



SAFARI *Feeds*

Since 1998

South Africa's Leading Manufacturer and
Supplier of Specialised Block Licks and
Pellets for Game and Livestock

SAFARI *Feeds*

Safari Feeds

Since 1998

Contact Details:

PO Box 707

Hammanskraal

0400

Tel: 012 711 4307

Fax: 086 5616174

Email: safari@safarifeeds.co.za

www.safarifeeds.co.za

Pine Pienaar

Cell: 083 441 2771

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Safari Energy / Protein Blocks

Safari Energy / Protein Blocks

Developing the Safari Game block lick wasn't an easy task, so Safari Feeds recruited a nutritionist Dr Hinner Köster, an internationally recognised authority on compilation of supplements for ruminants, to develop a suitable feed supplement. From the start they were faced with certain practical constraints. First and foremost what is commonly referred to as "game" is made up of a variety of large and small species of ruminants - further broadly classified as grazers, browsers and mixed feeders, according to their preferences for grass, forbs or leaves and twigs of woody plants, or a combination of these - as well as a handful of mono-gastric non-ruminant game species like the rhino, elephant, bush-pig, warthog, zebra and hippo.

Developing and manufacturing a separate feed supplement for each species would have been impractical, and prohibitively expensive. One lick block which would be acceptable to all, and would give economically justifiable results for every species, was called for. Any lick block intended for game would, of necessity, have to be a compromise, but it would still have to supply the required energy, protein, minerals and trace elements. A small percentage of non-protein nitrogen would have to be included to stimulate the rumen and enable it to digest dry and fibrous plant material, consisting mostly of cellulose, optimally.

The ingredients of the game block would have to produce the desired economic benefits when fed to ruminants, yet be safe for non-ruminants (species with mono-gastric digestive systems). The game blocks provide the additional rumen degradable protein needed for optimal utilisation of dry veld, in the form of a natural protein source - Oilcake and Lucerne. Lucerne

Safari Energy / Protein Blocks

serves a dual purpose, attracting game to the area where the block is placed.

There is a lack of research data on the requirements of different game species so, for convenience, the supplementary nutritional requirements of game are assessed on the basis of cattle and sheep, as well as their reaction to a particular supplement in a particular area. However, available information indicates that, because of their selective feeding habits, many game species take in more protein than cattle, even during the dry season. The total intake of protein will therefore be less limiting to these game species than to cattle at this critical time.

The blocks are designed mainly for use during the dry season, when high-quality forage is in short supply, but they can also be used during the wet season to counter reproductive problems or poor body condition. Game soon become accustomed to the blocks, develop a taste for them, and wait for them to be put out. Varying the height of these blocks above the ground, or using creep feed sacks, can ensure that they are only available to game species in a particular size range. Placing the blocks out of their reach prevents smaller game animals eating them. For giraffe, putting them high up in the fork of a tree is very successful.

The Safari Game Block has been formulated for a combination of palatability, enhanced performance and affordability. Many game species are shy and sensitive to taste, but a wide range of species, including Steenbok, Duiker, Nyala, Impala, Kudu, Giraffe, Eland, Zebra, White Rhino and even Elephant, find the Safari Game Blocks very acceptable.

Safari Energy / Protein Blocks

Feeding Recommendation

Small Game = 250 - 300 g/day

Medium to Large Game = 350 - 400 g/day

Safari Game Block Registration No. V13719

(Act 36 of 1947)

30/10/98 Farm Feeds

Class: Protein - Mineral - Trace Mineral - Energy Supplement for Game. (Act 36/1947)

Protein (min)	157,0 g/kg
Urea	0%
Fibre (max)	60,0 g/kg
Moisture	120,0 g/kg
Calcium (max)	21,0 g/kg
Phosphorus (min)	11,2 g/kg
Sulphur (max)	4,8 g/kg
ME MJ/kg (estimated)	8,1
Selenium (min)	10 mg/kg
Cobalt (min)	0,56 mg/kg
Copper (min)	40 mg/kg
Iron (min)	260 mg/kg
Manganese (min)	112 mg/kg
Zink (min)	112 mg/kg



Flavomycin® Block Lick

Flavomycin® Block Lick

(Available on prescription)

Flavomycin® is the brand name registered by Intervet South Africa for the growth stimulant, Flavophospholipol.

