



### Castle Horse Feeds - It's what's on the inside that counts

When it comes to horse feed, it's what goes into a bag that determines what your horse gets out of it. And here at Castle Horse Feeds we put the best possible ingredients into every bag of feed we produce.

We select only top quality raw materials, using locally grown sources wherever possible, ensuring that our base formulations are of the highest quality. Our nutritionists balance our feeds using Zinpro® Performance Minerals which are designed for optimum absorption to deliver the nutritional benefits horses require. And we use an advanced digestive aid to promote beneficial bacteria in the hind gut, improve gut integrity and support a balanced, more efficient immune system.

One of the first things you may notice about the Castle Horse Feed range is that our prices are surprisingly low.

The reason for this is simple. We do this because we can.

When you pay for a bag of feed for your horse, you'd expect the majority of the cost to be the ingredients in the bag, right? Well unfortunately, this isn't always the case.

This is because for most feed brands, there are too many steps between raw ingredients being harvested and the feed arriving in your feed bin.

### We do things differently.

Castle Horse Feeds is part of Hay & Brecon Farmers, a co-operative that has been supporting farmers and land owners for over a century! We retain full control over production and distribution of our feeds, benefiting from a short and cost-effective production chain. This allows us to invest the money we save into better quality ingredients for your horse, whilst also reducing the price you pay per bag.

Our range offers you the flexibility to choose exactly the type of feed your horse needs, whether that's a premium quality balancer or a cool, condition or performance mix.

Maybe your horse is a cube dude and isn't too mad about mixes? No problem, the choice is yours with Castle!

Our feeds are not based on marketing hype. Rather each feed stands firm to provide a quality, nutritious and tasty blend, for the health, wellbeing and enjoyment of your horse.

At Castle, we produce products that are nutritionally sound, from quality ingredients that will happily compare to the established national brands and that will save you money. If products don't fit those criteria, then they don't make it into our range.

### **Our Partners**



More than 40 years ago, Zinpro® Corporation pioneered the research and development of organic trace minerals to improve animal wellness and performance. Zinpro® Performance Minerals deliver essential nutrients to help horses around the world perform at their peak.

Zinpro® Performance Minerals are designed for optimum absorption to deliver the nutritional benefits that horses require. Research shows that supplementing equine diets with trace minerals from Zinpro® positively affects many vital functions in horses including: hoof condition, reproduction, joints and skeleton, skin and



Diamond V is a global, researchfocused, technology-driven company that develops and manufactures natural products to improve nutrition, health, and performance in equines and other animals. It leads the way in the research, development, and delivery of unique microbial fermentation products for animal nutrition and health.

These functional metabolic compounds have increased bio-availability to promote

beneficial bacteria in the hind gut, improve gut integrity and support a balanced more efficient immune system. The XP range is manufactured using proprietary Saccharomyces cerevisiae fermentation technology that generates these unique functional metabolites



**UFAS** (Universal Feed Assurance Scheme) is a feed assurance scheme run by the Agricultural Industries Confederation. Designed to help achieve 'safe feed' for both the feed and food supply chains, it was set up to ensure complete traceability of feedstuffs, from harvesting of ingredients and manufacture through storage, packaging, loading, transport and delivery.

Manufacturing under the umbrella of UFAS approval

provides you with assurance that Castle Horse Feeds are produced to most stringent quality and safety standards. All appropriate standards have been adhered to and our expert team have the systems in place to ensure full compliance, with every batch of our feed manufactured to the highest possible standards.



Castle Horse Feeds are also a member of the BETA NOPS Scheme. Established in 2009, this scheme aims to reduce the risk of naturally occurring prohibited substances (NOPS) in equine feeds.

A prohibited substance can be defined as 'any substance that

can exert an effect on a horse'. NOPS are those that naturally occur in a feed, or are present due to cross contamination of ingredients during processing before arriving at a mill. The BETA NOPS is a stand-alone code run solely by the British Equestrian Trade Association







### Banana Mix



Everyday Range

### **Diamond Cool Cubes**



Everyday Range

Banana Cool Mix is an oat free mix to support horses and ponies in light to medium work. It provides a delicious and tempting feed whilst supplying essential energy, protein, vitamins and minerals.



Banana Mix provides the following:

- Tropical flavour of banana
- Energy levels to support work up to medium level
- Generous levels of the essential vitamins A, D & E
- Additional manganese, zinc and copper to support all round good health

Banana is a surprising choice as a flavour in horse feed. Its role as one of the horses' favourite flavours was scientifically proven in a study carried out by Southampton University in 2005¹.

Deborah Goodwin, BSc, PhD, research director of Applied Animal Behaviour Programmes, set up a two stage trial, which found that the horses' favourite flavours in descending order.

are:
1) Fenugreek 2) Banana 3) Cherry
4) Rosemary 5) Cumin 6) Carrot
7) Peppermint 8) Oregano

#### Ingredients: Oat Feed, Rolled Barley, Molasses, Micronised Flaked Barley, Wheatfeed, Micronised Flaked Maize, Micronised Flaked Peas, Grass Pellets, Vitamins & Minerals, Hipro Soya (GM), Banana Flavour, Soya Oil (GM).

Feeding Rate: 450-700 gm per 100Kg of horse's

veight, depending on condition and work done

Typical analysis			Minerals		
Protein	9%		Calcium	0.75%	
Oils & Fats	2.9%		Phosphorus	0.3%	
Fibre	13.75%		Sodium	0.3%	
Digestible Energy	11.6 MJ/Kg		Selenium	0.5 mg/Kg	
Starch	23%		Manganese	75 mg/Kg	
Sugar	5%		Zinc	75 mg/Kg	
			Copper	25 mg/Kg	

# Vitamins Vitamin A 9,000 iu/Kg Vitamin D3 1,100 iu/Kg Vitamin E 70 iu/Kg

<sup>1</sup>Reference: D. Goodwin, H.P.B. Davidson and P. Harris. 2005. Selection and acceptance of flavours in concentrate diets for stabled horses. Applied Animal Behaviour Science. 95(3-4): 223-232. Diamond Cool Cubes provide the following:

Diamond Cool Cubes are a fully balanced horse and pony cube with a whole cereal free

formulation. These cubes provide the essential nutrition needed to support health and well-

being for horses and ponies in maintenance to light work at a very competitive price.

