

FEED AND FORAGE ANALYSIS REQUEST FORM



Date: _____ Account Name & Branch Location: _____

Farm/Feeder:	Storage Type	Cutting No.	Treated?
Sample ID #1:			Yes or No
Sample ID #2:			Yes or No
Sample ID #3:			Yes or No

NEAR INFRARED REFLECTANCE (NIR) SPECTROSCOPY ANALYSIS PACKAGES

①	②	③	Comprehensive Nutrition: TTNDFD (Combs, 2012), 0, 3, 7, & 16 hr. <i>in situ</i> Starch D, Dynamic NDF k_d , Dynamic Starch k_d , Moisture, Protein, ADICP, NDICP, ADF, aNDF/aNDFom, Fat (EE), Total & Individual Fatty Acids, Ash, Lignin, Soluble Protein, Sugar (WSC), Starch, Ca, P, K, Mg, S, pH, Milk 2006 Energy Calcs, Fermentation Products, CNCPS Inputs, & Total Amino Acids
①	②	③	Dynamic CNCPS: TTNDFD (Combs, 2012), 7 hr. <i>in situ</i> Starch D, Dynamic NDF k_d , Dynamic Starch k_d , Moisture, Protein, ADICP, NDICP, ADF, aNDF/aNDFom, Fat (EE), Ash, Lignin, Soluble Protein, Sugar (WSC), Starch, Ca, P, K, Mg, S, pH, Milk 2006 Energy Calcs, Fermentation Products, & CNCPS v6.5 inputs
①	②	③	Dynamic NDFD: TTNDFD (Combs, 2012), Dynamic NDF k_d by using 24, 30, & 48 hr. NDFD, Moisture, Protein, ADICP, NDICP, ADF, aNDF/aNDFom, Fat (EE), Ash, Lignin, Soluble Protein, Sugar (WSC), Starch, Ca, P, K, Mg, S, pH, Milk 2006 Energy Calcs, and Fermentation Products
①	②	③	Corn Grain Digestibility: (HMSC and Snaplage only) 7 hr. <i>in situ</i> Starch D, Moisture, Protein, ADICP, NDICP, ADF, aNDF/aNDFom, Fat (EE), Ash, Lignin, Soluble Protein, Sugar (WSC), Starch, Ca, P, K, Mg, S, pH and NRC 2001 Energy Calcs
①	②	③	NDF Digestibility: Choose 30, or 48 hr. time point (default is 48 hr.), Moisture, Protein, ADICP, NDICP, ADF, aNDF/aNDFom, Fat (EE), Ash, Lignin, Soluble Protein, Sugar (WSC), Starch, Ca, P, K, Mg, S, pH, & Milk 2006 Energy Calcs
①	②	③	NIR Extra: Moisture, Protein, ADICP, NDICP, ADF, aNDF/aNDFom, Fat (EE), Ash, Lignin, Soluble Protein, Sugar (ESC), Starch, Ca, P, K, Mg, S, pH & NRC 2001 Energy Calcs. (Starch analysis on corn silage, small grain silage, or corn grain only.)
①	②	③	TMRs by NIR: Moisture, Protein, ADICP, NDICP, ADF, aNDF/aNDFom, Fat (EE), Ash, Lignin, Soluble Protein, Sugar (ESC), Starch, & NRC 2001 Energy Calcs
①	②	③	Complete Equine: Sugar (WSC), Digestible Energy KER, Moisture, Protein, ADICP, NDICP, ADF, aNDF/aNDFom, Soluble Protein, Starch, Ca, P, K, Mg, S, & pH
①	②	③	Distiller's Grains by NIR: 16 hr. Rumen <i>in situ</i> RUP and DMD, Moisture, Protein, ADF, aNDF/aNDFom, Fat (EE), Ash, Lignin, Soluble Protein, Starch, pH, & NRC 2001 Energy Calcs
①	②	③	Comprehensive Commodities: Moisture, Protein, ADF, NDF, Fat (EE), Ash with 12, 30, 72, 120, Crude Fiber, & NDFD (No Lignin)
①	②	③	Commodities by NIR: Moisture, Protein, ADF, NDF, Fat (EE), Crude Fiber, & Ash
①	②	③	Major Minerals: (with DCAD) Ca, P, K, Mg, S, Na, & Cl ① ② ③ Total Minerals (with DCAD) Ca, P, K, Mg, S, Na, Cl, Zn, Mn, Cu, Fe, & Al

