

# Protect Mobility

## Sports Horse Block



Helps maintain mobility  
and protect supple joints in  
your horse.

With  
Chondroitin,  
Glucosamine, MSM  
and Essential  
Amino Acids



### Protect Mobility Analysis

#### Minerals

Calcium (%)	8.0
Phosphorus (%)	4.0
Magnesium (%)	3.0
Sodium (%)	6.0
Zinc (mg/kg)	2,160
Copper (mg/kg)	720
Manganese (mg/kg)	1,920
Selenium (mg/kg)	6.0
Cobalt (mg/kg)	8.0
Iodine (mg/kg)	10.0

#### Vitamins

Vit A (iu/kg)	160,000
Vit D3 (iu/kg)	17,600
Vit E (mg/kg)	12,000
Vit B1 (mg/kg)	264
Vit B2 (mcg/kg)	152
Vit B3 (Niacin) (mg/kg)	600
Vit B5 (Calpan) (mg/kg)	300
Vit B6 (mg/kg)	64
Vit B8 (Biotin) (mcg/kg)	2,000
Vit B9 (Folic Acid) (mg/kg)	24
Vit B12 (mcg/kg)	80
Vit C (Ascorbic Acid) (mg/kg)	1,600
Choline Chloride (mg/kg)	320

#### Other Ingredients

Yeast (g/kg)	16.0
--------------	------

#### Also Contains

MSM (Methylsulphonylmethane),  
Chondroitin Sulphate, Glucosamine,  
Methionine, Lysine, Seaweed, Garlic,  
Aniseed and Apple Flavour.

### Feeding Instructions

- With reasonable access, one block per five horses will ensure adequate intakes.
- Move blocks occasionally to avoid poaching.
- Intakes are stimulated by placing the block near the water trough.
- If intakes are excessive, blocks should be rationed by putting out a set amount at definite pre-determined levels.

### Feeding Guidelines

Allow 1 x 10kg block per 5 x 500kg animals in a 16 day period (to provide 125g per head per day).

### Recommended Daily Intake:

100g per head per day.

### Maximum Daily Intake:

125g per head per day.

### Warnings

- Do not exceed maximum intake guidelines.
- No additional complementary trace elements should be fed without consulting veterinary advice.
- This block contains high levels of copper and should not be fed to sheep.
- This block contains high levels of selenium and care should be exercised in high selenium areas.

*For further details please contact  
your local Nutribio Rep.*

Keith Chambers 087 2534585 Commercial Manager  
Enda Moran 086 8240808 South  
Joe Sinnott 087 2535875 East  
Ray Connolly 087 2590183 West  
Raymond Irvine 0044 778 574 5646 North East  
Trevor Adams 0044 778 665 2944 North West

Nutribio Ltd, Tivoli Ind. Est. Cork, Ireland  
Tel: 00 353 21 4507303

Email: [sales@nutribio.ie](mailto:sales@nutribio.ie) Website: [www.nutribio.ie](http://www.nutribio.ie)

## Protect Mobility

NutriBio are proud to announce the launch of its new Protect Mineral Range for horses. The range has been specifically formulated to meet the needs of today's sports horse in line with NRC guidelines.

PROTECT MOBILITY provides the complete mineral solution to the Sports horse's essential mineral and vitamin requirements, helping to keep your horse in peak condition. In addition to maintaining the general health of the horse PROTECT MOBILITY also contains a number of key ingredients which help to maintain the horses' mobility and protect supple joints. The block is suitable for use with all Sports/Event horses.

These key ingredients include:

- **Chondroitin Sulphate:** The key function being to attract fluid into the cartilage, which works to provide a natural cushion of support and protection in the joint area. Repairs and regenerates damaged joint cartilage.
- **MSM:** Is an organic sulphur based compound. Sulphur is a vital building block of joints, cartilage and skin and has anti-inflammatory properties. Used in combination with Glucosamine and Chondroitin, MSM can aid in the prevention of osteoarthritis.
- **Glucosamine:** is involved in the production of natural body lubricants, including, joint lubricating Synovial Fluid.

(The combination of the above three key ingredients will improve the levels of Glycosaminoglycans (GAGS) in the joints of the horse.)

## Improve Performance

**Yeast:** Increases the activity in the hindgut of fibre digesting bacteria, which aids in the reduction of gut acidity, therefore acting as a buffer and can aid in the prevention of Hind Gut Dysfunction.

The benefits of yeast include:

- Improved feed intakes and palatability, nitrogen retention and increased digestibility of calcium and phosphorus.
- Lower plasma lactic acid concentrations.
- Improves aerobic metabolic capacity which aids sustained performance.



## Essential Amino Acids

Methionine and Lysine are two essential Amino Acids which are required by the performance horse.

- **Methionine:** aids in the production of many important proteins including muscle tissue, keratin and haemoglobin.
- **Lysine:** is an amino acid which is key to improving protein availability and is required for muscle development, tissue repair and blood building.

## Minerals and Vitamins

Minerals and vitamins form an essential part of all horses' diets, due to the fact that certain forages may be lacking in essential trace elements it is vital that a nutritionally balanced mineral and vitamin supplement is provided to the horse to ensure the horses health stays in peak condition.

Antioxidant requirements increase dramatically during exercise. PROTECT MOBILITY contains the following antioxidants, Vitamin C and E and trace elements Selenium, Copper, Manganese and Zinc. PROTECT MOBILITY provides optimum levels of the following essential minerals and vitamins to help protect the overall health as well as the joints of your horse.

**Calcium and Phosphorus:**

(Are present in the ideal 2:1 ratio)

- Promote bone growth and development
- Contraction of muscles and regulation of the heartbeat.
- Buffers the blood system and aids in the activation of the B Vitamins.

**Magnesium:**

- Skeletal development and energy transfer.
- Maintains nerve and muscle membranes.

**Copper:**

- Energy and oxygen transfer.
- Aids correct bone formation.
- Promotes Iron absorption from the gut wall.

**Zinc:**

- Bone formation.
- Helps maintain healthy hooves, hair, skin and wound healing.
- Antioxidant and aids metabolism.
- It is critical to maintain a proper ratio of Zinc to Copper, in the range of (3:1 - 5:1), to maximise the absorption of both.

**Selenium:**

- Helps build immunity and is a powerful antioxidant.
- Is required for normal muscle function and to aid in the prevention of white muscle disease.

## Vitamins

- A** Promotes healthy skin, growth and vision.
- B1** (Thiamine): Nervous system, muscles and energy release.
- B2** (Riboflavin): Energy production and healthy skin.
- B4** (Choline) Aids memory and muscle performance and helps prevent fat build up in the liver.
- B6** (Pyridoxine) Used in protein metabolism.
- B8** (Biotin) Maintains healthy hoof growth and coat condition.
- B9** (Folic Acid) Promotes normal growth and development of the foetus.
- D3** Important for bone development and absorption of calcium.
- C** (Ascorbic Acid) Powerful antioxidant
- E** Powerful antioxidant and vital in fertility.