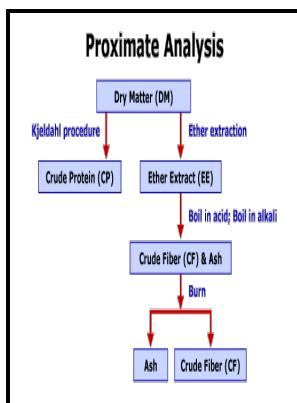


Applied animal nutrition - the use of feedstuffs in the formulation of livestock rations.

W. H. Freeman - Animal Nutrition

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Animal nutrition.
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Tags: #Animal #Nutrition

Animal Nutrition

Digestion includes the ingestion of feeds, the physical and chemical reduction to simple products for absorption from the digestive tract and the subsequent elimination of indigestible residues. Cattle and lambs being readied for market are often fed a ration based almost entirely on cereal grains. Cereals Cereal grains contain substantial quantities of readily available carbohydrates, sugars, starches, fats or oils.

Animal Nutrition

With hay and haylage the goal in harvesting the plants is to optimize the yield, which increases with maturity, and also to maximize digestibility, which decreases rapidly with maturity. The protein is very digestible and is very high in lysine, which makes it a good protein source to supplement feed cereal grains. Thus, these animals are carnivores, feeding almost entirely on animal tissue although some nutrients can also be obtained from high

A series of college texts in agricultural science Applied animal nutrition - the use of feedstuffs in the formulation of livestock rations.
Notes: Includes bibliography.
This edition was published in 1956



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available for growth or production.

quality plant material like hulled grains or tubers that contain starch rather than cellulose.

Animal Nutrition

Disease Nutrients must be used to support the bodily defence mechanisms to overcome diseases so they are not

Animal Nutrition

The colon acts more as a passage of ileal and cecal digesta than as a fermenter or absorber. Cells forming animal tissues contain nuclei and other organelles in a fluid or semi-fluid matrix cytoplasm bounded by a simple plasma membrane.

Animal Nutrition

Many of these feeds are by-products of industries that produce a product destined for human consumption. In contrast, digestion of complex plant tissue requires retention of ingested feeds for a considerable period under conditions suitable for microbial fermentation. After ingestion by another animal, this plasma membrane breaks easily, liberating glycogen, protein and other constituents for digestion by enzymes secreted from the lining of the digestive system.

Animal Nutrition

Forage quality is very dependent on the amount of moisture in the plant at harvest which affects the nutrient loss during storage. While much of the starch has been removed, they are still good sources of energy. It may be purchased either flaked or pelleted and may have molasses added to it.

Animal Nutrition

Plant tissues obviously contain considerable mineral but the actual content can vary with stage of maturity and soil conditions.

Animal Nutrition

The digestion of the dietary fractions which would also be available to the monogastric ie. Grains are stored generally at 10-15% moisture but high energy cost associated with drying has contributed to the current popularity of high moisture corn. Successful management involves manipulating facilities, feeds and animals so that a substantial proportion of provided nutrients can be used for production.

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