Flavomycin® is registered for all production animals in South Africa. It is an extremely safe product that cannot cause toxicity, since it only works in the stomach and lower digestive tract and is not absorbed by the body.

It takes micro-organism in the gut and digestive tract more or less 2-3 weeks to adapt.

Flavomycin® is also registered in the European Union as a safe feed additive. It has a brand specific approval that means that no generic product is allowed by the EU. Only the Flavomycin® supplied by Intervet, is accepted as safe and to the benefit of the animals that it is registered for.

Flavomycin® mode of action

Flavomycin® has a positive effect on the micro flora in the rumen. When ruminants are fed it should be kept in mind that you are actually feeding the micro-organisms. These organisms digest the feed and the "waste products" are being used by the animal for maintenance and production of milk and or meat. A stable rumen flora population is a requirement to ensure that the animal stays healthy and it ensures that disease causing bacteria cannot multiply in excessive amounts. An important characteristic of Flavomycin® is that it selects the specific flora that increases the digestion of cellulose and starch. This results in an increase of up to 15% in the digestion and utilisation of cellulose.

Flavomycin® Block Lick

Flavomycin® also encourages the growth of protozoa which play an important role in the breakdown of carbohydrates and the forming of proteins. It stabilizes the pH level in the rumen at the preferred level between 6 and 7.

Why Flavomycin® for game?

The game farmer's biggest source of nutrition is the veld, good or bad. The fact that Flavomycin® increases the breakdown of cellulose with up to 15%, leads to a saving in energy. This energy can be utilized for growth and maintenance - especially for game that needs to walk long distance to collect all the good they need.

The game farmer's purpose is to establish a healthy stomach with a stable micro flora population in the animal, to ensure that the high level of cellulose can be broken down efficiently.

One of the most important and difficult tasks is to ensure that the body conditions of the production herd will stabilize or even increase during the winter months. Good body conditions will result in offspring with good liveability, better milk production as well as a shorter inter calving period due to better conception rates.

What effects can I expect when using Flavomycin®?

When Flavomycin® is included in the lick block, the digestibility of the grass and leaves eaten by the animals will increase. This will result in more energy being available to the animal for maintenance and thus will the animal not loose so much weight during the winter. They will grow better in times when plenty of food is available and the female animals will produce more milk for their calves/lambs during the period of suckling.

Anti-Tannin Block Lick

Anti-Tannin Block Lick

(Available on prescription)

It is well known in game ranching circles that some of the larger browsers, such as Kudu, are detrimentally affected by the high tannin content of leaves of certain browse plants. Tannin suppresses the fermentation process caused by symbiotic organisms in the rumen, in effect inhibiting digestion of plant cell walls by rumen microbes. Although game animals do not normally browse on leaves with high tannin content, limited foraging space on a small game-fenced ranch may lead to an abnormally high intake of tannins, to the detriment of the animal. By special request, and for a modest price premium, Safari Feeds can add an ingredient to the Game Lick Block which counteracts the negative effects of tannin in the diet.

The Safari Block has already proven that it:

- will oppose tannin poisoning;
- has a high nutritive value; and
- is tasty and will ensure healthy fat, fertile game.



Aloe Block Lick

Aloe Block Lick

(Available on prescription)

Some Game Farmers believe in feeding their game aloe. It is said that aloe makes the blood taste bitter, hence ticks won't feed on the animals.

The ingredients are the same as the Safari Game Block, only difference is that aloe powder is added.



