

## Real Results

For the complete horse

### Long Chain Omega-3 Fatty Acids in Animal Nutrition

There are two families of essential fatty acids: Omega-3 fatty acids and Omega-6 fatty acids. They are termed "essential" because they cannot be produced by the body, and must therefore be obtained from the diet. Supplementing the normal diet with the right amounts of high quality Omega-3 and Omega-6 polyunsaturated fatty acids (PUFA's) will help ensure the proper ratio of these essential fatty acids in the diet.

Diets too high in sources of Omega-6 fats such as cereals, whole-grains etc tend to be detrimental because too much Omega-6 in the diet produces an inflammatory action, whereas Omega-3 supports anti inflammatory action in cells and tissues.

Omega-3 PUFA's are needed to keep nerve cells and brain cells functioning properly. When there is a deficiency of Omega-3 PUFA's and an excess of saturated fats in the diet, the membranes of these cells are less fluid. Fluidity is an important feature of any cell.

Without the proper ratio of Omega-3 EFAs in the diet, cell membranes tend to "stiffen": they become less fluid and the cell's ability to function optimally is compromised.

Flaxseed contains Biotin which is a B vitamin sometimes referred to as vitamin H or vitamin B7. It is one of the eight vitamins in the vitamin B-complex. The B vitamins, in general, help in promoting healthy nerves, skin, eyes, hair, liver and a healthy mouth. Biotin is important in metabolism and energy production. Many studies have shown improvement in chronic conditions such as arthritis, diabetes, obesity, cardiovascular disease, with omega-3 supplementation.

#### Omega 3 Dry Powder

- No fishy smell
- Long Shelf Life
- Highly palatable
- Micro-encapsulated
- Easy to feed
- Improves glucose tolerance
- Strengthens immune function
- Increases red blood cell flexibility
- Enhances bone metabolism and development

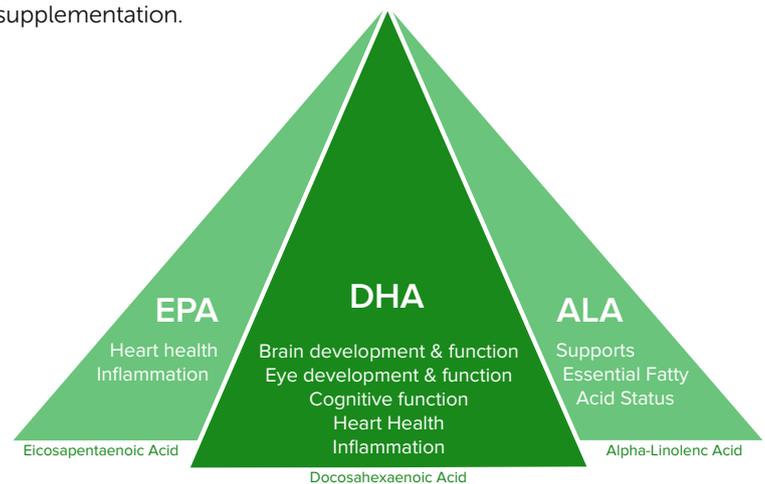
#### Reproductive benefits include:

- Improved fertility
- Improved colostrum quality
- Motility and viability
- Enhanced passive transfer of antibodies to foals and increased sperm concentration

#### Golden Flaxseed

Golden flaxseed is a rich, natural source of beneficial unsaturated and PUFAs. Alpha-linolenic acid (ALA) is an Omega-3 fatty acid and present in milled flaxseed at 22%, and the omega-6 fatty acid linoleic acid is at 7%. ALA is easily converted by the body to the other beneficial PUFAs EPA (eicosapentanoic acid) and DHA (docosahexanoic acid). Providing ALA therefore helps the body meet all its needs for EPA and DHA, the most important essential fatty acids.

- Supports maintenance of healthy, robust cell membranes and cells
- Supports cell and tissue anti-inflammatory activity
- Support immune health
- Supports generation of PUFAs from ALA



#### Benefits of EPA and DHA mediated inflammatory response include:

- Reduction in inflammation
- Allergic reactivity
- Exercise - induced bronchoconstriction
- Exercise - induced pulmonary haemorrhage



Approved in Canada as a Veterinary Health Product NN.YOM9  
ALL Ingredients are GRAS approved for use in animal supplements in the EU and USA

#### Ingredients:

Golden Flaxseed – ALA (beneficial fatty acid)  
Omega-3 fatty acids, EPA+ DHA (from fish oil)