WET CHEMISTRY ANALYSIS PACKAGES

WET CHEMISTRY ANALYSIS ADD-ON MENU

①	②	③	TMR-D: Moisture, Protein, aNDF, Fat, Ash, Starch, TMR & Digestibility measures	①	②	③	Protein
①	②	③	Moisture/Protein	①	②	③	Soluble Protein
①	②	③	Base Mix Check: Moisture, Protein, Ca, P, K, Mg, & S	①	②	③	ADF
①	②	③	Simple Feed: Moisture, Protein, ADF, Ca, P, K, Mg, & S	①	②	③	NDF
①	②	③	Simple Feed Plus NDF: Moisture, Protein, ADF, NDF, Ca, P, K, Mg, & S	①	②	③	Crude Fiber
①	②	③	Core Nutrient: Moisture, Protein, ADF, aNDF, Fat, Ash Ca, P, K, Mg, & S	①	②	③	Lignin
①	②	③	Core Nutrient Plus Energy: Moisture, Protein, ADFCP, NDICP, ADF, aNDF, Fat, Ash, Lignin, Starch, Ca, P, K, Mg, S, & NRC 2001 Energy Calcs.	①	②	③	Fat
①	②	③	Commodity Core Nutrient and Energy Check: Moisture, Protein, ADICP, NDICP, ADF, aNDF, Fat, Ash, Lignin, Ca, P, K, Mg, S, & NRC 2001 Energy Calcs.	①	②	③	Nitrate
①	②	③	Whey and Liquid Feed: Moisture, Protein, aNDF, Fat, Ash, Ca, P, K, Mg, Cl, Na, & S	①	②	③	Starch
①	②	③	Swine Energy Analysis: Moisture, Protein, ADF, aNDF, Fat, Ash, Ca, P, K, Mg, & S	①	②	③	Sugar
①	②	③	TMR Mixer Accuracy: (4 samples) Moisture, Protein, Salt, Ca, P, K, Mg, & S	①	②	③	Individual Sugars
①	②	③	Feed Mill Mixer Evaluation: (10 samples) Moisture, Zn, & Mn	①	②	③	Salt (Calculated from Chloride)
①	②	③	Yeast and Mold Count	①	②	③	Non-Protein Nitrogen
①	②	③	Yeast and Mold Count with Species Identification	①	②	③	Ash
①	②	③	Rapid Mold and Yeast Count (No Identification)	①	②	③	pH
①	②	③	Toxin (Circle toxin): DON, Zearalenone, T-2, Fumonisin, Aflatoxin, & Ochratoxin	①	②	③	Selenium
①	②	③	Basic Mycotoxin Screen: Aflatoxins B1, B2, G1, & G2; DON; T-2; & Zearalenone	①	②	③	Molybdenum
①	②	③	Comprehensive Mycotoxin Screen: Aflatoxins B1, B2, G1, & G2; DON; T-2; Zearalenone; Fumonisin; & Ochratoxin	①	②	③	Grain Particle Size
①	②	③	Fecal Starch with Total Tract Starch Digest. (Circle one: Dairy Beef Calf)	①	②	③	Berry Processing Score
①	②	③	TMR Hygiene: Comprehensive Nutrition (NIR), Mold and Yeast with ID, Vomitoxin, T-2, Clostridium, Enterobacteria, & 7h Starch Digestibility	①	②	③	24, 30, 48, or 240h <i>in vitro</i> Fiber D (circle one)
Additional Comments or Requests:				①	②	③	7h Rumen <i>in situ</i> Starch Digestibility
				①	②	③	16h Rumen <i>in situ</i> RUP
				①	②	③	Protein Intestinal Digestion
				①	②	③	3-Step 16 hr. RUP and Intestinal Digestibility
				①	②	③	Ross/Multi-Step Protein Evaluation
				①	②	③	Fermentation Products: pH, NH ₃ -N, 6 Fermentation Acids, Ethanol, & Fermentation Shrink (DM Loss, Goeser et al. 2015)
				①	②	③	Advanced Fermentation Products: pH, NH ₃ -N, 6 Fermentation Acids, 6 Fermentation Alcohols, Ethyl Lactate, Ethyl Acetate & Fermentation Shrink (DM Loss, Goeser et al. 2015)

Representative: _____