- Low starch and sugar to reduce excitability
- Elevated levels of fibre to support hindgut health
- Energy levels suitable for maintenance to light work
- Generous levels of the essential vitamins A, D & E
- Additional manganese, zinc and copper to support all round good health



Typical ar	nalysis	Minerals		
rotein	10 %	Calcium	0.9 %	
ils & Fats	3.25 %	Phosphorus	0.5 %	
ibre	18 %	Magnesium	0.21 %	
igestible Energy	11.34 MJ/Kg	Sodium	0.41 %	
tarch	14 %	Selenium	0.33 mg/Kg	
ugar	4.58 %	Manganese	79 mg/Kg	
		Zinc	97 mg/Kg	
		Copper	25 mg/Kg	
		lodine	0.6 mg/Kg	

Vitamins			
Vitamin A	10,000 iu/ Kg		
Vitamin D3	1,500 iu/Kg		
Vitamin E	100 iu/Kg		
Vitamin B12	30 mcg/Kg		
Vitamin B1	3 mg/Kg		
Vitamin B2	2 mg/Kg		
Vitamin B6	3 mg/Kg		
Biotin	0.1 mg/Kg		

Ingredients: High Fibre Oat By-Product; Wheatfeed; Molasses; Hipro Sunflower meal; Vitamin Premix; Calcium Carbonate; Sodium Chloride.

Feeding Rate: 450-700 gm per 100Kg of horse's weight, depending on condition and work done.















# **Diamond Minty Mix**



Everyday Range

### **Emerald Mix**



Everyday Range

Diamond Minty Mix is an oat free mix for horses and ponies in light to medium work. This mix contains elevated levels of fibre to support hindgut health and function, whilst supplying essential nutrients to help promote health and performance, with a delicious minty taste and real garlic granules.



Diamond Minty Mix provides the following:

- Delicious minty flavour
- Real garlic granules to support respiratory health
- Generous levels of the essential vitamins A, D & E
- Additional manganese, zinc and copper to support all round good health
- Energy levels to support work up to medium level
- Controlled starch and sugar

a group of organic compounds which are all essential for normal metabolism, growth and function. Vitamins have varied and diverse roles in keeping your horse's body functioning well and are vital for equine health. Vitamins can be separated into fat-soluble (vitamins A, D, E and K) and water-soluble (Vitamin C and vitamin B complex). Vitamins are so important that a lack of them causes deficiency diseases. Vitamins are so important that a lack of them causes deficiency diseases; and so we provide them generously in the diet.

**Ingredients:** Oat Feed, Grass Pellets Micronised Flaked Barley, Rolled Barley, Molasses, Micronised Flaked Peas, Wheatfeed, Micronised Flaked Maize, Vitamins & Minerals, Hipro Soya Ext. (GM), Hipro Sunflower Ext. Mint Juice, Soya Oil, (GM).

Feeding Rate: 450-700 gm per 100Kg of horse's weight, depending on condition and work done

Typical ar	nalysis	Minerals		
Protein	11%	Calcium	0.75%	
Oils & Fats	2.9%	Phosphorus	0.33%	
Fibre	14.5%	Sodium	0.3%	
Digestible Energy	11.35 MJ/Kg	Selenium	0.5 mg/Kg	
Starch	20%	Manganese	75 mg/Kg	
Sugar	6%	Zinc	75 mg/Kg	
	-	Copper	37.5 mg/K	
		Cobalt	0.25 mg/K	
		Iodine	0.25 mg/K	

Vitamins			
11,500 iu/Kg			
1,300 iu/Kg			
185 iu/Kg			

Emerald Mix is an oat free formulation providing essential nutrition. Emerald Mix is an efficient feed that supplies your horse or pony with the essentials needed to support general health and wellbeing at a very competitive price.



Emerald Mix provides the following:

- Essential vitamins and minerals, including generous levels of vitamins A, D and E
- Manganese, zinc and copper to support all round good health
- Energy levels to support work up to medium level
- Controlled levels of Starch & Sugar
- Excellent value for money

		1			
Typical analysis		Mine	erals	Vitamins	
Protein	9 %	Calcium	0.75 %	Vitamin A	9,000 iu/Kg
Oils & Fats	2.9 %	Phosphorus	0.3 %	Vitamin D3	1,100 iu/Kg
Fibre	14.25 %	Sodium	0.3%	Vitamin E	70 iu/Kg
Digestible Energy	11.6 MJ/Kg	Selenium	0.5 mg/Kg		
Starch	23 %	Manganese	75 mg/Kg		
Sugar	5.2 %	Zinc	75 mg/Kg		
		Copper	25 mg/Kg		

Ingredients: Oat Feed, Rolled Barley, Molasses, Wheatfeed, Hipro Soya Ext. (GM), Micronised Flaked Maize, Vitamins & Minerals HiproSunflower Ext. Soya Oil

Feeding Rate: 450-700 gm per 100Kg of horse's weight, depending on condition and work done.











0.05%

Magnesium



# **High Fibre Cubes**



**Smart Zero Lite** 



Smart Zero

High Fibre Cubes are a very high fibre, low starch and sugar cube offering advanced nutrition to your horse or pony. They are designed to support maintenance to light work, whilst promoting optimum hind gut health and integrity. This whole cereal free cube has been designed for good doers, horses on box rest and horses and ponies prone to laminitis.



