



Type: Misc-unknown
Farm: NEXTGEN BIO SOLUTIONS
Desc: FEED
STEARNS DHIA LABORATORIES STEARNS
STEARNS DHIA LABORATORIES-

Copies to: NEXTGEN BIO SOLUTIONS
STEARNS DHIA LAB
Regression: OH

Lab ID: 29219 128
Sampled: 09/22/2020
Arrived: 09/23/2020
Completed: 10/08/2020
Reported: 10/08/2020

FEED

SAMPLE INFORMATION

Lab ID: 29219 128 Series:
 Crop Year: Version: 1.0
 Cutting#:
 Feed Type: Misc-unknown

CHEMISTRY ANALYSIS RESULTS

Moisture 81.8
 Dry Matter 18.2

PROTEINS % SP % CP % DM

Crude Protein 12.7
 Adjusted Protein 83.9 10.7
 Soluble Protein 4.4 0.6
 Ammonia (CPE)
 ADF Protein (ADICP) 26.8 3.41
 NDF Protein (NDICP) 47.7 6.07
 NDR Protein (NDRCP)
 Rumen Degr. Protein

FIBER % NDF % DM

ADF 70.6 38.2
 aNDF 54.2
 aNDFom
 NDR (NDF w/o sulfite)
 Crude Fiber
 Lignin
 NDF Digestibility (12 hr)
 NDF Digestibility (24 hr)
 NDF Digestibility (30 hr)
 NDF Digestibility (72 hr)
 NDF Digestibility (240 hr)
 uNDF (30 hr)
 uNDF (240 hr)

CARBOHYDRATES % Starch % NFC % DM

Silage Acids
 Ethanol Soluble CHO (ESC-Sugar)
 Water Soluble CHO (WSC-Sugar)
 Starch
 Soluble Starch
 Soluble Fiber
 Starch Digestibility (7 hr)
 Crude Fat 10.50
 Fatty Acids, Total (%DM)
 Acid Hydrolysis Fat

MINERALS

Ash (%DM) 17.35
 Calcium (%DM) 2.06
 Phosphorus (%DM) 0.21
 Magnesium (%DM) 0.27
 Potassium (%DM) 0.47
 Sulfur (%DM)
 Sodium (%DM) 0.32
 Chloride (%DM)
 Iron (PPM) 4756
 Manganese (PPM) 125
 Zinc (PPM) 50
 Copper (PPM) 14
 Molybdenum (PPM)

FERMENTATION

pH
 Total VFA
 Lactic Acid (%DM)
 Lactic as % of Total VFA
 Acetic Acid (%DM)
 Propionic Acid (%DM)
 Butyric Acid (%DM)
 Isobutyric Acid (%DM)
 1, 2 Propanediol (%DM)
 Nitrate Ion (%DM)

ENERGY & INDEX CALCULATIONS

TDN (%DM) 70.8
 Net Energy Lactation (Mcal/lb) 0.73
 Net Energy Maintenance (Mcal/lb) 0.81
 Net Energy Gain (Mcal/lb) 0.53
 ME (Mcal/lb) 1.23
 NDF Dig. Rate (Kd, %HR, Van Amburgh, Lignin*2.4)
 NDF Dig. Rate (Kd, %HR, Van Amburgh, iNDF)
 Relative Feed Value (RFV)
 Relative Forage Quality (RFQ)
 Milk per Ton (lbs/ton)
 Dig. Organic Matter Index (lbs/ton)
 Non Fiber Carbohydrates (%DM) 11.3
 Non Structural Carbohydrates (%DM)
 DCAD (meq/100gdm)

Additional sample information, submitted documents and lab pictures linked to QR code

