace mineral deficiencies reduce passive immunity from colostrum and reduce the animal's ability to build adequate vaccine titers

Manufactured By:
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