



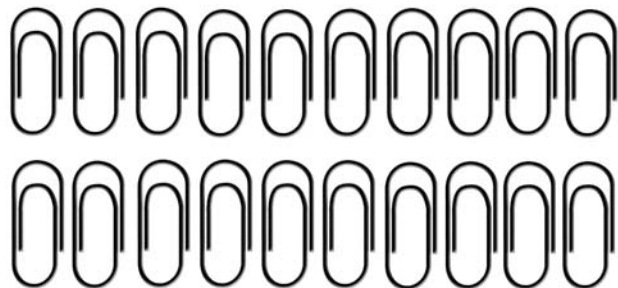
### Untangle the mystery of BLACK POWdER®

Amino acids are necessary to both build and regenerate muscle tissue, improve endurance and boost the immunity. In breeding stock, amino acids are necessary for the development of the foetus and for better lactation and after birth recovery.

Performing horses need more amino acids than they can get from a regular daily diet.

Imagine this bunch of paper clips are the amino acids within a protein molecule - how many can you untangle within three minutes? A horse's intestine has the same problem untangling amino acids.

**BLACK POWdER®** provides amino acids in simple form (i.e. untangled) and are completely delivered into the blood stream within three minutes.



## BLACK POWdER®

**BLACK POWdER®** is a great food supplement that provides a rich source of amino acids to help:-

### Performing Horses

- to build and regenerate muscle tissue
- to enhance endurance
- to boost the immunity

### Breeding Horses

- healthy foetus development
- faster after birth recovery
- better lactation

**BLACK POWdER®** has been developed in cooperation with the University of Gent, Belgium.

The DR. I. Willems Institute of the Brussels University has scientifically confirmed the properties and effectiveness of **BLACK POWdER®** by certifying the unique composition and biological arrangements of its L-amino acids (Bi-peptides), minerals and vitamins.

your local distributor:

### BLACK POWdER Ltd.

Coolrain, Portlaoise, Co. Laois, Ireland

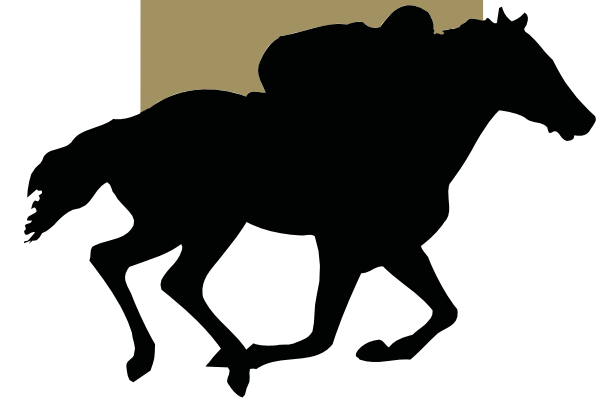
**Tel:** +353 (0)57 873 5916

**Mobile:** +353 (0)87 296 1282 - **Lis Voss**

**Fax:** +353 (0)57 873 5923

**E-mail:** lis@blackpowder.ie

# BLACK POWdER®



for  
**PERFORMANCE**  
**BREEDING**  
**IMMUNITY**

## BLACK POWdER® for performance, breeding purposes and immunity

The whole reproduction process as well as the ability and quality of exercising and performing are a matter of generating and restoring body cells.

Like organs, muscles, bones, nerves, blood, brain, immune, hormone and skin, are all made of proteins. These body proteins are built from 22 types of amino acids. All these types of amino acids, besides bivalent iron, are absolutely indispensable and are to be gained by digesting protein in a daily feed. The requirement of amino acids to enable all reproduction processes and performing is immense.

Often however, the horses' intestines don't have the ability to extract and absorb sufficient quantities and varieties of amino acids from protein in their regular daily diet.

Even when they are provided with the very best of feed a shortage of amino acids can still occur and all or a part of the reproduction processes can come to a halt, or when in training and performing lessening their ability to restore its muscles, blood, nerves, and immunity fully.

### Consequences familiar to breeders might be:

- Poor quality or quantity of sperm cells.
- Failure to get in season or in foal
- Absorption, abortion or under-development of the foetus/foal.
- Slow recovery of the mare and foal after delivery
- Poor lactation

### Consequences familiar to both trainers and riders might be:

- Diminished ability to perform.
- Lacking endurance.
- Tying up during or stiffness after performance
- Prone to injuries because of stiffness
- Decreased immunity
- Poor performance after illnesses grey or dull coat.

**BLACK POWdER®** is a natural food supplement, which uniquely provides horses body with all 22 different types of indispensable amino acids.

The patented structure of **BLACK POWdER®** guarantees an amino acid absorption rate which is higher than any other (supplementary) feed, helping brood horses in their requirement to support:

- quality and quantity of sperm cells.
- fertility
- development of the foetus/foal.
- optimal recovery of the mare and foal after birth
- lactation.

**BLACK POWdER®** is beneficial before, during and after pregnancy. You can be confident that **BLACK POWdER®** also helps with strong development of offspring and their immunity after weaning.

Performing horses need more amino acids than they usually can get from a regular daily diet.

**BLACK POWdER®** increases the levels of amino acids in such a way that performing horses are able to build up their muscles, nerve structure and immunity, enabling them to restore its muscles and nerves, not only after, but even during performance supporting:

- Performance ability.
- Endurance.
- Diminished or no tying up or stiffness.
- Astonishing recovery after performance
- Optimal immunity
- Enhanced stamina
- A shiny and healthy coat

This natural building-up process needs time. When fed structurally it becomes even more beneficial and a visible difference will be seen within two weeks.

### Recommended quantities:-

**Adult horse:** 2 measures per day (total of 15 g)

**Pony/foal:** 1 measure per day (7.5 g)

**BLACK POWdER®** is free of doping agents and is approved by the IOC, FEI and the Jockey Club.

## Composition of BLACK POWdER® per 15g

Protein	13,240 mg
Carbohydrates	60 mg
Raw Fats	75 mg
Water	1,500 mg
Energy	54,750 Kcal 230,850 KJoule

### Amino Acids

L-Asparagin - Asparagin A	1,551 mg
L-Threonin	765 mg
L-Serin	855 mg
L-Glutamin - Glutamin A	1,383 mg
L-Prolin	672 mg
L-Glycin	633 mg
L-Alanin	1,203 mg
L-Valine	1,293 mg
L-Cystein	150 mg
L-Methionin	522 mg
L-Iso-leucin	1,875 mg
L-Leucin	1,317 mg
L-Thyrosin	543 mg
L-Fenylalain	1,119 mg
L-Lysin	1,362 mg
L-Histidin	828 mg
L-Tryptophan	300 mg
L-Arginin	600 mg
L-Ornithin	6µg
L-Carnitin	2,100µg

### Vitamins

L-Vitamin A	153 I.E.
L-Thiamin (Vitamin B1)	6.6µg
L-Nicotinamid (Niacin- Vitamin PP)	0.5µg
L-Riboflavin (Vitamin B2)	22.5µg
L-Pantothen Acid	22.5µg
L-Biotine (Vitamin H)	1.2µg
L-Folium Acid	1.2µg

### Minerals

L-Calcium	94.5 mg
L-Phosphorus	37.4 mg
L-Potassium	90 mg
L-Sodium	13.5 mg
L-Chlorus	21 mg
L-Sulphur	42 mg
L-Magnesium	33 mg
L-Manganese	45 ng
L-Organic Iron	39 mg