

## Bi-Pas®



**Bi-Pas** is a balanced blend of nonruminant proteins specially formulated to bypass the rumen of a dairy animal. Bi-Pas provides a dense concentration of intestinal amino acids available that are utilized throughout the entire digestive system.

Its maximum protein efficiency will dramatically improve milk production of high producing cows.

### Benefits for Cows

- Improved body condition
- Improved conception rates
- Less weight loss during lactation
- Better utilization of forages
- Less stress

### Benefits for You

- Increased milk production
- Maximum protein efficiency
- Allows dense ration with forages
- Reduces veterinary expenses
- Allows less total protein usage

### Typical Analysis

Protein	72.00%
Crude Fiber	2.00%
Fat	11.00%
Moisture	6.00%
Ash	12.00%
Digestibility	90%+
Metabolizable Energy	1,418 Kcal/lb = 3,119 Kcal/kg
TDN	76.00%
NEL	0.77%
UIP	70.00%

### Minerals

Calcium	4.00%
Phosphorus	2.00%
Available Phosphorus	2.00%
Salt	1.50%

### Amino Acid Profile

Aspartic Acid	6.63%	Leucine	7.62%
Threonine	3.16%	Tyrosine	1.52%
Serine	6.65%	Phenylalanine	3.32%
Glutamic Acid	6.86%	Histidine	2.20%
Proline	5.41%	Lysine	4.00%
Glycine	8.50%	TSAA	2.89%
Alanine	7.34%	Arginine	3.00%
Tryptophan	0.58%	Cystine	1.89%
Valine	6.62%	Methionine	1.00%
		Isoleucine	2.14%

Analysis are updated periodically and may vary slightly from previous versions.

### Approved plant of:

Animal Protein Producers Institute (APPI), Voluntary Salmonella Reduction Program  
Food & Drug Administration (FDA)  
Animal & Plant Health Inspection Service (APHIS)  
Hazard Analysis & Critical Control Point (HACCP)

