



Litchfield Analytical Services

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Feeds Forages Mycotoxins Soils Plant Tissues Manure Fertilizers Lime Water

Sample Number: 11,898

Sample Type: Other

Grower ID: Joe's Cattle Ranch

Sample ID: Roasted Soybeans

Crop Service Professionals, Inc.

P.O. Box 457

500 South Main Street

Decker

MI

49999

Attn: Joe Andrews

Date Processed: 07/14/08

Date Received: 07/11/08

Cust#: A1

Phone: 517-555-5555

Fax: 517-555-5555

Email:

Feed Analysis Report w / OSU Energy Values	Method	As Received	DM Basis
Moisture %	{Calc}	2.81%	0.00%
Dry Matter (DM) %	WetChem	97.19%	100.00%
Crude Protein (CP) %	WetChem	42.73%	43.97%
Available Crude Protein (Available CP) %	{Calc}	41.58%	42.78%
Adjusted Crude Protein (Adjusted CP) %	{Calc}	42.73%	43.97%
Acid Detergent Fiber Crude Protein (ADF _{CP}) %	WetChem	1.15%	1.19%
Neutral Detergent Fiber Crude Protein (NDF _{CP}) %	WetChem	2.84%	2.92%
Lignin (L) %	WetChem	4.88%	5.02%
Acid Detergent Fiber (ADF) %	WetChem	7.71%	7.93%
Neutral Detergent Fiber (NDF) %	WetChem	29.69%	30.55%
Estimated Crude Fiber (CF)%	{Calc}	6.17%	6.35%
Non-Fiber Carbohydrate (NFC) %	{Calc}	8.08%	8.32%
Ether Extract Fat (EE) %	WetChem	16.36%	16.83%
Total Digestible Nutrients (TDN) %	{Calc}	93.05%	95.74%
Net Energy for Lactation (NEL) Mcal / lb	{Calc}	0.9803	1.0087
Net Energy for Maintenance (NEM) Mcal / lb	{Calc}	1.0596	1.0902
Net Energy for Gain (NEG) Mcal / lb	{Calc}	0.7433	0.7647
Ash %	WetChem	5.55%	5.71%
Phosphorus (P) %	WetChem	0.66%	0.68%
Calcium (Ca) %	WetChem	0.25%	0.26%
Potassium (K) %	WetChem	2.02%	2.07%
Magnesium (Mg) %	WetChem	0.27%	0.27%
Sodium (Na) %	WetChem	0.01%	0.01%
Copper (Cu) ppm	WetChem	12 ppm	12 ppm
Iron (Fe) ppm	WetChem	83 ppm	85 ppm
Zinc (Zn) ppm	WetChem	45 ppm	46 ppm
Manganese (Mn) ppm	WetChem	24 ppm	25 ppm