

Agronomy CDE – Appendix I

Sample Questions for Hay Judging that will be either multiple choice or true/false.

All questions can be answered from MU Guide Sheets G3150, G3160, and G3161

- How is crude protein calculated?
 - total nitrogen
 - NDF minus ADF
 - total nitrogen times 6.25**
 - TDN divided by 6.25
- What does AD Fiber stand for?
 - acid detergent fiber**
 - acid digestible fiber
 - adjusted detergent fiber
 - adjusted digestible fiber
- ADF is used to determine what value?
 - Total Digestible Nutrients
 - Net Energy maintenance
 - Net Energy Gain and Lactation
 - all of the above**
- Which factor is a good measure of intake?
 - AD Fiber
 - TDN
 - crude protein
 - ND Fiber**
- If hay sample A has 10% CP and cost \$110/ton and hay sample B has 15% CP and cost \$120/ton, which is the better buy in terms of CP?
 - A
 - B**
- Which hay sample would be best for dairy cattle?
 - A
 - B
 - C
 - D
- Which sample has the highest Crude protein?
 - A
 - B
 - C
 - D
- Which sample has the lowest Relative Feed Value?
 - A
 - B
 - C
 - D
- What is the difference between As-Fed Basis and Dry-Matter basis?
 - none
 - Dry-Matter basis is determined by adding percent water
 - Dry-Matter basis is determined by subtracting percent water**
 - As-Fed Basis is determined by subtracting percent water.
- When you subtract _____ from NDF the results equal the amount of hemicellulose.
 - NDF
 - ADF**
 - TDN
 - relative feed value