CATTLE FARMING

VI Sem B.Sc. Zoology - Elective Paper

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COMMON FEEDS & FODDER

ROUGHAGES

- FEEDS LARGE AMOUNTS OF FIBRE OR NON-DIGESTIBLE MATERIAL - ROUGHAGES
- HAYS, SILAGE, FODDER AND OTHERS
- LEGUMES PEAS, SOYABEAN, BEANS -EXCELLENT SOURCE OF PROTEINS, MINERALS AND VITAMINS
- CORN SILAGE EXCELLENT SOURCE OF ENERGY















GRASSES - NAPIER AND SUDAN - GOOD ROUGHAGES

HAY - LOW ENERGY, PROTEIN, MINERAL AND VITAMIN CONTENT - GIVEN AS ADDITIONAL FIBRE





Napier grass

Sudan Grass

CONCENTRATES

MIXTURE COMPOSED OF GRAINS, PROTEIN SUPPLEMNETS, BY PRODUCTS, MINERAL, VITAMINS AND ADDITIVES

ONCNETRATES - MAKE UP NUTRIENT DEFICIT



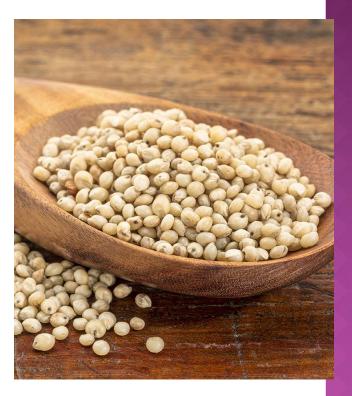
BEST SOURCE OF ENERGY
MAIZE, OATS, BARLEY AND JOWAR
SHELLED CORN - HIGHEST ENERGY GRAIN
BARLEY ALSO SUBSTITUTED FOR CORN
WHEAT AND RICE NOT USED - HIGH PRICE



• Barley

• Jowar





SHELLED CORN





COTTON SEED CAKE



PROTEIN SUPPLEMENTS

- ANY FEED WITH MORE THAN 20% OF PROTEIN
 PROTEIN CONCENTRATE
- MIXED WITH GRAINS AND ROUGHAGES -INCREASE PROTEIN CONTENT
- SOYABEAN, LINSEED, COTTON SEED, GROUND NUT MEAL
- MEAT SCRAPS, FISH MEAL, DRIED SKIM MILK, DRIED BUTTER MILK

ADDITIVES

- Do not contain nutrients improve functions in other ways
- Increase appetite and improve feeding efficiency
- Antibiotic usage drug residues in milk and development of resistant strains of bacteria
- Vitamin concentrates essential for young animals
- Fish liver oil Vit A & D
- Wheat germ oil Vit E