High Fibre Cubes provide the following:

- Beneficial and highly digestible super fibres
- Controlled levels of Starch & Sugar
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre fermentation
- Balanced vitamin and minerals to support health and condition
- A diet that is suitable for all horses and ponies with maintenance to low energy requirements that reduces the risk of excitability

to other nutrients the mineral content of the horses' diet is small, but this doesn't mean they are any less important. Minerals are compounds which are vital for health and have many crucial functions throughout the body. Minerals can be divided into Macrominerals which are required in higher amounts, and micro or 'trace' minerals which are needed in much smaller amounts. Making sure you provide your horse with a diet that supplies the right levels of macro and micro minerals will ensure optimal health and performance.

gredients: High Fibre Oat By-Product; Soya Hulls; Wheatfeed; Molasses; Soya bean meal, feed; Vitamin Premix; Calcium Carbonate; XPC); Soya Oil; Monocalcium Phosphate

Feeding Rate: 450-700 gm per 100Kg of horse's weight, depending on condition and work done

Typical analysis				
Protein	10.5 %			
Oils & Fats	3.25 %			
Fibre	22.0 %			
Digestible Energy	11 MJ/Kg			
Starch	10.0 %			
Sugar	4.48 %			

Typical analysis		Minerals		
ein	10.5 %	Calcium	1.10 %	
& Fats	3.25 %	Phosphorus	0.31 %	
9	22.0 %	Magnesium	0.19 %	
stible Energy	11 MJ/Kg	Sodium	0.41 %	
ch	10.0 %	Selenium	0.50 mg/Kg	
ar	4.48 %	Manganese	97 mg/Kg	
LOWSTARCH		Zinc	27 mg/Kg	
		Copper	26.6 mg/Kg	
		Iodine	0.6 mg/Kg	

Minerals			Vita	mins
n	1.10 %		Vitamin A	10,000 iu/Kg
orus	0.31 %		Vitamin D3	1,500 iu/Kg
sium	0.19 %		Vitamin E	200 iu/Kg
	0.41 %		Vitamin B12	30 mcg/Kg
m	0.50 mg/Kg		Vitamin B1	3 mg/Kg
nese	97 mg/Kg		Vitamin B2	2 mg/Kg
	27 mg/Kg		Vitamin B6	3 mg/Kg
	26.6 mg/Kg		Biotin	0.1 mg/Kg
		1		



is particularly suitable for horses and ponies with metabolic conditions or prone to laminitis who need a very low starch and sugar diet, whilst supporting work and weight management.

An appetising and beneficial fibre focused feed with an advanced formulation. Smart Zero Lite



Smart Zero Lite will provide the following:

- Low levels of energy (8MJ/Kg) to support maintenance and light
- Very low levels of starch 5.2% and sugar 1.7% to support insulin
- A blend of fibres to support digestive health and beneficial hindgut microbes
- Fully balanced vitamins and minerals to support optimum health and well-being
- Beneficial Omega 3 fatty acids with the inclusion of Smart linseed
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre digestion
- Added fenugreek to provide an attractive and tasty flavour

family as alfalfa and has traditionally been added to hay to improve palatability. Its role as the favourite flavour for horses was scientifically proven in a study carried out by Southampton University in 20051. Deborah Goodwin, BSc, PhD, research director of Applied Animal Behaviour Programmes, set

> up a two stage trial, which found that horses' favourite flavours in descending order are: 1) Fenugreek 2) Banana 3) Cherry 4) Rosemary 5) Cumin 6) Carrot 7) Peppermint 8) Oregano

is in the same plant

Ingredients: Oat Feed, Chopped Oat Straw, Grass Meal, Rape Seed Oil, Vitamins & Minerals, Micronised Flaked Peas, Micronised Linseed, Unmollased Beet Pulp, XPC Yeast, Fenugreek, Oregano, Sage, Garlic, Mint, Parsley, Marjoram, Peppermint, Di-cal.

Feeding Rate: 200-600 gm per 100 Kg of horse's weight, depending on condition and work done.

lypical analysis				
Protein	6%			
Oils & Fats	5.3%			
Fibre	27%			
Digestible Energy	8 MJ/Kg			
Starch	5.2%			
Sugar	1.6 %			

LOW STARCH LOW SUGAR
Low social

Minerals				
Calcium	0.775%			
Phosphorus	0.354%			
Magnesium	0.05%			
Sodium	0.3%			
Selenium	0.5 mg/Kg			
Cobalt	0.5 mg/Kg			
Manganese	75 mg/Kg			
Zinc	150 mg/Kg			
Copper	50 mg/Kg			
lodine	0.5 mg/Kg			

	Vitamins		
	Vitamin A	14,000 iu/ Kg	
	Vitamin D3	1,500 iu/Kg	
	Vitamin E	300 iu/Kg	
	Biotin	7.5 mg/Kg	

<sup>1</sup>Reference: D. Goodwin, H.P.B. Davidson and P. Harris. 2005. Selection and acceptance of flavours in concentrate diets for stabled horses. Applied Animal Behaviour Science. 95(3-4): 223-







Bag size: 15kg











### **Smart Zero Mash**



Smart Zero

### **Smart Zero Mix**

ASTLE

Smart Zero Mix



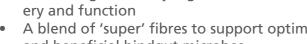
Smart Zero

Smart Zero Mash is a tasty and nutritious mash with mixed herbs, offering a high fibre, low starch and sugar diet. Smart Zero Mash is suitable for horses and ponies requiring top line and condition or controlled energy. Suitable for horses and ponies with metabolic or digestive health conditions and the veterans with reduced chewing ability and horses and ponies with compromised digestive health.



Smart Zero Mash will provide the following:

- A soothing and easily digestible feed to help support gut recovery and function
- A blend of 'super' fibres to support optimum digestive health and beneficial hindgut microbes
- Beneficial Omega 3 fatty acids to support natural anti-inflammatory processes
- along with work and performance
- Fully balanced vitamins and minerals to support optimum health and well-being



• Elevated energy levels to support condition and weight gain

Added fenugreek to provide an attractive and tasty flavour



ngredients: Soya Hulls, Unmolassed Sugar-beet Pulp, Grass Pellets, Flaked Peas, Full Fat Linseed Meal, Soya Oi Vitamins & Minerals, XPC Yeast, Fenugreek, Oregano, Sage, Garlic, Mint, Parsley, Marjoram, Peppermint.

Feeding Rate & Instructions: Mix with 3 times the volume of water and soak for 30-40 minutes before feeding. To speed up soaking time use warm/hot water.

#### \*\* Do Not Feed Dry \*\*

Feed 200 - 600 gm per 100Kg of horses weight, depending on condition and work done. Weigh before

Or replace weight for weight with your regular feed.



