



Harvey's Commodities

Amino Plus

Specifications

Amino Plus® is a natural all soybean-based bypass protein ingredient, providing dairy producers a feed source that can help ensure superior performance and milk yield. Amino Plus is processed under specifically controlled conditions of time, temperature, and moisture. The Amino Plus RUP fraction is highly digestible in the small intestine—providing critical absorbable amino acids for production—to help reduce the amount of indigestible protein excreted.

Nutrient profile, dry matter basis

Dry Matter, %	88.0
Protein, %	50.0
RUP, % of CP	72.0
RDP, % of CP	28.0
SIP, % of CP	10.0
NPN, % of soluble protein	25.44
Fat, %	1.2
Saturated fatty acids, %	0.2
Unsaturated fatty acids, %	1.0
ADE, %	9.2
ADIP, % of DM	1.0
NDE, % w/o sulfite - CPM	20.9
NDE, % w/ sulfite - NRC	14.9
NDFom, %	14.7
NDIP, % of DM - CPM	9.4
NDIP, % of DM - NRC	4.8
NFC, % - CPM	30.2
NFC, % - NRC	26.8
Starch, %	0.5
Sugar, %	10.0
peNDF, % of NDF	20.0
Lignin, %	1.0
TDN, %	80.7
Digestible energy mcal/lb	1.8
Metabolizable energy, mcal/lb	1.5
Net energy lactation, mcal/lb	0.97
Net energy gain, mcal/lb	0.73
Net energy maintenance mcal/lb	1.05

Amino Acids, % of RUP

Lysine	6.17
Methionine	1.57
Arginine	7.01
Threonine	4.18
Leucine	7.99
Isoleucine	4.73
Valine	5.48
Histidine	2.51
Phenylalanine	5.15
Tryptophan	1.39

Minerals

Calcium, %	0.50
Phosphorus, %	0.73
Chloride, %	0.05
Magnesium, %	0.34
Potassium, %	2.40
Sodium, %	0.02
Sulfur, %	0.41
Cobalt, ppm	0.03
Copper, ppm	16.5
Manganese, ppm	40.0
Zinc, ppm	53.0
Iron, ppm	121.0

NRC Input

Protein A, % of CP	7.0
Protein B, % of CP	93.0
Protein C, % of CP	0.0
Protein Digestion, %/hr	2.0
RUP Digestibility, %	93.0