

## UREA MOLASSES LIQUID DIET (UMLD) FOR LIVESTOCK

In many parts of the country, natural calamities like floods and droughts are recurring features, which have adverse effect on agricultural production in general and on livestock production in particular. Survival of livestock at minimum cost, using alternate/possible feeding strategies is the primary aim during such adverse circumstances. Due to the inaccessibility and transportation difficulties of bulky material, the availability of traditionally used feed/fodder becomes unassured.

Molasses being rich in energy and sulphur, and have high bulk density can be used as potential drought/scarcity feed after supplementing deficient nutrients viz., protein, minerals and vitamins required for essential body processes. The Indian Veterinary Research Institute (IVRI), Izatnagar has standardized urea molasses liquid diet (UMLD) for feeding as survival ration to growing cattle and buffaloes for longer duration.

### MATERIALS REQUIRED

#### For 100 kg UMLD

- Molasses 84 kg
- Protein pellets 10 kg
- Urea 3 kg
- Mineral mixture 2 kg
- Phosphoric acid 1 g, and
- Vitamin supplement (Vitablend), 25 g/100 kg

#### Constituents

##### Protein pellets containing (on % dry matter basis)

- Deoiled mustard cake, 23
- Mustard oil cake 11

- Crushed jowar grain, 10
- Molasses, 10
- Guar corma, 9
- Cotton seed meal, 8
- Deoiled ground nut meal, 7
- Rice polish, 6
- Wheat bran, 4
- Malt sprout, 3
- Maize gluten, 3
- Deoiled rice bran, 2
- Mineral mixture, 2
- Common salt, 2

## PREPARATION

To prepare UMLD, Urea is mixed in the molasses and left overnight in a plastic trough. Next morning, it is shaken well and other ingredients are mixed.

## ADVANTAGE

It can be used as a survival ration during scarcity like floods/droughts.

## ECONOMICS

Being a survival diet, UMLD can save lives of millions of precious livestock. However, the cost of the feed is about Rs 250/quintal.

*For more details contact:*

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