Typical analysis		Minerals		
Protein 13%		Calcium	0.98 %	
Oils & Fats	6.10%	Phosphorus	0.30 %	
Fibre 23%		Magnesium	0.05%	
Digestible Energy 12.4 Mj/Kg		Sodium	0.30%	
Starch	7.6%	Selenium	0.50 mg/Kg	
Sugar 4 %		Cobalt	0.50 mg/Kg	
		Manganese	75 mg/Kg	
LOW STARCH		Zinc	150 mg/Kg	
	OW SUGAR	Copper	50 mg/Kg	

Vita	mins
Vitamin A	14,000 iu/ Kg
Vitamin D3	1,500 iu/Kg
Vitamin E	300 iu/Kg
Biotin	7.5 mg/Kg
Biotiii	, , , , , , , , , , , , , , , , , , ,



Smart Zero Mix will provide the following:

Smart Zero Mix is a palatable, forage based, whole cereal free mix with an advanced formulation.

Smart Zero Mix is particularly suitable for working horses and ponies with metabolic and

digestive health conditions who need a low sugar and starch diet, those that are ulcer prone,

veterans and horses that become excitable on high cereal or starch diets.

- A high fibre blend with super fibres to support optimum digestive
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre fermentation
- Higher levels of oils and fats to support weight gain and condition
- Good levels of protein to support muscle development and integrity
- Elevated levels of biotin to support hoof health and integrity
- Fully balanced vitamins and minerals to support optimum health and well-being

Added fenugreek to provide an attractive and tasty flavour

> be the most important part of a horses' diet because horses have evolved over many thousands of years to process it. Fibre is a complex carbohydrate which is broken down or 'fermented' by billions of microbes living in the hindgut. This fermentation results in the release of volatile fatty acids (VFA) which supply essential energy for work and maintenance. Fibre has many benefits, keeping the digestive system healthy and promoting a relaxed, happy horse. Providing plenty of fibre first is the best way to prevent digestive problems and promote excellent health, well-being and condition

ngredients: Oat Feed Pellets, Grass Pellets, Grass Chaff, Micronized Peas, Rapeseed Oil, Micronized Linseed, Linseed Expeller, Unmolassed Beet Pulp, Vitamins, Minerals, XPC Yeast, Fenugreek, Oregano, Sage, Garlic, Mint, Parsley, Marjoram, Peppermint.

Feeding Rate: 200-600 gm per 100Kg of horse's weight, depending on condition and work done.

Typical ar	nalysis	Mine	erals
Protein 13%		Calcium	0.9 %
Oils & Fats	10.3%	Phosphorus	0.45 %
Fibre	17.5%	Magnesium	0.05%
Digestible Energy 12.9 Mj/Kg		Sodium	0.3%
Starch 7.6%		Selenium	0.5 mg/Kg
Sugar 5.2 %		Cobalt	0.5 mg/Kg
LOWSTARCH		Manganese	75 mg/Kg
		Zinc	150 mg/Kg
LO	W SUGAR	Copper	50 mg/Kg
		Indina	0.E.ma/Va

Vitamins		
Vitamin A	14,000 iu/Kg	
Vitamin D3	1,500 iu/Kg	
Vitamin E	300 iu/Kg	
Biotin	7.5 mg/Kg	













Bag size: 15kg



0.5 mg/Kg



### **Smart Zero Cubes**



**Castle Treats** 



Smart Zero

A superior, exceptionally high fibre cube delivering advanced nutrition with very low starch and sugar levels. Smart Zero Cubes are ideal for active, working horses and ponies prone to laminitis and metabolic conditions, horses with PPID (cushings disease), ulcer prone horses and ponies, veterans and all horses and ponies needing a low starch and sugar diet with sufficient energy to support work and performance.



Smart Zero Cubes will provide the following:

- Beneficial Super Fibres to support optimum digestive health
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre fermentation
- Elevated protein levels to support muscle development and integrity for condition and performance
- A balance of Omega 3 and 6 fatty acids for excellent skin and
- Fully balanced vitamins and minerals to support optimum health and well-being
- Calm energy for performance without excitability
- Added fenugreek to provide an attractive and tasty flavour







Ingredients: Soya Hulls, Grass Pellets, Full Fat Linseed Meal, Unmolassed Sugar-beet Pulp, Full Fat Soya Meal, Vitamins & Minerals, Vegetable Oil, Diamond V XPC Yeast, Fenugreek Oregano, Sage, Garlic, Mint, Parsley, Marjoram,

Feeding Rate: 200-600 gm per 100Kg of horse's weight, depending on condition and work done

Typical analysis			Mine	ra	ls
Protein	13%		Calcium		1 9
Oils & Fats	7.3%		Phosphorus		0.4
Fibre	27.8%		Magnesium		0.0
Digestible Energy	12.3 MJ/Kg		Sodium		0.3
Starch	4.6%		Selenium		0.5
Sugar	3 %		Cobalt		0.5
		-	Manganese		75
	- Unch		Zinc		15

╛		IVIIIICIC	113
		Calcium	1 %
		Phosphorus	0.4 %
		Magnesium	0.05%
		Sodium	0.30%
		Selenium	0.5 mg/Kg
		Cobalt	0.5 mg/Kg
		Manganese	75 mg/Kg
		Zinc	150 mg/Kg
		Copper	50 mg/Kg
		Iodine	0.5 mg/Kg

IVIIIICI	113	V
Calcium	1 %	Vitamin A
Phosphorus	0.4 %	Vitamin D
Magnesium	0.05%	Vitamin E
Sodium	0.30%	Biotin
Selenium	0.5 mg/Kg	
Cobalt	0.5 mg/Kg	
Manganese	75 mg/Kg	
Zinc	150 mg/Kg	
Copper	50 mg/Kg	
odino	0.5 ma/Ka	



You can now reward your horse with a high fibre, low sugar treat that contains zero molasses and zero whole grains. Castle Treats contain mixed herbs and peppermint oil, for a taste your horse will adore.



