

Product of Knowledge-based cooperative company of

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The members of this company are from the professors and young graduates of Tehran University and Chemistry and Chemical Engineering Research Center of Iran, which have enough knowledge and experience, and also have deep connection with this industry to achieve the above goals.

Precise dietary fatty acid regulation



PERSIA LIN
Calcium fat powder Flaxseed oil

Specifications

- Protected plant omega-3 source is substantial
- .Use a high-quality flaxseed oil source
- Has an appropriate omega 3 to omega 6 ratio
- Enriched with fat-soluble vitamins (A, D3, E)
- Free of potentially hazardous germs and microorganisms
- No effect on ruminal environment



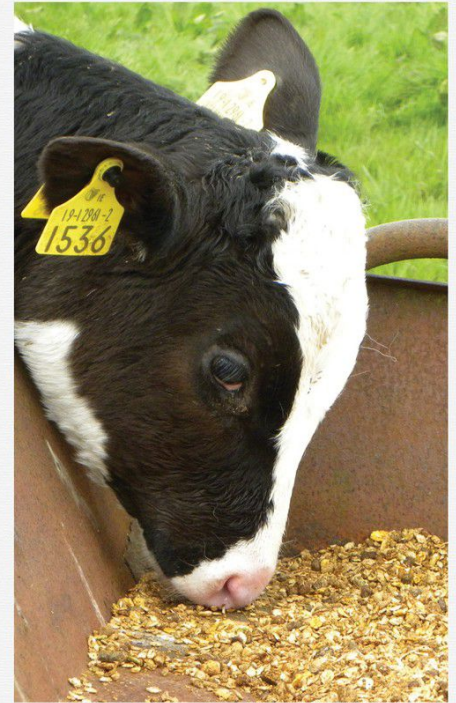
Packed in
Insulated bags
kg 25



Making a health license
Veterinary Organization: 253068

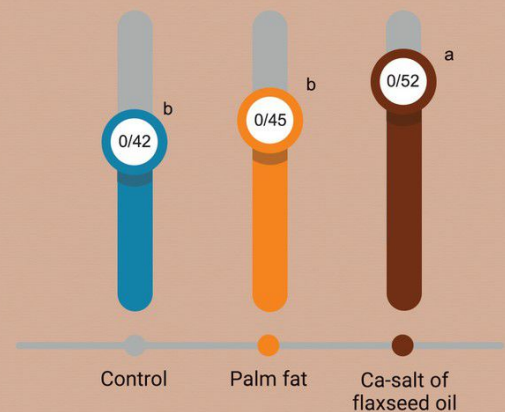
Features & Nutrient Contents

%85	Raw fat
5/8 Mcal/kg	Pure lactation energy
7/3 Mcal/kg	Digestible energy for ruminants
%10	Palmitic Acid C:16:0
%7	Stearic Acid C:18:0
%21	Oleic Acid C:18:1
%18	Linoleic Acid C:18:2, Omega 6
%42	Linoleic Acid C:18:3, Omega 3
Cream, Brown	Color



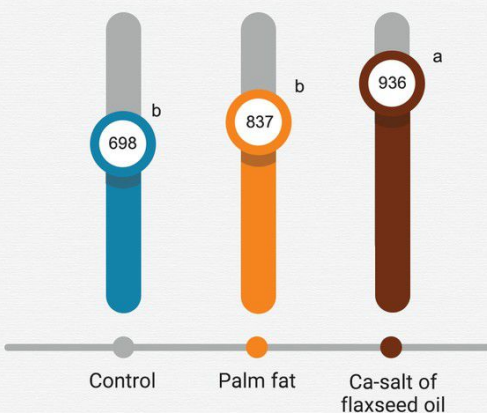
Benefits of consumption

- Meets the essential omega-3 fatty acids (C18: 3) in the diet
- Improve fertility and increase fertilization rates in livestock
- Improving the immune system in livestock
- Improve growth rate and safety of suckling calves
- Increases the radiance of horse skin and hair
- Enrich milk with omega 3
- Reduce inflammation in livestock



Feed efficiency of calves from 3 to 77 years' old
Kadkhodaei et.al. Livestock science, 2017 (p<0.01)

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Daily weight gain of calves after weaning (56 to 77 days)

Kadkhodaei et.al. Livestock science, 2017 (p<0.01)

grams per day 150 - 200	Early heifer
grams per day 150 - 200	Early lactation period cow
Starter concentrate %2	Infant calves
grams per day 20 - 30	lactating sheep and goats
grams per day 50 - 100	Stallion

Consumption



- Increasing the energy concentration of the diet while still achieving omega 3 requirements
- Reduce the risks of inflammation in racehorses and pregnant mares
- Reduce lameness by reducing the need to eat grains
- Reduces inflammation and swelling of the joints in racehorses
- Decreased insulin resistance
- Reduce stress during mating and increase sperm quality
- Boosting immunity system
- Improve the shine and appearance of the body covering
- Enriched with fat-soluble vitamins (A, D3, E)



Fatty acids profile for Linseed oil (PersiaLin, Equine)

%8	Palmitic acid C16:0
%5	Stearic acid C18:0
%22	Oleic acid C18:1, Omega 9
%12	Linoleic acid C18:2 Omega 6
%50	Linoleic acid C18:3 Omega 3
1:4	Omega 6 to Omega 3 ratio
%62	PUFA

grams per day 30	Colt
grams per day 70	Young Horse
grams per day 100	Stallion
grams per day 150	Race horse

- Add this amount of linseed oil (Persialin, Equioin) to the feed gradually and within a week.
- The oil should be mixed well with food and

Regarding the digestive tract of the Horse, a non-ruminant Herbivorous with hind gut (Cecum and colon) microbial fermentation, high content of starch is hazardous for horse. In modern horse nutrition, partial substituting of starch with fat is suitable solution. The horse's feed usually contains a small amount of fat that is less than horse's requirement for energy and fatty acids (essential and non-essential). As well as digestibility and absorption of fat in the basal diet is low. Therefore, the use of oil supplement or fat powder with linseed origin (Persialin & Equine Persialin) is essential for horse's feed.





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Fatty acids profile for Linseed oil (PersiaLin, Soy Equine)

%9	Palmitic acid C16:0
%5	Stearic acid C18:0
%29	Oleic acid C18:1, Omega 9
%35	Linoleic acid C18:2 Omega 6
%28	Linoleic acid C18:3 Omega 3
1:0.8	Omega 6 to Omega 3 ratio
%63	PUFA

grams per day 30	Colt
grams per day 70	Young Horse
grams per day 100	Stallion
grams per day 150	Race horse

- This amount of flaxseed oil should be added to the food gradually over a week
- Mix the oil well with the feed and consume

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