

# Ministry of Agriculture and Fisheries

## RESEARCH AND DEVELOPMENT DIVISION

### Climate Smart Feed-System

## Fodder Conservation -Silage Making

**Process**-Anaerobic fermentation (process that is 100% natural and is carried out by organisms)

#### EXAMPLES OF SILAGE BINS

Plastic drums  
Plastic bag  
Pit  
Silo

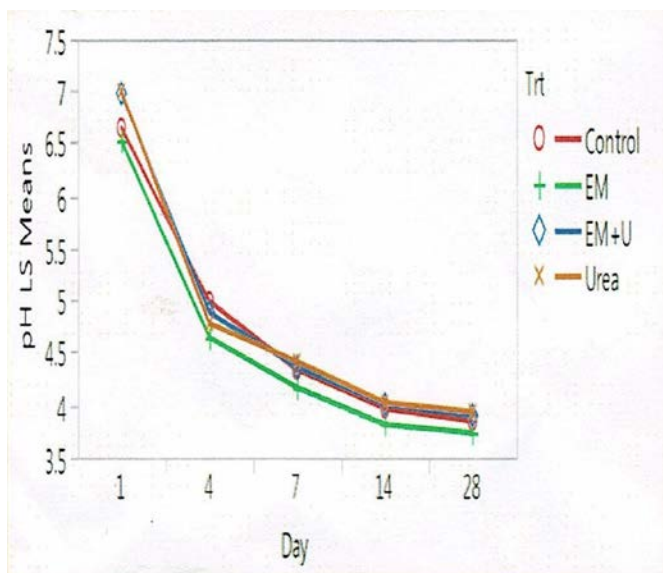
#### FACTORS AFFECTING SILAGE

AIR  
Dry Matter (DM)  
PH  
Density

LOCAL INGREDIENTS	NUTRIENTS PROVIDED	PURPOSE
Urea	Protein	Amino acids that are used to build the proteins for muscles, membranes, enzymes and milk
Wheat Midling	Fibre	Increase digestibility
Leucaena	Crude Protein	Nitrogen source
Molasses	Carbohydrates	For palatability (taste) and as an energy source
Fodder (GRASS)	Fibre	Increase digestibility and grass sugar produces lactic acid which lowers the pH and prevents the growth of spoilage micro-organisms, allowing a stable preservation of the silage

### INGREDIENTS

#### Quality check-Ideal PH range



3.5-4.5

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