

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

W. H. Freeman - Animal Nutrition

Description: -

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âEtats-Unis

Woodlands (Tex.)

United States

Planned communities

Columbia (Md.)

Collectivités nouvelles

Case studies

Cas, âEtudes de

General

Architecture / General

Sociology - Urban

Texas

Maryland

California

Sociology

Science

Irvine (Calif.)

Science/Mathematics

New towns - design & planning

City & town planning - architectural aspects

Dictionaries, Polyglot.

Technology -- Dictionaries -- Polyglot.

Italian poetry -- 20th century -- Translations into English

Italian poetry -- 20th century

Promissory notes -- United States.

Motion picture actors and actresses -- United States -- Biography.

Chaplin, Charlie, 1889-1977.

Crnjanski, Miloš, 1893-

Crnjanski, Miloš, 1893- -- Drama.

Time management.

Business.

Success in business.

Midlands (England) -- Fiction.

Sisters -- Fiction.

Male friendship -- Fiction.

Women -- England -- Fiction.

Coal mines and mining -- Fiction.

Conduct of life

Success

Happiness

Happiness -- Religious aspects

Animal nutrition.

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

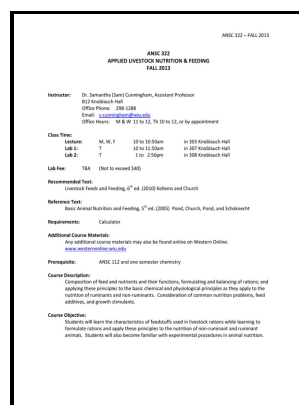
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A series of college texts in agricultural scienceApplied animal nutrition

- the use of feedstuffs in the formulation of livestock rations.

Notes: Includes bibliography.

This edition was published in 1956



Tags: #Animal #Nutrition

## Animal Nutrition

The small intestine, about 125 cm long in a mature chicken, is made up of the duodenum, jejunum and the ileum. The gizzard further degrades the ingesta to prepare for digestion in the small intestine.

## Animal Nutrition

The caecum and colon hind gut retrieve any nutrients, primarily water and electrolytes, remaining in the digesta as it leaves the small intestine. 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. Contraction of the muscular pillars in the rumen and the reticulum produce rhythmic mixing and moving of the ingesta throughout the rumen and reticulum.

## Animal Nutrition

Temperate pastures can only be used as a feed source for a few months of the year,



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be absorbed.

### **Animal Nutrition**

The protein level is 25-30% and low in lysine, but high in methionine. Fish meal must be dried down to 15% moisture and have the fat content reduced to a maximum of 10%. This process 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.

### **Animal Nutrition**

Maintenance requirements A dairy cow producing 6,000kg per lactation has the same maintenance requirements as a cow of similar body size that produces 12,000 kg.

### **Animal Nutrition**

These animals have well developed caeca and large intestines that contain numerous symbiotic micro-organisms possessing the ability to ferment cellulose.

### **Animal Nutrition**

The next compartment is the omasum whose interior is partially filled by a number of longitudinal folds or leaves.

so forages must be harvested and stored as hay, haylage or silage to provide feed during the nongrowing seasons. In addition to producing several hormones, the pancreas secretes a number of digestive enzymes lipase, amylase, trypsinogen, chymotrypsinogen that are essential for breaking down complex feed components and liberating the nutrients in forms that can

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