

# FEED & FORAGE ANALYSIS

## FEED ANALYSIS: WET CHEMISTRY

<b>F-1</b>	<b>PROTEIN</b> _____	<b>\$14.00</b>
	<i>Moisture, Dry Matter, Crude Protein</i>	
<b>F-2</b>	<b>PROTEIN AND BEEF ENERGY</b> _____	<b>\$22.25</b>
	<i>Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF) Calculated Beef Cattle Energy Values: TDN, NE<sub>m</sub>, NE<sub>g</sub>, NE<sub>i</sub>; Calculated upon request: Horse Energy Value: DE</i>	
<b>F-3</b>	<b>PROTEIN, BEEF ENERGY, AND MINERALS</b> _____	<b>\$37.25</b>
	<i>Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), Calcium, Phosphorus, Potassium, Magnesium, Zinc, Iron, Manganese, Copper, Sulfur, Sodium, Molybdenum Calculated Beef Cattle Energy Values: TDN, NE<sub>m</sub>, NE<sub>g</sub>, NE<sub>i</sub>; Calculated upon request: Horse Energy Value: DE</i>	
<b>F-4</b>	<b>PROTEIN, RFV, AND MINERALS</b> _____	<b>\$46.00</b>
	<i>Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), amylase-treated Neutral Detergent Fiber (aNDF), Calcium, Phosphorus, Potassium, Magnesium, Zinc, Iron, Manganese, Copper, Sulfur, Sodium, Molybdenum Calculated: Relative Feed Value (RFV) Calculated Beef Cattle Energy Values: TDN, NE<sub>m</sub>, NE<sub>g</sub>, NE<sub>i</sub>; Calculated upon request: Horse Energy Value: DE</i>	
<b>F-5</b>	<b>PROTEIN AND RFV</b> _____	<b>\$30.75</b>
	<i>Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), amylase-treated Neutral Detergent Fiber (aNDF) Calculated: Relative Feed Value (RFV) Calculated Beef Cattle Energy Values: TDN, NE<sub>m</sub>, NE<sub>g</sub>, NE<sub>i</sub>; Calculated upon request: Horse Energy Value: DE</i>	
<b>F-6</b>	<b>PROTEIN AND MINERALS</b> _____	<b>\$29.25</b>
	<i>Moisture, Dry Matter, Crude Protein, Calcium, Phosphorus, Potassium, Magnesium, Zinc, Iron, Manganese, Copper, Sulfur, Sodium, Molybdenum</i>	
<b>F-7</b>	<b>LIQUID FEED SUPPLEMENT</b> _____	<b>\$40.50</b>
	<i>Moisture (Karl Fischer), Dry Matter, Crude Protein, Calcium, Phosphorus, Potassium, Magnesium, Zinc, Iron, Manganese, Copper, Sulfur, Sodium, Molybdenum</i>	
<b>F-8</b>	<b>MINERAL PACKAGE</b> _____	<b>\$23.75</b>
	<i>Moisture, Dry Matter, Calcium, Phosphorus, Potassium, Magnesium, Zinc, Iron, Manganese, Copper, Sulfur, Sodium, Molybdenum</i>	
<b>F-9</b>	<b>NITRATE</b> _____	<b>\$13.75</b>
	<i>Moisture, Dry Matter, Nitrate-Nitrogen (NO<sub>3</sub> -N)</i>	
<b>F-10</b>	<b>BEEF RATIONS</b> _____	<b>\$43.50</b>
	<i>Recommended for Beef Rations Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), Fat, Calcium, Phosphorus, Potassium, Magnesium, Zinc, Iron, Manganese, Copper, Sulfur, Sodium, Molybdenum Calculated Beef Cattle Energy Values: TDN, NE<sub>m</sub>, NE<sub>g</sub>, NE<sub>i</sub>; Calculated upon request: Horse Energy Value: DE</i>	
<b>F-11</b>	<b>PROXIMATE ANALYSIS</b> _____	<b>\$37.50</b>
	<i>Recommended for poultry feeds and novel/unique feedstuffs Moisture, Dry Matter, Crude Protein, Crude Fiber, Fat, Ash, Calculated: Nitrogen Free Extract Calculated Beef Cattle Energy Values: TDN, NE<sub>m</sub>, NE<sub>g</sub>, NE<sub>i</sub>; Calculated Upon Request Poultry Energy Value: ME<sub>n</sub></i>	
<b>F-12</b>	<b>SWINE INGREDIENTS</b> _____	<b>\$35.75</b>
	<i>Recommended for swine ingredients Moisture, Dry Matter, Crude Protein, amylase-treated Neutral Detergent Fiber (aNDF), Fat, Ash Calculated Upon Request Swine Energy Values: GE, DE, ME</i>	
<b>F-13</b>	<b>SWINE DIETS</b> _____	<b>\$61.25</b>
	<i>Recommended for swine ingredients or diets Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), amylase-treated Neutral Detergent Fiber (aNDF), Fat, Ash, Starch Calculated Beef Cattle Energy Values: TDN, NE<sub>m</sub>, NE<sub>g</sub>, NE<sub>i</sub>; Calculated Upon Request Swine Energy Values: GE, DE, ME, NE</i>	