Castle Treats will provide:

- A rewarding safe treat for your horse
- Zero molasses
- Zero whole grains
- Low sugar 4.7%
- The delicious taste of mixed herbs and peppermint oil

ngredients: Oat Feed, Grass Meal, Wheat Feed, Mixed Herbs, Limestone, Salt, Peppermint Oil

Typical analysis		
Protein	9%	
Oils & Fats	3%	
Fibre	21%	
Digestible Energy	8 MJ/Kg	
Sugar	4.7 %	
Starch	7.4%	



penefits of feeding your horse treats can be beneficial as a training tool and reward. Treats can be used as part of positive reinforcement which horses respond well to due to the way they learn. Research studies by Innes and McBride (2007) and Warren-Smith and McGreevy (2008) have shown that positive reinforcement can enhance learning and the motivation to learn. Using treats in this way can help create a cooperative and willing horse whilst strengthening the human - horse relationship. Additionally, offering treats in a snack ball or similar can be beneficial for stabled horses as they

> help promote natural foraging behaviour (Henderson and Warren, 2001; Winskill et al. 1996). Encouraging this natural

> > foraging can help reduce

Bag size: 2kg







Bag size: 15kg





# Golden Age Mix



(ASTLE

Golden Age Mix is a palatable, appetising and beneficial mix to support older horses and ponies in their golden years. Designed to supply targeted nutrition for older horses and ponies, Golden Age Mix can be fed for work and / or condition.

#### Golden Age Mix provides the following:

- Generous levels of quality protein from linseed and soya to support muscle integrity, top line and condition
- Increased energy levels to support work and weight gain
- Micronised cereals for enhanced digestion
- Low starch (<20%) and sugar to minimise digestive upset
- Elevated levels of vitamin E for antioxidant support
- Zinpro® Performance minerals for optimum health and condition
- Beneficial Omega 3 fatty acids with the inclusion of linseed
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre digestion

Typical analysis		
Protein	13 %	
Oils & Fats	4.65 %	
Fibre	13.5 %	
Digestible Energy	12 MJ/Kg	
Starch	18.3 %	
Sugar	7.0 %	

Minerals		
Calcium	0.65 %	
Phosphorus	0.40 %	
Magnesium	0.05%	
Sodium	0.30%	
Selenium	0.50 mg/Kg	
Cobalt	0.50 mg/Kg	
Manganese	75 mg/Kg	
Zinc	150 mg/Kg	
Copper	50 mg/Kg	
Iodine	0.5 mg/Kg	

Vita	mins
Vitamin A	14,000 iu/ Kg
Vitamin D3	1,500 iu/Kg
Vitamin E	300 iu/Kg
Biotin	7.5 mg/Kg



and work done



Ingredients: Grass Pellets, Oat Feed, Micronised Flaked Barley, Molasses,

Micronised Flaked Peas, Rapeseed Oil

east, Hipro Sunflower Extract, Soya Oi Feeding Rate: 400-800 gm per 100Kg o norse's weight, depending on condition

Bag size: 20kg

# Top Feeding Tips For Your Veteran

#### ✓ Supply good-quality, easily digestible fibre Forage and fibre are always essential but if your older horse struggles with chewing, adapting the type of fibre can help. Haylage and easily digestible fibres like soaked unmolassed beet pulp and grass pellets can help add weight which may be lost through less efficient chewing and digestion. Fibre releases heat as it is digested so can provide essential central heating.

#### ✔ Provide essential vitamins and minerals

Correct levels of micronutrients are essential because less efficient digestion can reduce the availability of important vitamins and minerals for the older horse.

#### ✓ Ensure access to water

Dehydration can be more common in veterans so making sure they have access to clean, fresh water is

#### ✔ Provide protein

Less efficient digestion means older horses will normally have a higher requirement for quality protein. Look for feeds containing good levels of quality protein, such as Linseed and Soya.

#### ✓ Add fats and oils for condition

Fats and oil contain up to 2.5 times more energy than cereals and are a useful calorie source for weight gain. Linseed meal can be a valuable addition and is rich in Omega 3 fatty acids which have useful antiinflammatory properties.

### ✓ Enhance Digestion

Prebiotic yeast metabolites have been shown to enhance fibre fermentation in the hindgut so feeds containing these can help veterans get the most out of their forage for health and condition.

# **Super Cool Mix**



Super Cool Mix is a high specification, concentrated cool mix, formulated to deliver advanced nutrition for your horse or pony. Uniquely designed to be fed at a third less than a regular cool mix, Super Cool Mix is suitable for all horses and ponies in light to medium work



Super Cool Mix provides the following:

- Zinpro® Performance minerals for optimum health and
- Elevated Biotin levels to support strong, healthy hooves
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre digestion
- Reduced starch and sugar levels to provide energy without excitability
- Beneficial Omega 3 fatty acids from added linseed
- The luxurious and delicious flavours of black cherry and
- Exceptional value for money



gredients: Oat Feed, Grass Pellets, Micronised Flaked Barley, Molasses, Micronised Flaked Peas, Micronised Flaked Maize, Wheat Feed, /itamins & Minerals, Full Fat Linseed meal, Black Fruits Flavour, Hipro Soya Meal, XP Yeast, Hipro Sunflower Extract, Soya Oil.

Feeding Rate: 200-400 gm per 100Kg of horse's eight, depending on condition and work done





**Vitamins** 

Typical analysis		Minerals		
Protein	10.5 %		Calcium	0.70 %
Oils & Fats	3.7 %		Phosphorus	0.35 %
Fibre	16 %		Magnesium	0.05%
Digestible Energy	11.1 MJ/Kg		Sodium	0.30%
Starch	16 %		Selenium	0.50 mg
Sugar	6.8 %		Cobalt	0.50 mg
			Manganese	75 mg/k
			Zinc	150 mg/
			Copper	50 mg/k

		ш		
um	0.70 %		Vitamin A	14,000 iu/K
phorus	0.35 %		Vitamin D3	1,500 iu/Kg
nesium	0.05%		Vitamin E	300 iu/Kg
um	0.30%		Biotin	7.5 mg/Kg
nium	0.50 mg/Kg	]		
		î		

/Kg















### **Condition & Show Mix**



Condition and Show Mix is a palatable, high-specification mix, delivering advanced nutrition to support condition and performance. An oat-free formulation, it provides elevated energy and protein and is suitable for horses and ponies needing extra condition and those in regular, more intense work.



