

AGMIN NEWSLETTER

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Why Nutrimin Mineral Drench?

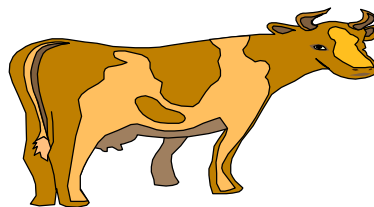
FARM PROFIT THROUGH BALANCED NUTRITION

When animal performance does not reach the farmers expectations, when the growth rates of animals do not meet target weights, when production levels or reproductive performance of mature animals is poor, **MINERAL DEFICIENCIES ARE MOST LIKELY THE CAUSE. THEREFORE YOUR ANIMALS NEED NUTRIMIN.**

What are the causes of mineral deficiencies & imbalances?

- 1) The soils are deficient in one or more trace elements and your livestock are grazing on these poor quality pastures.
- 2) Your livestock's nutrient intake may be limited by the low feed availability and usually low quality.
- 3) Worm burden can reduce the absorption of minerals.
- 4) Mineral deficiencies can predispose livestock to production limiting diseases such as gastrointestinal parasitism.
- 5) Large amount of feed can be available but intake may be limited by the forage fibre resistant to ruminal digestion, or by the presence of deleterious substances.

6) Seasonal mineral deficiencies can be the result of climatic conditions, delayed arrival of rain to start the usual growth season, the onset of drought in the normal season, or the early closure of the growth season because the absence of late rain.



7) Mineral deficiencies can be precipitated by the over zealous use of fertilizer additives e.g. excess molybdenum applied to ensure legume growth. This can produce copper and cobalt deficiency.

8) Availability of minerals can be affected by soil moisture. High soil moisture and/or reduced soil aeration can increase the availability of molybdenum, iron and manganese to plants which in turn affects the plants uptake of other minerals. In contrast the same conditions reduce the plants selenium concentration.

9) Rapid "lush" pasture growth due to favorable climatic conditions can also result in greatly reduced mineral herbage levels.

10) Changes in pasture composition can cause or alleviate the mineral deficiency problems:

- a) Grass dominance and fescues result in copper deficiency;
- b) Fescues, cocksfoot and phalaris produce cobalt deficiency;
- c) White clover, paspalum and kikuyu induces selenium deficiency;
- d) White clover and cruciferae causes iodine deficiency.

Why use Nutrimin Mineral Drench?

To eliminate mineral deficiencies, achieve a maximum growth, optimize animal performance and to safeguard mineral requirements, all essential for balanced animal nutrition.



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