# FEED & FORAGE ANALYSIS

## FEED ANALYSIS: WET CHEMISTRY

### NEAR INFRARED SPECTROSCOPY (NIRS)

#### LEGUME, GRASS, MIXED SPECIES HAY, FRESH FORAGE, & HAYLAGE \_\_\_\_\_ \$19.50

Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), amylase-treated Neutral Detergent Fiber (aNDF), Calcium, Phosphorous, Potassium, Magnesium, Ash, NDFD48, IVTDMD48, Fat, Lignin, Non-Fiber Carbohydrates (NFC), Starch, Ethanol Soluble Carbohydrates (ESC), Water Soluble Carbohydrates (WSC)

Calculated: Relative Feed Value (RFV) Relative Forage Quality (RFQ)

Calculated Beef Cattle Energy Values: TDN,  $NE_m$ ,  $NE_g$ ,  $NE_l$

Calculated upon request: Horse Energy Value: DE

#### CORN SILAGE \_\_\_\_\_ \$19.50

Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), amylase-treated Neutral Detergent Fiber (aNDF), Calcium, Phosphorous, Potassium, Magnesium, Ash, NDFD48, IVTDMD48, Fat, Lignin, Non-Fiber Carbohydrates (NFC), Starch, Ethanol Soluble Carbohydrates (ESC), Water Soluble Carbohydrates (WSC)

Calculated: Relative Feed Value (RFV)

Calculated Beef Cattle Energy Values: TDN,  $NE_m$ ,  $NE_g$ ,  $NE_l$

#### CORN GRAIN\* \_\_\_\_\_ \$19.50

Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), amylase-treated Neutral Detergent Fiber (aNDF), Calcium, Phosphorous, Potassium, Magnesium

Calculated: Relative Feed Value (RFV)

Calculated Beef Cattle Energy Values: TDN,  $NE_m$ ,  $NE_g$ ,  $NE_l$

#### EARLAGE\* \_\_\_\_\_ \$19.50

Moisture, Dry Matter, Crude Protein, Acid Detergent Fiber (ADF), amylase-treated Neutral Detergent Fiber (aNDF), Starch

Calculated: Relative Feed Value (RFV)

Calculated Beef Cattle Energy Values: TDN,  $NE_m$ ,  $NE_g$ ,  $NE_l$

### COMMON NIRS+WET CHEMISTRY PACKAGES

#### NIRS + NITRATES \_\_\_\_\_ \$26.50

Recommended for nitrate accumulating species (Ex. Cane, Sorghum, Oats, etc.)

NIRS package with Nitrate ( $NO_3$ -N) added

#### NIRS + MINERALS \_\_\_\_\_ \$34.50

Recommended for designing mineral supplementation programs

NIRS package with F-8 Minerals added

#### NIRS + PH \_\_\_\_\_ \$23.00

Recommended for ensiled forages to ensure proper fermentation

NIRS package with pH added

All Prediction Models from NIRS Forage and Feed Testing Consortium unless denoted.

\*Models developed for Ward Laboratories, Inc.

Updated 01/01/2023. All prices are subject to change without notice.



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