

Animal Nutrition Programme, Animal Sciences Institute, NARC

Multi-Nutrient Urea-Molasses Blocks for Livestock



**Feed Technology Unit at NARC
(Established. 1986)**



Multi-Nutrient Urea-Molasses Blocks in the Production Line

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Challenge:

- Some parts of Pakistan are low rain fed areas where feed resources are scarce.
- Occasional monsoon floods result in scarcity of fodder even in the irrigated areas.
- In such situations, it is important to find a low cost and easily transportable feeding material for supporting livestock.

PARC Intervention:

- For the challenge of providing a low cost and easily transportable material in disaster hit areas, urea-molasses block technology has been the focal point of research since 1980's.
- In 1990, production of Urea-Molasses Blocks was started at NARC with the aim of demonstration to the interested industrialists.
- Our recent innovation in Urea-Molasses Block technology is to supplement these blocks with required minerals along with the change in urea release dynamics using herbal extracts.

Outcomes:

- The Urea-Molasses blocks have proven as an alternate feed material during fodder scarcity and disaster conditions.
- Since its inception, over 25 small/medium UMB producers have been established through direct assistance of the Animal Nutrition Programme's scientists.

Way Forward:

- Continue refinement of UMB formulation for improving their efficiency and making UMB good, economical and easy to feed for low producers or dry ruminants especially small ruminants in winter when feed is scarcity is at peak.
- As a result of these efforts, new formulas are expected which will be more economical and efficient.