



# COMMODITY NUTRIENT PROFILE

## POTATOES

### DESCRIPTION

Potato processing waste consists of a portion of the peel and whole or cut potatoes discarded due to size, blemishes or generally failing to meet quality standards applicable to processed potatoes for human food.

### USE AND APPLICATION

Potato products are excellent energy sources for ruminant animals, and cooking is not required (as it is for monogastrics). As potato origin products are very palatable, where high-level feeding is selected (cattle can consume up to 10-12% of their body weight daily of fresh potatoes), amounts should be increased gradually to minimize digestive disturbance. Potatoes are low in fibre and may require roughage supplementing when required (dairy cattle, feed 1-2% of the body weight equivalent in roughage). One third of the protein may be of non-protein origin, and in this regard the ruminant animal makes the best species to utilize this protein source.

In the properly-balanced ration Potatoes will form a very economical and useful component to the ruminant diet. As a very general "thumb of rule", 18.2 to 22.7kg of Potato can equal 4.5kg of cereal grain in equivalent energy value to beef cattle.

### STORAGE AND HANDLING

Potatoes are usually fed fresh as received. (It is currently not available in quantities to considered ensiling to be fed at a later date, although it could be proportioned into other ensiling crops, up to 20% of the green fodder). The by-product should be dumped onto a cement pad and protected from the weather as much as possible. Potatoes are most suitably utilized when mixed with other ingredients into a "complete" ration. In these later instances, the by-product would be handled using a front-end loader and blended in a mixer wagon.

### TYPICAL ANALYSIS

	DMB	As Fed
Dry Matter	100.0%	20.0%
Crude Protein	8.0%	1.6%
Fat	0.4%	0.08%
Crude Fiber	2.4%	0.48%
Potassium	2.17%	0.43%
Magnesium	0.14%	0.02%
Calcium	0.04%	0.01%
Phosphorus	0.24%	0.05%
TDN (Rum)	81.0%	16.2%
NE <sub>L</sub>	1.81 Mcal/kg	0.36 Mcal/kg
NE <sub>m</sub>	1.98 Mcal/kg	0.40 Mcal/kg
NE <sub>g</sub>	1.32 Mcal/kg	0.26 Mcal/kg
DE (Rum)	3.57 Mcal/kg	0.71 Mcal/kg
ME	3.16 Mcal/kg	0.63 Mcal/kg

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



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