

NIR Packages

NIR Basic*

Dry Matter	pH (silages only – wet chemistry)
Moisture	Calculated Values:
Crude Protein	TDN
Soluble Protein	NEL
ADF Protein	NEM
NDF Protein	NEG
ADF	ME
NDF	NFC
NDFom	NSC
Lignin	RFV (Alfalfa & Grass Forages only)
Starch	
Sugar	
Fat	
Ash	
Calcium (Ca)	
Phosphorus (P)	
Magnesium (Mg)	
Potassium (K)	

*actual components will vary with feed type

NIR Basic with Wet Chemistry CP, ADF, NDF *

Includes all analysis listed under NIR Basic, except Crude Protein (CP), Acid Detergent Fiber (ADF), and Neutral Detergent Fiber (NDF) are analyzed using Wet Chemistry methods instead of NIR

NIR Packages

NIR Plus*

Includes all analyses listed under NIR Basic plus

30, 120 & 240 hour NDF Digestibilities

uNDF at 30, 120 & 240 hours

(digestibility & uNDF are reported as % DM, % NDF,
% NDFom on DM basis and % NDFom on NDF basis)

24 hour NDF Digestibility (TMRs only)

Fermentation Acids (Silages only)

Total Fatty Acids

Soluble Fiber

7 hour Starch Digestibility (Corn Silage, Earlage, Corn Grain)

Calculated Values:

NDF Digestion Rate (kd, %hr, VanAmburgh)

RFQ

Schwab/Shaver NEL (Corn Silage)

Milk per Ton (Corn Silage)

*actual components will vary with feed type

NIR Plus with Wet Chemistry CP, ADF, NDF *

Includes all analysis listed under NIR Basic and NIR Plus, except Crude Protein (CP), Acid Detergent Fiber (ADF), and Neutral Detergent fibers (NDF) are analyzed using Wet Chemistry methods instead of NIR

Apparent Nutrient Digestibility

Includes an NIR evaluation of a high group TMR and associated fecal matter to generate an evaluation of apparent NDF and starch digestibilities

Samples that require supplemental processing will incur an additional fee of \$10. These include, but are not limited to submissions with excess fat, excess sugar, and several "whole plant/intact" submissions such as: whole corn stalks, long grasses, whole potatoes, and whole corn ears.