

“ENRICHMENT OF POOR QUALITY ROUGHAGES WITH UREA”

Introduction :

Poor quality roughages like straws and stovers are generally burned or decomposed in the field itself but this can be very well utilised like a filler material for low producing animals. These low quality roughages can be enriched with urea treatment.

Procedure:

The poor quality roughages like paddy straw , jowar straw or mature grasses are treated with urea water (4 kg urea + 40 litre water) and moisture level is kept 40 % , which is then stored in airtight condition for a period of 21 days till residual ammonia is removed.

Advantages :

The urea treatment breaks the lignocellulose complex and also add nitrogen to the fodder thereby increases its protein value.

Precautions :

The treated straw will be fed after the exposure to air for atleast 10 mins. Uniform spraying of urea water on straws is needed.



1
Weighing of paddy straw (100 Kg) and urea 4 kg.



2
Dissolve 4 kg urea in 40 litres water



3
Spreading of paddy straw over polythene sheet



4
Sprinkling of urea water on paddy straw



5
Stamping of treated straw



6
Complete closure of treated straw in polythene sheet for 21 days

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