Ingredients: Grass Pellets, Oat Feed, Micronised Flaked Barley, Molasses, Micronised Flaked Peas, Rapeseed Oil, Micronised Flaked Maize, Vitamin & Minerals, Wheat Feed, Full Fat Linseed Meal,

Feeding Rate: 400-800 gm per 100Kg of horse's weight, depending on condition and work done

Hipro Soya meal, Original XP Yeast, Hipro

Sunflower Extract, Soya Oil.

Typical analysis		Minerals	
Protein	11.5 %	Calcium	0.75 %
Oils & Fats	8.5 %	Phosphorus	0.36 %
Fibre	14.5 %	Magnesium	0.05%
Digestible Energy	12.5 MJ/Kg	Sodium	0.30%
Starch	14 %	Selenium	0.50 mg/Kg
Sugar	7.45 %	Cobalt	0.50 mg/Kg
		Manganese	75 mg/Kg
		Zinc	150 mg/Kg
		Copper	50 mg/Kg
		1 - 15	0.5 "/

Condition & Show Mix provides the following:

- Low starch for controlled performance without excitability
- Elevated Biotin to support strong, healthy hooves
- Zinpro® performance minerals for optimum health and condition
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre digestion
- Quality protein sources from linseed and soya
- Omega 3 and 6 fatty acids to support skin and coat health
- High fibre to support hindgut health
- Good levels of vitamin E for antioxidant support

needed for body processes and exercise and needs to be supplied from the diet. There are three major dietary energy sources – simple carbohydrates (starch and sugar), complex carbohydrates (fibre) and fats/oils which produce different types of energy depending on how they are broken down. Starch and sugar are sources of fast-release energy useful for fast work and fats and fibre produce slow-release energy which provides stamina and promotes calmness. Energy has a big impact on condition and behaviour, too much can mean excitability and weight gain and too little can result in weight loss so providing the correct amount and balance is essential.

Vitamins		
14,000 iu/ Kg		
1,500 iu/Kg		
300 iu/Kg		
7.5 mg/Kg		





# **Condition & Show Cubes**



A high-specification cube delivering advanced nutrition to support condition and performance. It provides elevated energy and protein and is suitable for horses and ponies needing extra condition and those in regular, more intense work.

Condition & Show Cubes provide the following:

- Low starch for controlled performance without excitability
- Fully balanced vitamins and minerals to support health and condition
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre digestion
- Quality protein sources from linseed and soya
- Omega 3 and 6 fatty acids for excellent skin and coat health
- High fibre to support hindgut health
- Good levels of vitamin E for antioxidant support

Copper

lodine

Typical an	Typical analysis	
rotein	13.0 %	Calcium
ils & Fats	6.0 %	Phosphorus
ibre	12.5 %	Magnesium
igestible Energy	12.7 MJ/Kg	Sodium
tarch	15.5 %	Selenium
ugar	6.30 %	Manganese
		7inc

ls		Vitamins		
1.14 %		Vitamin A	10,000 iu/Kg	
0.63 %		Vitamin D3	1,500 iu/Kg	
0.27 %		Vitamin E	200 iu/Kg	
0.41%		Vitamin B12	30 mcg/Kg	
0.6 mg/Kg		Vitamin B1	3 mg/Kg	
97 mg/Kg		Vitamin B2	2 mg/Kg	
155 mg/Kg		Vitamin B6	3 Mg/Kg	
38 mg/Kg		Biotin	0.1 mg/Kg	
0.1 ma/Ka	ľ			





Ingredients: Wheatfeed; High Fibre Oat By-Produc Linseed Expeller; Molasses; Soya bean meal; Maize Grass, dried; Full Fat Linseed Meal; Soya Oil; Calciu Carbonate; Vitamin Premix; Sodium Chloride; Yeas Product (Diamond V XPC); Monocalcium Phosphate

Feeding Rate: 400-800 gm per 100Kg of horse's weight, depending on condition and work done





Bag size: 20kg





Bag size: 20kg





# Stud & Breeding Mix



Vitamins

Vitamin A
Vitamin D3

14,000 iu/Kg

1,500 iu/Kg 300 iu/Kg 7.5 mg/Kg

Stud & Breeding Mix is a high-quality mix for broodmares, stallions and young stock, formulated to promote prime condition and health. Stud & Breeding Mix supports optimum reproductive function, growth and development through its elevated profile of protein, vitamins and minerals. This feed can be offered to foals as their first cereal feed.



Stud & Breeding Mix provides the following:

- Safe energy, to promote optimum performance, growth and condition
- Quality protein to support muscle growth and development
- Zinpro® Performance minerals for optimum health and condition
- Essential Omega 6 and Omega 3 fatty acids from Soya and Linseed
- XP yeast metabolites to support and promote beneficial bacteria and enhanced fibre fermentation

Typical ar	nalysis
Protein	15.5 %
Oils & Fats	4.6 %
Fibre	11 %
Digestible Energy	11.78 MJ/Kg
Starch	19.5 %
Sugar	6.8 %

Ingredients: Oats, Oat Feed, Grass Pellets, Hipro Soya Meal, Molasses, Micronised Flaked Peas, Wheat Feed, Micronised Flaked Maize, Full Fat Linseed Meal, Hipro Sunflower Extract, Vitamins & Minerals, XP Yeast, Soya Oil.

Feeding Rate: 400-1000 gm per 100Kg of horse's weight, depending on stage of pregnancy, lactation or growth.







Bag size: 20kg



# Stud & Breeding Cubes



Stud & Breeding Cubes are a high-quality cube for broodmares, stallions and young stock, formulated to promote prime condition and health. These cubes will support optimum reproductive function, growth and development through their elevated profile of protein and vitamins and minerals.

