



Nutrient Profile for Dakota Gold DDGS

Dry Matter	% as is	89.0
Crude Protein	% DM	31.0
Soluble Protein	% DM	4.26
Soluble Protein	% CP	13.8
NPN	% DM	0.04
ADICP	% DM/% CP	1.91/6.25
ADF	% DM	11.28
NDF	% DM	30.4
peNDF	% DM	6.48*
Lignin	% DM	2.02
Ash	% DM	5.61
Ether Extract	% DM	5.90
CHO A2 Sugar	% DM	4.62
CHO B1 Starch	% DM	6.07
Total Fatty Acid	% DM	6.37
C16:0	% DM/% TFA	0.95/14.9
C18:1C	% DM/% TFA	1.63/25.6
C18:2	% DM/% TFA	3.43/53.8
Other	% DM/% TFA	0.11/1.73
Fat Type		1
Calcium	% DM	0.06
Phosphorous	% DM	0.84
Magnesium	% DM	0.37
Potassium	% DM	1.29
Sulfur	% DM	1.16
Sodium	% DM	0.27
Chloride	% DM	0.21
Iron	ppm	82.8
Zinc	ppm	63.5
Copper	ppm	3.3
Manganese	ppm	19.6

Methionine	% DM	0.55	
Lysine	% DM	1.00	
Arginine	% DM	1.20	
Threonine	% DM	1.15	
Leucine	% DM	3.40	
Isoleucine	% DM	1.08	
Valine	% DM	1.40	
Histidine	% DM	0.84	
Phenylalanine	% DM	1.41	
Tryptophan	% DM	0.21	
Energy			
DE (Ruminant) 1X Maintenance, Mcal/lb		1.72	
ME (Ruminant), 1X Maintenance, Mcal/lb		1.54	
NEEm, Mcal/lb of DM			0.89
NEg, Mcal/lb of DM			0.60
NEL, 3X Maintenance, Mcal/lb			0.91
AMEn, Kcal/g of DM			2.80
Protein			
Rumen undegraded protein (RUP), %CP			73.4*
Digestibility of RUP (dRUP), %CP			63.2*
Rumen Degradation Rates (kd, %hr)			
Protein A1, ammonia	%/h		200
Protein A2	%/h		10.4
Protein B1	%/h		6.8
Protein B2	%/h		5.0

*estimated in vitro