



COMMODITY NUTRIENT PROFILE

COTTONSEED MEAL

DESCRIPTION:

COTTONSEED MEAL is the product obtained by grinding the cake or flakes remaining after removal of most of the oil from cottonseed by mechanical or solvent extraction. Low Gossypol Cottonseed Meal is a meal with not more than 0.04% free gossypol. Ammoniated Cottonseed Meal is obtained by treatment of cottonseed meal with anhydrous ammonia. The maximum percentage of equivalent crude protein from non-protein nitrogen is to be stated on the analysis guarantee.

TYPICAL ANALYSIS: *

		<u>DMB</u>	<u>AS FED</u>			<u>DMB</u>	<u>AS FED</u>
Dry Matter	%	100.0	93.0	TDN (Rum)	%	78.0	72.5
Crude Protein	%	44.3	41.0	DE (Rum)	Mcal/lb	1.56	1.45
Fat	%	5.0	4.65	ME	Mcal/lb	1.37	1.27
Crude Fiber	%	12.8	11.16	NE _i	Mcal/lb	0.81	0.75
A.D. Fiber	%	20.0	18.6	NE _m	Mcal/lb	0.85	0.79
N.D. Fiber	%	28.0	26.0	NE _g	Mcal/lb	0.56	0.52
Calcium	%	0.21	0.19				
Phosphorus	%	1.16	1.07				
Potassium	%	1.45	1.34				
Magnesium	%	0.58	0.53				

* Listed data are average values only and not considered as guarantees, expressed, or implied, nor as a condition of sale. For guaranteed spec's refer to label.

USE AND APPLICATION:

COTTONSEED MEAL is a good protein supplement for ruminants, is the second most important U.S. protein source for animal feeding. **COTTONSEED MEAL** contains gossypol, which the rumen will detoxify, however, research has shown that overloading can even occur in the rumen. Caution should be exercised when feeding larger amounts of high gossypol meal. Exposure to **COTTONSEED MEAL** gossypol should be very limited in immature animals with non-functional rumens.

Tolerance of gossypol in non-ruminants depends upon species, age, and other components of the ration. Older animals are less sensitive than young animals. Poultry are less sensitive than swine. In laying poultry fed **COTTONSEED MEAL** discoloration of eggs stored longer than three months can occur at levels of use lower than those can which reduce performance. Growing and fattening pigs tolerate dietary levels of 100 ppm (0.01%) gossypol and additional free gossypol may be present when FeSO₄ is added to the ration. In monogastric animals, lower levels of lysine and Tryptophan in **COTTONSEED MEAL** is also a limiting factor.

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