

Carbohydrates

Crude Fiber is a type of _____ found in _____

Ash is a measure of

Limitations of Proximate Analysis

What method overcomes the limitations of CF ?

What 2 fractions are defined in this method?

NDF = Cellulose and Hemicellulose

ADF = Cellulose and Lignin

If ADF is High, What happens to digestibility?

Which is stronger: Alpha bonds or Beta bonds?

What can break this bond?

What is the 5 carbon sugar found inside the cell ?

What is the 6 sugar carbon not found in the cell?

What bond has the OH pointing down in glucose?

What bond has the OH pointing up in glucose?

What nonstructural carbohydrate is for plant energy storage ?

What percent of starch does Amylose account for?

What type of linkage does Amylose have?

What non-structural carbohydrate is more highly branched plant energy storage ?

What percent of starch does Amylopectin account for?

What type of linkage does Amylopectin have ?

What type of bond and linkage does cellulose have?

What is the purest form of cellulose?

What structural Non-Carbohydrate encases the cellulose and hemicellulose to enhance rigidity of plant cells ?

Who can digest it?

What structural non-carbohydrate physically encrusts plant fibers in some straws and native grass?

What can happen when ruminants consume high silica plant material?

Amylase breaks down =