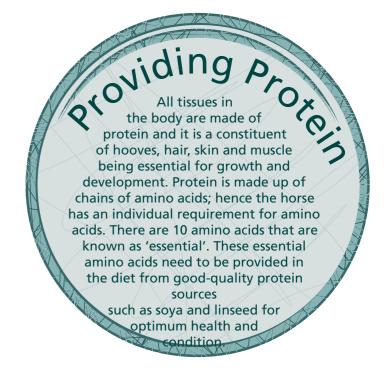


Ingredients: High Fibre Oat By-Product; Wheat; Soya bean meal; Linseed Expeller; Grass, dried; Molasses; Vitamin Premix; Sodium Chloride; Yeast Product (Diamond V XPC); Calcium Car-bonate; Monocalcium Phosphate; Soya Oil).

**Feeding Rate**: 400-1000 gm per 100Kg of horse's weight, depending on stage of pregnancy, lactation or growth.

Stud & Breeding Cubes provide the following:

- Safe energy, to promote optimum performance, growth and condition
- Quality protein to support muscle growth and development
- Balanced vitamin and minerals support health and condition
- Essential Omega 6 and Omega 3 fatty acids from Linseed
- XP yeast metabolites to support and promote



Typical analysis				
Protein	16.0 %			
Oils & Fats	4.25 %			
Fibre	10.0 %			
Digestible Energy	12.5 MJ/Kg			
Starch	20.0 %			
Sugar	6.41 %			

Minerals		
Calcium	1.15 %	
Phosphorus	0.70 %	
Magnesium	0.29 %	
Sodium	0.6 %	
Selenium	0.50 mg/ Kg	
Manganese	nganese 146 mg/Kg	
Zinc 38 mg/Kg		
Copper	1.2 mg/Kg	
Iodine	0.5 mg/Kg	

	Vitamins		
	Vitamin A	15,000 iu/ Kg	
	Vitamin D3	2,250 iu/Kg	
	Vitamin E	300 iu/Kg	
	Vitamin B12	45 mcg/Kg	
	Vitamin B1	5 mg/Kg	
9	Vitamin B2	3 mg/Kg	
	Vitamin B6	5 Mg/Kg	
	Biotin	0.15 mg/Kg	





Bag size: 20kg









### **Smart Balance**



The advanced specification of Smart Balance supports muscle development, immunity, hoof, skin and coat quality, digestion and temperament. It provides optimal levels of vitamins, minerals and micronutrients to support health and performance, yet it's low in starch and sugar, made without cereals or cereal by-products, is Soya free,

For horses whose energy requirements are met by forage alone, Smart Balance can be fed as the sole concentrate, to provide optimum levels of micronutrients in the diet.

contains non GMO ingredients AND is molasses free!

For horses whose energy and protein needs are a little higher, Smart Balance acts as the foundation to your Horse's Diet, with the addition of Smart Müesli, Smart Linseed and Smart Fibre according to your horse's individual needs.

Smart Balance will provide the following:

- Optimal levels of vitamins, minerals and micronutrients to support performance
- High levels of vitamin E and selenium antioxidants that combat free-radicals to optimise muscle function
- Biotin supplied at 15mg per 500Kg horse per day, which is scientifically proven to improve hoof quality
- Generous levels of B vitamins for efficient energy metabolism
- Low starch and sugar
- Cereal Free, made without cereals or cereal by-products
- Soya, Non GMO ingredients and molasses free

Ingredients: Grass meal, Micronised Peas, Micronised Linseed, Unmolassed Beet Pulp, Vitamins, Minerals, XPCLS Yeast.

Feeding Rate: 100g per 100Kg of horse's weight. For example, a 500Kg horse will require 500g per day. Always introduce Smart Linseed gradually to allow the digestive system time to adjust to the new feed.

Horse or Pony Weight	Height	Туре	Recommended daily feeding rate
250Kg	10-12 hands	Small Pony	250g
375Kg	12.2-14.2 hands	Pony	375g
600Kg	15-16 hands	Horse	500g
625Kg	16.2 hands	Large Horse	625g

Smart Balance			
Bag Size	15Kg		
Crude Protein	16%		
Lysine	15,000 mg/Kg		
Methionine	3,000 mg/Kg		
Oil	5.5%		
Fibre	15.5%		
Digestible Energy	10 MJ/Kg		
Starch	6.9%		
Sugar	6.2%		
Omega 3 (Linolenic Acid)	2.66%		
Omega 6 (Linoleic Acid)	1.35%		
XPCLS	30 g/Kg		

Smart Balance Vitamins				
Vitamin A	55,000 iu/ Kg			
Vitamin D3	7,500 iu/Kg			
Vitamin E	2,500 iu/Kg			
Vitamin K	20 mg/Kg			
Vitamin B1	400 mg/Kg			
Vitamin B2	120 mg/Kg			
Vitamin B12	0.5 mcg/Kg			
Vitamin B6	120 mg/Kg			
Vitamin B5	100 mg/Kg			
Niacin	250 mg/Kg			
Choline	200 mg/Kg			
Folic Acid	50 mg/Kg			
Biotin	30 mg/Kg			

<b>Smart Balance Minerals</b>				
Calcium	3%			
Phosphors	1%			
Magnesium	0.7%			
Iron	none added			
Copper	250 mg/Kg			
Manganese	400 mg/Kg			
Zinc	750 mg/Kg			
Cobalt	2 mg/Kg			
Selenium Yeast	2 mg/Kg			
lodine	2 mg/Kg			
Salt	1%			



Rich in essential Omega 3 fatty acids, with a ratio of 2:1 Omega 3 to Omega 6. The horse cannot synthesise Omega 3 itself, it needs to be provided in the diet. Omega 3 in the form of a-linoleic

acid is essential to health. In the shortterm it may lead to better skin and coat condition, fewer skin allergies and inflammatory responses. Lasting benefits are thought to include improved hoof quality, increased bone density, improved joint health and reduced muscle







Bag size: 15K g









### Smart Müesli



Smart Balance Range

**Smart Linseed** 



Smart Müesli supplies cool calories in a low sugar and starch formulation, ideal for competition and showing & weight gain. Designed to be fed alongside Smart Balance, Smart Müesli can be fed according to work done or weight gain needed, without compromising a balanced diet.



