
















Livestock Mineral Recommended Use Schedule:

Use Period <i>Follow feeding instructions on tag.</i>	January	February	March	April	May	June	July	August	September	October	November	December
 Beef Max 2:1 Mineral	→											
 Mag-O-Min	→				→							
 Beef Breeder Mineral with Zinpro®	→											
 Fly Stop Beef/Dairy Mineral with Altosid®				→								
 Ru-Min 1620 Free Choice Cattle Mineral	→											
 Cattle Ru-Min 1200 Medicated	→											
 Graze-N-Gain Mineral Medicated					→							
 Bov-A-Min Extra Mineral Medicated	→											
 Fescue Grazing Beef Mineral					→							
 3:1 Dairy Mineral	→											
 1:1 Dairy Mineral	→											
 Dry Cow Conditioning Mineral	→											
 Buffer-N-Milk Pak	→											
 Top Choice Goat	→											
 Sheep Mineral 3:1	→											

The Dangers of Deficiencies.

Vitamin and mineral deficiencies in livestock can cause a variety of growth, developmental and health issues. That's why Southern States has formulated several farm-tested supplements to help you maintain a profitable herd. Listed here are some of the most common symptoms associated with poor nutrition.

Nutrient	Symptoms of Deficiency
Calcium	Poor bone development, growth and milk production; rickets. Delayed uterine involution, small corpus luteum, cystic ovaries, retained placenta.
Cobalt	Diarrhea, poor growth, rough and discolored hair coat, anemia, staggering gait, bone deformities and fractures. Anestrus, depressed fertility, depressed libido in bulls.
Copper	Poor appetite, listlessness, rough hair coat, reduced conception, anemia. Infertility, delayed onset of puberty, nonfunctional ovaries, birth of weak calves.
Iodine	Enlarged thyroid, listlessness, impaired fertility, growth retardation. Impaired ovarian activity, anestrus, infertility, retained placenta, birth of weak or hairless calves.
Iron	Anemia, listlessness, reduced milk production, anorexia.
Manganese	Delayed estrus, poor conception rate, deformed newborns, weak joints and legs. Anestrus, infertility, abortion, calves born with contracted tendons, small ovaries, dystocia.
Magnesium	Grass tetany, nervousness, poor bone development, reduced butterfat test, loss of hair, reduced appetite for fiber.
Phosphorus	Poor appetite, growth and bone development, rickets. Decreased breeding efficiency, testicular degeneration, anestrus, delayed onset of puberty, depressed fertility.
Potassium	Reduced feed intake and milk production, muscle weakness, loss of hair bloom, eating of wood fences.
Selenium	White muscle disease, retained placenta, infertility, susceptibility to infection, abortion, Birth of dead or weak calves.
Sulfur	Depraved appetite, emaciation, weakness, reduced cellulose digestion.
Vitamin A	Poor vision, coordination and reproduction.
Vitamin D	Poor utilization of calcium and phosphorus.
Vitamin E	Reproductive failure, muscle weakness, oxidized flavor in milk.
Zinc	Rough hair coat, stiff joints, swollen feet, hair loss, delayed wound healing, itching.

