

EM.S12

A natural aid for obese equines



What is it?

A unique combination of Ayurvedic herbs, **EM.S12 Powder** is an effective aid for symptoms associated with obesity in equines. **EM.S12 Powder** will boost metabolism, help against insulin resistance and reduce inflammation.

This product does not contain any banned substances by the FEI or British Racing. Ideal for any horse, pony, mule or donkey at any age.

Equine Metabolic Syndrome (EMS)

Equine Metabolic Syndrome (EMS) is a collection of symptoms that puts horses, ponies or donkeys at very high risk of laminitis. Affected horses are typically obese and show abnormal fat deposits. Normally when horses put on weight they will do so evenly across the ribcage, back, shoulders and rump. In horses with EMS they will show an uneven build up of adipose tissue (fat) along the crest of the neck, tailhead regions, shoulders, sheath (for males), mammary glands (mares) and in the hollows above the eyes.

Adipose tissue produces its own hormones which prevent insulin from working properly. Insulin is a hormone released by the pancreas in response to high blood sugar. When horses eat, food is digested and broken down into sugar, causing blood sugar levels to rise. Insulin is then released, stimulating the body to utilise this blood sugar after which

the blood sugars drop to normal levels again. If the horse doesn't utilise all the sugar then the excess is stored as fat.

In obese horses, these excess fat cells cause a resistance to insulin. Insulin resistance causes blood sugars to stay high and also prevents the cells from recognising any insulin present. As a result of this, even more insulin is produced to try and reduce the blood sugar levels. This is termed hyperglycemia and is similar to Type 2 diabetes in humans. Continuously high levels of insulin in the blood is a direct cause of laminitis.

Excess adipose tissue also leads to leptin resistance. Leptin regulates appetite and signals to the horse when it is full. Leptin resistance means that the horse has no mechanism to feel full and consequently feels the need to eat more. If food is readily available the horse will continually eat which can lead to more weight gain.

EMS can also predispose Cushing's Disease (PPID). EMS and Cushing's Disease can show some of the same symptoms. To distinguish between EMS and Cushing's Disease, it is necessary to have a blood test from your vet.

Symptoms of EMS

- Obesity with abnormal fat deposits
- Frequent or recurring episodes of laminitis
- Cycles of low-grade laminitis which may not be noticed
- Poor hooves
- Weight loss is very hard
- Low energy/sluggishness
- Very thirsty
- Urinates a lot
- Mares become infertile or have irregular cycles
- Always hungry

What does EM.S12 Powder do for your horse?

The unique combination of herbs included in the powder work together to boost metabolism which can aid in weight loss. They will reduce inflammation associated with increased adipose tissue. It will also increase insulin sensitivity, helping to regulate blood sugar levels and help to reduce the risk of laminitis.

Information about the herbs found in **EM.S12 Powder** are listed below:

Herb / mineral	Latin name	What the herbs / minerals do?
Kokum	<i>Garcinia indica</i>	Antibacterial, antifungal, anti-ulcerogenic, cardioprotective, free radical scavenging, antioxidant and anti-obesity. Reduces inflammation in the gut, stimulates proper nutrient uptake and digestion of food.
Neem	<i>Azadirachta indica</i>	Anti-oxidant, anti-viral, anti-diabetes, anti-inflammatory, anti-bacterial, anti-fungal, neuro-protective.
Swertiamarin	<i>Enicostemma littorale</i>	Reduces blood glucose levels, anti-diuretic, improves kidney function, anti-inflammatory, analgesic, anti-microbial, anti-oxidant.
Dashmool - blend of 10 different tree and shrub roots	<i>Aegle marmelos</i> , <i>Premna obtusifolia</i> , <i>Gmelina arborea</i> , <i>Oroxylum indicum</i> , <i>Stereospermum suaveolens</i> , <i>Desmodium gangeticum</i> , <i>Uraria picta</i> , <i>Solanum indicum</i> , <i>Solanum xanthocarpum</i> , <i>Tribulus terrestris</i>	Stabilises blood glucose, anti-diabetic, anti-microbial, boosts immune system, anti-inflammatory, diuretic, digestive aid, analgesic.
Purified Shilajit		Anti-oxidant, anti-inflammatory, anti-diabetic, good for digestion

Herb / mineral	Latin name	What the herbs / minerals do?
Gurmar	<i>Gymnema sylvestre</i>	Decreases absorption of sugar from the intestine, increases insulin, anti-diabetic, anti-inflammatory, anti-microbial, aids insulin resistance
Ginger	<i>Zingiber officinale</i>	Anti-inflammatory, anti-obesity, prevents insulin resistance
Guduchi	<i>Tinospora cordifolia</i>	Anti-oxidant, anti-inflammatory, regulates blood sugar
Fenugreek	<i>Trigonella Foenum Graecum</i>	Regulates blood sugar levels, helps appetite control, anti-inflammatory, anti-oxidant
Tumeric	<i>Curcuma longa</i>	Anti-inflammatory, anti-oxidant, regulates blood sugar, can aid in weight loss
Triphala - blend of three plants	<i>Emblica officinalis, Terminalia bellerica, Terminalia chebula</i>	Antioxidant, anti-microbial, anti-inflammatory, aids weight and fat loss, reduces blood sugar levels
Kutaj	<i>Hollarhona pubescens</i>	Anti-inflammatory, analgesic, reduces blood sugar levels

How do I feed it to my horse?

Initially feed 15 grams per day for three days and then reduce to 10 grams per day thereafter. Mix with a little water and add to the feed.

For specific advice please get in touch and we'll be happy to help you.

Email: ron@ronfieldsnutrition.co.uk

Phone: 01432 851111

What other products can I feed with it?

Before trying the **EM.S12 powder**, you may like to give a course of our **Gut Restart** first. This will help clear out any congested or undigested foods and will help the gut absorb the **EM.S12 powder** more efficiently.

If you have an EMS horse that is prone to hoof issues, then combining the **EM.S12 powder** with **Remount** can give faster results.

Testimonials

Hi Ron, following our phone conversation today here's an update on my pony as requested.

I started using Remount & the EMS powder at the beginning of last week on my Shetland who has Cushings & EMS & was having an acute attack of laminitis. At that time the pony was on box rest & was very reluctant to move more than absolutely necessary. In the past when he has had an attack like this it has taken several weeks before he has become more comfortable & mobile. However, after receiving the Remount & EMS powder for approx 4 days he was moving around in his box & after 6 days I was able to put him out into my turnout area & he was happy to have a good play showing no sign of discomfort on the shredded carpet surface.

Just to add he is also fed on Total horse feed.

Regards

Julia

8/12/20