Smart Müesli provides the following:

- 14 MJ/Kg digestible energy
- High oil
- Low starch
- A diet made without cereal by-products
- A feed that is Soya free
- A diet that is Molasses free
- A feed made from Non GMO ingredients

Ingredients: Grass meal, Micronised Linseed, Unmolassed Beet Pulp, Micronised Flaked Barley (10.5%), Rapeseed Oil, Micronised Flaked Peas (5%), Micronised Flaked Wheat (3%), Micronised Flaked . Maize (2%).

Feeding Rate: Feed in addition to Smart Balance as needed; up to 600g per 100Kg of live weight i.e. a 500Kg horse will require up to 3Kg per day.

Typical analysis					
Crude Protein	12.7%				
Oil	11.7%				
Fibre	15%				
Digestible Energy	14 MJ/Kg				
Starch	13.7%				
Sugar	6%				
Calcium	1%				
Phosphorus	0.3%				



The benefits of Linseed:

important role in helping to maintain immune function and to support repair processes.

Smart linseed is pre-cooked so that it can be fed to your horse straight from the bag. Cooking improves

feed value and palatability and destroys the naturally occurring Linase. Linseed is high in oil and has been

fed to horses for many years for its significant health benefits. These health benefits are predominantly linked to the high presence of Omega 3 fatty acids. Feeding Smart linseed will promote healthy skin and will help to produce a high shine to your horse's coat. Omega 3 fatty acids are thought to also play an

- The Omega 3 fatty acids contained within linseed are thought to have strong anti-inflammatory properties
- Linseed may help to boost the immune system, making it beneficial for horses with metabolic conditions as well as veteran horses
- Adding fat to a horse's diet has been shown to improve coat and skin condition, making linseed an excellent feed to promote skin and coat health
- Smart Linseed is a useful feed for those horses and ponies that need a low starch and sugar diet but still need to maintain condition
- Linseed contains highly digestible soluble fibre that not only provides an excellent energy source for horses but also contains mucilages which could be beneficial for gastrointestinal function and integrity.

gredients: Cooked Linseed Meal.

Feeding Rate: Feed in addition to Smart Balance as needed. Smart Linseed should be fed at a rate of 50-200g per 100kg body weight. For weight gain, Smart Linseed can be fed at a rate of up to 1kg/day for a 500Kg horse.

Always introduce Smart Linseed gradually to allow the digestive system time to adjust to the new feed.

Typical analysis					
20.7%					
35%					
6.3%					
20.5 MJ/Kg					
3.7%					
3.15%					
0.9%					
0.45%					





onega Fatty acids for health are Omega 3 and Omega 6. These essential Omega fatty acids both have beneficial functions, which include gut membrane integrity, immunity and skin, hoof and coat health. Omega 3 fatty acids are known for their anti-inflammatory properties so can be beneficial to counteract inflammation. Omega 6 and Omega 3 fatty acids need to be supplied in the right balance for them to function properly within the body. Horses and ponies need a higher level of Omega 3 than Omega 6 and so that needs to be provided for in the diet.

Bag size: 20kg







Bag size: 20kg



## Feed Finder

Use our feed finder below to help choose the best feed for your horse, according to their individual needs. The feed suggested may need further tailoring to your horse or ponies specific requirements, particularly if they suffer with any nutritionally

related conditions. Feel free to contact our nutrition team for personalised feeding advice to ensure the perfect diet for your horse or pony.

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	Maintante Rest Rest Rest	dout weeky birneely the diving have kiding lub	Hard Morte show the showing the ting	ont Gair Weight Control	Joets Morking tallions & Morking Mark stud Morking tallions & Morking Mark stud Morking tallions & Morking Mark stud Morking tallions & Morking Mark
Everyday Range			7 / / /		
Banana	✓ ✓	$\checkmark$ $\checkmark$ $\checkmark$			$  \checkmark  $
Diamond Cool Cubes	✓ ✓	$\checkmark$ $\checkmark$ $\checkmark$			$\checkmark$
Diamond Minty Mix	✓ ✓	$\checkmark$ $\checkmark$ $\checkmark$			$\checkmark$
Emerald Mix	✓ ✓	$\checkmark$ $\checkmark$ $\checkmark$			$\checkmark$
High Fibre Cubes	<b>√ √ √</b>	<b>√ √ √ √</b>		✓ ✓	<b>✓</b>
Smart Zero Range					
Smart Zero Lite	<b>√ √ √</b>	$\checkmark$ $\checkmark$ $\checkmark$	<b>√ √ √ √</b>	$\checkmark$	$\checkmark$
Smart Zero Mash	<b>√ √ √</b>	<b>√ √ √ √</b>	✓ ✓ ✓ ✓ ✓ ✓	/ /	<b>√ √</b>
Smart Zero Mix		<b>√ √ √</b>	✓ ✓ ✓ ✓ ✓ ✓	/ /	<b>✓ ✓</b>
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Specalist Feeds					
Super Cool Mix	✓ ✓	$\checkmark$ $\checkmark$ $\checkmark$			$\checkmark$
Condition & Show Mix		$\checkmark$ $\checkmark$	<b>√ √ √ √ √</b>	/ /	$\checkmark$
Condition & Show Cubes		$\checkmark$ $\checkmark$	✓ ✓ ✓ ✓ ✓ ✓	/ 🗸	$\checkmark$
Stud & Breeding Mix					$\checkmark$ $\checkmark$ $\checkmark$
Stud & Breeding Cubes					✓
Golden Age	<b>√</b>			$\checkmark$	
Smart Balance Range					
Smart Balance	$\checkmark$ $\checkmark$	$\checkmark$ $\checkmark$ $\checkmark$	<b>✓ ✓ ✓ ✓ ✓</b>	<b>✓ ✓</b>	√ √ √ √ √ √
Smart Muesli		$\checkmark$ $\checkmark$	<b>✓ ✓ ✓ ✓ ✓</b>	<b>✓ ✓</b>	$\checkmark$ $\checkmark$ $\checkmark$
Smart Linseed		$\checkmark$ $\checkmark$	<b>✓ ✓ ✓ ✓ ✓</b>		<b>√ √ √ √</b>







Contact us today to COMPARE your current feed to Castle Horse Feeds, for superior quality nutrition AND to SAVE £££ on your feed bill!!

Castle Horse Feeds® is a registered trade mark of Hay & Brecon Farmers



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