Parasite Block Lick

Parasite Block Lick

(Available on prescription)

The Safari Parasite Block, although the same ingredients as the Safari Game Block, also includes a remedy developed by a leading manufacturer/distributor of animal health products to control both internal and external parasites.

Safari feeds conducted a trial on their farm, using Boer goats to test the efficacy of the block in controlling parasites. Ten goats were divided into two groups of five each. The first group were given the Safari Parasite Block while the second group was denied these blocks. The results were beyond our (and the animal health company's) wildest expectations.

Two weeks later the ticks on the goats that were feeding on the parasite blocks all died. After six weeks, one goat of each group was slaughtered and tested for parasites. The goats that were feeding on the blocks were totally free of parasites as well as their eggs.

The block will however not be registered for parasite control in game animals. For this to be done, a separate registration for each species will be needed, with corresponding trials, and this will incur astronomical expenses. The block, like the Safari Game block, contains the best quality ingredients available and everything is bound together by liquid molasses, which also acts as a flavourant.

Phosphate Block Lick

Phosphate Block Lick

The most natural forage in South Africa is relatively low in phosphate. In the rainy season the necessity of phosphate is higher because lots of game have sucklings. The Safari Phosphate Block contains sulphur (high in phosphate) and will improve the conversion of NPN in green grass to protein and will serve as an excellent supplement for animals during this time. Feed Grade Sulphur in phosphate blocks can also aid as a preventative measure against prussic acid poisoning in wilted pastures.

This supplement is also needed for the younger game to strengthen their bone structure while they are still growing.

Safari P6 Registration No. V13657
12/09/97 Farm Feeds

Class: Phosphate – Trace Mineral and Salt Supplement for Ruminants (Act 36/1947)	
Calcium (max)	120 g/kg
Phosphorus (min)	60 g/kg
Sulphur (min)	49 g/kg
Cobalt (min)	3 mg/kg
Copper (min)	150 mg/kg
Iodine (min)	15 mg/kg
Iron (min)	600 mg/kg
Manganese (min)	600 mg/kg
Selenium (min)	3 mg/kg
Zink (min)	600 mg/kg

Horse Block Lick

Horse Block Lick

Horses that are active (such as racehorses, show jumpers and saddle-horses) always have to be in perfect, healthy condition. This fact obviously increases the nutritional requirements of horses.

Owners and trainers of competitive horses feed their chargers for optimal physical performance, condition and health. Criteria for horse nutrition are somewhat different from criteria for the nutrition of beef cattle and sheep, where the emphasis is on growth and carcass quality. Although there are many similarities between horse and livestock nutrition, the correct feeding of a performance horse remains a highly specialized science.

An athlete's performance depends on the conversion of energy into various types of intensities of motion. Performance horses need nutrients to support the biochemical conversion of energy into specific physical activities, and to maintain the condition of their bodies, making these activities possible.

With this in mind, Safari Feeds developed the Safari lick block for horses. It was the first specialized lick block of its kind developed and manufactured in South Africa. The quality of roughage fed to horses, its protein content and composition, are often very variable. The protein component can vary from batch to batch, and between seasons and cuttings - from the land.

During periods of intensive work, a performance horse's protein requirement increases slightly. The Safari Block supplies high-quality protein and amino acids, supplementing any periodic deficit in dietary roughage. A horse that performs on the racecourse, show jumpers, endurance horses and eveners, needs at least 40g of salt a day to compensate for salt loss caused by sweating.

Horse Block Lick

The Safari lick block is formulated to supply 60g of salt a day, as salt is a known limiting factor when performance horses are fed conventional diets. The salt content in the block also restricts daily intake, preventing the block being polished off in a few days.

Phosphorus is closely associated with the calcium content of bone, and is crucial for energy metabolism. Phosphorus deficiency causes skeletal abnormalities and sub-normal growth in young horses. The Safari Block provides a bio-available source of phosphorus. The calcium and phosphorus content are in balance, in the correct ratio of 2:1, ensuring absorption.

