

FORAGE TESTING LABORATORY

DAIRY ONE, INC.  
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Sample Description | Farm | Code | Sample |  
 COTTONSEEDS, WHOLE, | | 632 | 27356990 |  
 WHOLE COTTONSEED PIXLEY 20-Q4

Analysis Results

Sampled	Recvd	Printed	ST	CO	Components	As Fed	DM
	01/12/21	01/20/21					
WHOLE COTTONSEED PIXLEY 20-Q4					% Moisture	11.7	
					% Dry Matter	88.3	
					% Crude Protein	18.2	20.6
					% Adjusted Crude Protein	18.2	20.6
					Soluble Protein % CP		22
					% ADF	39.6	44.9
					% aNDF	49.3	55.9
ENERGY TABLE - NRC 2001					% NFC	N/A	N/A
					% TDN	67	75
	Mcal/Lb	Mcal/Kg			NEL, Mcal/Lb	.79	.90
					NEM, Mcal/Lb	.80	.91
DE, 1X	1.53	3.38			NEG, Mcal/Lb	.54	.61
ME, 1X	1.38	3.05			% Calcium	.15	.17
NEL, 3X	0.86	1.89			% Phosphorus	.56	.63
NEM, 3X	0.84	1.84			% Magnesium	.32	.36
NEG, 3X	0.55	1.21			% Potassium	1.11	1.25
					% Sodium	.014	.016
TDN1X, %					PPM Iron	82	93
					PPM Zinc	28	32
					PPM Copper	8	9
					PPM Manganese	15	17
					PPM Molybdenum	1.0	1.1
					% Sulfur	.22	.25
					% Total Nitrogen	2.91	3.30
					Aflatoxin B1, ppb	ND	ND
					Aflatoxin B2, ppb	ND	ND
					Aflatoxin G1, ppb	ND	ND
					Aflatoxin G2, ppb	ND	ND
					3-Acetyl DON, ppm	ND	ND
					15-Acetyl DON, ppm	ND	ND
					Vomitoxin, ppm	ND	ND
					T-2, ppm	ND	ND
					Zearalenone, ppm	ND	ND



**MYCOTOXIN ANALYSIS REPORT**

**Sample Number:** 27356990  
**Date Sampled:**  
**Date Received:** 1/12/2021  
**Date Mailed:** 1/20/2021  
**Description:** WHOLE COTTONSEED PIXLEY 20-Q4  
**Statement ID:** WHOLE COTTONSEED PIXLEY 20-Q4

Fungal Species	Toxin	Result	DM Basis
			Potentially Harmful to Cattle
Aspergillus	Aflatoxin B1, ppb	None Detected	22 - 333
	Aflatoxin B2, ppb	None Detected	22 - 333
	Aflatoxin G1, ppb	None Detected	22 - 333
	Aflatoxin G2, ppb	None Detected	22 - 333
Fusarium	Vomitoxin, ppm	None Detected	5 - 12
	3-Acetyl DON, ppm	None Detected	5 - 12
	15-Acetyl DON, ppm	None Detected	5 - 12
	T-2, ppm	None Detected	0.7 - 1.5
	Zearalenone, ppm	None Detected	5.6 - 10

Lower detection limits: Aflatoxins = 5 ppb  
Fumonisin = 0.1 ppm  
Ochratoxin A = 0.001 ppm  
All others = 0.5 ppm

Toxin	Predisposing environmental factors	Effects
Aflatoxins	Drought, excessive heat.	Reduced performance, unthriftiness, anorexia, prolapsed rectum, liver damage.
Vomitoxin, DON	Warm days, cool nights, high rainfall, flood.	Decreased feed intake, decreased milk yield, weight loss, diarrhea.
T-2	Warm days, cool nights, high rainfall, flood.	Gastroenteritis, intestinal hemorrhages, decreased white blood cells and antibodies.
Zearalenone	Warm days, cool nights, high rainfall, flood.	Restlessness, diarrhea, udder enlargement, decreased milk yield, vaginitis, excessive vaginal discharge, continuous estrus, infertility, abortion.
Fumonisin	Drought, excessive heat, followed by humidity.	Blindness, head butting & pressing, lack of coordination, death.
Ochratoxin	Drought, excessive heat.	Reduced growth, feed refusal, kidney dysfunction, mortality.