

# MineralRocker microfeeder

- for grazing cattle and horses

for your supplements



For economic optimal and physiological correct free-choice supplementation with granulated / loose minerals

## Facts

- The mineral feeder prevents spill of minerals due to its self-raising effect and unique design.
- The top provides an efficient protection of the minerals against contamination with manure, urine and rainwater.
- The weight is 38 kg, the height 88 cm and the diameter 77 cm.
- One feeder will serve about 50 animals.
- Can hold up to 50 kg minerals, which for instance would cover a normal intake for 50 heifers for 2 weeks.
- Made of strong plastic, stainless steel (screws and bolt, etc.), and holds inside the bottom a cast iron block as contra weight - requires no maintenance.
- Colours are protected from bleaching by an UV-filter in the plastic material, and the feeder is frost durable.
- Design registered and patented.
- Can be delivered with a loop / u-bolt on the top to ease moving between fences.

## Convincing effects

### Production, reproduction and health

Practical trials have proven that supplementation with granulated minerals – apart from the direct economic advantages – gives considerable improvements in daily gain and reproduction traits:

- It was on basis of a trial in the Danish "Vildmosen" concluded that the daily gain was 30% higher for dairy heifers who had granulated minerals from a mineral feeder compared to a control group without minerals.
- A Swedish trial compared the use of granulated minerals with lick stones, and concluded that the daily gain was 13% better and the number of inseminations per pregnancy in the following winter 0.5 smaller for heifers that had been offered granulated minerals.

### Economy

The mineral feeder makes it possible to offer granulated or other free-choice supplement to livestock, which are grazing or kept in free-range systems. Supplementation with granulated minerals in a mineral feeder is physiologically superior to other methods, and is furthermore far the cheapest way of mineral supplementation:

- Molassed mineral licks (in bowls or buckets) are expensive alternatives to granulated minerals. They contain up to around 50% molasses and other organic feed materials, and hence only half of the content is minerals. The prices of mineral licks are furthermore typically twice as high per kilo as that of granulated minerals. Half content of minerals and double price means that it is four times as expensive to use mineral licks as to use granulated minerals.
- Lick stones is not a realistic mineral supplement. Lick stones contains typically more than 95% salt, and only around 1 % trace minerals and vitamins – some of them do as well contain small amounts of macro minerals, such as phosphorus, sulphur and magnesia. Lick stones are completely insufficient with respect to their ability to ensure an optimal livestock production. The hard consistence makes it impossible for the livestock to eat noteworthy amounts.

The investment in a MineralRocker is for most herds returned after just 2-4 months. You can see for yourself by making a calculation with MINERAL CALCULATOR at <http://www.microfeeder.com>.