Potassium is important for regulating the body fluid balance, maintaining the acid balance, and for nerve and muscle function. Vitamins and trace minerals are essential for body function. They operate at all levels, affecting everything from energy metabolism and production to hoof growth. A balanced supply of vitamins and trace minerals in the block ensures optimum health and performance. There are 17 key vitamins. The Safari Horse Block provides 20% - 30% of daily vitamin requirements.



Horse Block Lick

The Safari Horse Block is an effective antidote to boredom. The horse can lick and nibble at it instead of acquiring bad habits like wind-sucking, weaving and chewing the wooden poles of the paddock fence or the stable door. The Safari Horse Block also prevents horses from bolting their feed. Greedy feeding is one of the factors which cause colic in horses.

A high molasses content makes the Safari Horse Block very palatable. However, the salt level and physical characteristics of the block regulate intake - it is hard and dense, and the horse has to do a lot of licking and nibbling to meet its daily needs. This makes weighing and measuring unnecessary, so the block is very easy and practical to use. It should be readily available for the horse to nibble and lick ad lib. The recommended intake is about 500 - 600g per day. A 20Kg block should last one horse between 33 and 40 days. A 1kg block is also available for stable horses.

The Safari Horse Block Lick Reg. No. V14879 Act 36/1947

Class: Protein, Mineral and vitamin supplement for horses	
Protein	170 g/kg(min)
Moisture	120 g/kg(max)
Fibre	100 g/kg(max)
Calcium	25 g/kg(max)
Phosphorus	12 g/kg(min)
Magnesium	2,5 g/kg
Potassium	9 g/kg
Vitamin A	18 000 IU/kg
Vitamin E	75 mg/kg
Vitamin B1	7,5 mg/kg
Vitamin B2	7,5 mg/kg

Horse Block Lick

Class: Protein, Mineral and vitamin supplement for horses	
Biotin	0,045 mg/kg
Folic Acid	9 mg/kg
Pantothenic Acid	9 mg/kg
Niacin	15 mg/kg
Vitamin B12	0,09 mg/kg
Vitamin B6	6 mg/kg
Iron	70 mg/kg
Copper	18 mg/kg
Manganese	70 mg/kg
Zink	75 mg/kg
Cobalt	0,2 mg/kg
iodine	0,2 mg/kg
Selenium	0,2 mg/kg



Closantel Block Lick

Closantel Block Lick

(Available on prescription)

On request a special formulation of the remedy Closantel can be added to our Block Lick, which controls liver fluke and tape-worm in animals. Great success has been achieved with this.



Safari Super 5 Game Pellet

Safari Super 5 Game Pellet

The Super 5 Game Pellet was developed for Safari Feeds by prominent animal nutritionists. The pellet is manufactured from 1st grade animal feed-roughage only and can be fed to game and livestock. Even horses can be fed ad-lib, because the pellet contains no urea.

The Super 5 Game Pellet addresses five different aspects:

- It is a high protein feed with added vitamins, minerals and micro-elements
- It contains a horn growth stimulant
- It contains a fertility stimulant
- It contains an immune booster
- Parasite control can be added to the pellet

SAFARI Super 5 Game Pellet
Class: Ruminant feed (Game)
Reg. No. V20316 Act 36/1947

Composition	
Protein	140
Fibre	150
Fat	25
Urea	0%
Moisture	120(max)
Calcium	8(max)
Phosphorus	5(min)
K	11
Na	7.0
Cl	6.5
S	1.9
Ca:P Ratio	1:0 - 1.6:1

Safari Super 5 Game Pellet

Mineral Levels	mg/kg
Fe	215
Mn	115
Cu	22.5
Co	0.3
Zn	145
Se	0.4
I	1.0
Vitamin A (IU/kg)	6 000
Aloe / Ivermectin	On prescription



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