



TICK BEANS

PRODUCT DESCRIPTION

Tick beans (*Vicia faba* L. var. *minor*) are part of the Leguminosae (Fabaceae) family of plants. Tick beans are primarily grown for human consumption but they can also be fed to animals. Tick beans can be fed to cattle, sheep, horses, pigs and poultry as part of a balanced diet.

Tick beans are also known as faba, horse or broad beans and are a good protein source with an energy level similar to the cereal grains. However the quality of the protein is lower due to the low levels of amino acids - methionine and cysteine.

Tick beans are popular as a protein source in horse feeds. They are usually cracked or coarsely ground for feeding, but whole beans are satisfactory for mature cattle and sheep.

DIRECTIONS FOR USE

- Use as part of a balanced diet. Suggested maximum inclusion rates in total rations are shown below.
- Processing of the beans is recommended to inactivate the anti-nutritional factors.

SUGGESTED MAXIMUM INCLUSION RATES IN TOTAL DIET

SPECIES	INCLUSION RATES
PIGS	
Starter	5%
Grower	10%
Finisher	10%
Breeding	10%
POULTRY	
Layer	10%
Broiler	10%
HORSES	10%
CATTLE	20%
SHEEP	20%

LIMITATIONS

- Raw tick bean seeds contain levels of anti-nutritional factors such as protease inhibitors, tannins, favism-inducing factors, hemagglutinins and trypsin inhibitors.
- These anti-nutritional factors are almost completely inactivated by cooking or germination. This heat treatment will improve nutritional quality of tick beans.
- Tick beans have been associated with poor growth in chickens and pigs and also decreased egg production in laying poultry.

TYPICAL NUTRITIONAL ANALYSIS

PROTEIN	%	MIN:	23.00
CALCIUM	%	MIN:	0.10
PHOSPHORUS	%	MIN:	0.40
FIBRE	%	MIN:	7.00
ME POULTRY	MJ/kg	:	10.20
ME RUMINANT	MJ/kg	:	9.50
DE HORSE	MJ/kg	:	12.00
DE PIG	MJ/kg	:	13.70

WARNING

NOT FOR HUMAN CONSUMPTION.

Seek nutritional advice to use this ingredient as part of a balanced diet.

STORAGE

[Cool, shaded, dry conditions, away from vermin.](#)

PACK SIZE

20kg woven polypropylene bags.