

FEEDS / FORAGES

SAMPLE ID: _____

Sample Description (Check one):

- | | |
|--|--|
| <input type="checkbox"/> Alfalfa | <input type="checkbox"/> Sorghum, Sudangrass |
| <input type="checkbox"/> Alfalfa-grass Mixture | <input type="checkbox"/> Mixed Grain Ration |
| <input type="checkbox"/> Grass | <input type="checkbox"/> Bunk Mix |
| <input type="checkbox"/> Corn | <input type="checkbox"/> Concentrate |
| <input type="checkbox"/> Small Grain | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Oilseeds | |

If forage, also check the following:

- | | |
|--|--|
| <input type="checkbox"/> Silage | Anhydrous Ammonia added? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Haylage | Urea added? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Hay | Preservative or Additive? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Green Chop | If so, kind: _____ |
| | lbs/ton: _____ |
| Cutting? <input type="checkbox"/> 1 st <input type="checkbox"/> 2 nd <input type="checkbox"/> 3 rd <input type="checkbox"/> 4 th | |

\$7.00 Sample handling and preparation (required for all samples)

- \$20.50 Acid Detergent Insoluble Nitrogen (ADIN), (includes ADF)
- \$20.50 Acid Detergent Insoluble Crude Protein (ADICP), (includes ADF)

Amino acids

- \$95.00 Standard hydrolysis profile
- \$85.00 Standard pre-oxidation hydrolysis profile
- \$33.00 Lysine
- \$50.00 Cystine (Cys) and Methionine (Met)
- \$50.00 Tryptophan (Trp)
- \$13.00 Ammonia
- \$5.00 Ash, total
- \$15.00 Ash, Acid insoluble
- \$19.00 Chloride
- \$8.50 Digestible Dry Matter (DDM), includes ADF
- \$10.00 Dry Matter Intake (DMI), includes NDF

Drugs in feeds

Note: State level of drug, if it is known. If requesting tylosin, state if feed contains urea. If requesting lasalocid, state if feed has high mineral content.

- First sample, \$65.00. Each additional sample (same drug), \$45.00

Circle drug(s):

Amprolium, Arsanilic acid, Carbadox, Chlortetracycline, Decoquinat, Fenbendazole, Lasalocid, Monensin, Neomycin, Nitrofurazone, Ormetoprin, Oxytetracycline, Piperazine, Pyrantel tartrate, Sulfadimethoxine, Sulfamethazine, Sulfathiazole, Tylosin

Energy values, calculated

- \$8.50 TDN forages and some grains (based on ADF), includes ADF (Cattle only)
- \$43.50 TDN (based on proximate), includes proximate (Cattle only)
- \$73.00 TDN (based on Ohio equation), includes protein, ADF, NDF, ash, fat, lignin, NDIN
- \$8.50 NE_G, NE_M, NE_L forages (based on ADF), includes ADF
- \$18.50 ME Swine diets (includes protein, ADF)

Fat

- \$14.00 Fat, crude (ether extract)
- \$25.00 Fat, acid hydrolysis (Mojonnier)
- \$25.00 Fat, base hydrolysis (Roese-Gottlieb)
- \$28.00 Oilseed, double extraction
- \$42.00 Oilseed, triple extraction

Fatty acid profile

- First sample, \$65.00. Each additional sample, \$55.00

Fiber

- \$10.00 Crude Fiber
- \$8.50 Acid Detergent Fiber (ADF)
- \$10.00 Neutral Detergent Fiber (NDF)
- \$20.00 Lignin-Sulfuric acid 72% H₂SO₄ (Includes ADF)
- \$25.00 Lignin, Permanganate (includes ADF)
- \$45.00 Iodine, iodide
- \$33.00 Lactose
- \$35.00 Mercury

Minerals by flame A.A.

- First mineral on a sample, \$16.00. Each additional mineral, \$5.00
- Circle mineral(s):

Calcium (Ca), Copper (Cu), Iron (Fe), Magnesium (Mg), Manganese (Mn), Phosphorus (P), Potassium (K), Sodium (Na), Zinc (Zn)

Minerals (elements) by furnace A.A.

- First mineral on a sample, \$30.00. Each additional mineral, \$16.00
- Circle mineral(s):

Arsenic (As), Cadmium (Cd), Chromium (Cr), Cobalt (Co), Lead (Pb), Molybdenum (Mo)

- \$40.00 Minerals ICP Feed Screen

Moisture

- \$4.50 Oven Moisture
- \$20.00 Karl Fischer

Mycotoxins

- \$95.00 Mycotoxin screen, grains and feeds
- \$65.00 Mycotoxin screen, forages

- \$22.00 Neutral detergent insoluble nitrogen (NDIN)
- \$22.00 Neutral detergent insoluble crude protein (NDICP)

\$8.25 Nitrates

- \$43.50 Nitrogen-free extract (Includes moisture, ash, protein, fat, crude fiber)

Nitrogen

- \$10.00 Combustion
- \$22.00 Salicylic acid
- \$15.00 Non-protein nitrogen (NPN) (urea and ammonia)
- \$22.00 Particle length (forages, TMR)
- \$22.00 Particle size (feeds)
- \$6.00 pH silage
- Polyphenol oxidase PPO (wheat) – 1-6 samples, \$100.00
- 7 or more samples, \$15 per sample

Protein

- \$10.00 Combustion
- \$20.00 Kjeldahl
- \$30.50 Protein, heat damaged (for forages only) (includes protein, ADF, ADIN)
- \$43.50 Proximate (includes moisture, ash, protein, fat, crude fiber, nitrogen-free extract)

- \$16.50 **Prussic acid** (sorghum, sudan, cane, milo)

Relative feed value (includes ADF, NDF, DDM, DMI)

- \$18.50 Chemical methods
- \$15.50 NIRS (see Near Infrared Reflectance Spectroscopy)

Salt based on total sodium (see Minerals)

Salt based on chloride (see Chloride)

- \$13.00 Selenium

Starch

- \$20.00 Total starch
 - \$14.00 Amylose starch
 - \$18.00 Sulfur
 - \$33.00 Sugar, total as invert
- TDN, see Energy
- \$15.00 Urea
 - \$15.00 Urease activity (soybeans)

Vitamin A

- \$55.00 Vitamin A HPLC
- \$75.00 Vitamin A Colorimetric