



**HYGAIN
ZERO®**

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Low Carb - Low GI Equine Formula™

A world leader

We know that when it comes to horses, sometimes it's not what we put in the feed, but what we take out that really makes the difference and that's exactly what makes HYGAIN ZERO® a world leader in Equine nutrition.

A true Low Carb - Low GI Equine Formula™



HYGAIN ZERO® is a unique Low Carb - Low GI formula for all equines, with less than 1.5% starch, less than 5.5% non structural carbohydrates (NSC) and absolutely no grain or grain by-products. Hygain Zero® is a unique Low Carb - Low GI formula for all equines.

A World Leader

- ✓ Less than 5.5% NSC
- ✓ Less than 1.5% Starch
- ✓ No Cereal Grains
- ✓ No Cereal Grain By-Products
- ✓ High fibre slow release energy
- ✓ Biotin Enriched
- ✓ Bio-Mos®
- ✓ Natural Vitamin E
- ✓ Bio-Available Selenium



HYGAIN
FEEDING CHAMPIONS SINCE 1983

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...nothing else compares

Some claim to have
a low starch feed
We really do

Understanding carbohydrates

Carbohydrates found in equine diets can be divided into two types: Structural and Non-structural.

Structural carbohydrates

Often referred to as fibre, structural carbohydrates are critical in the equine diet. Fibrous carbohydrates are resistant to enzyme digestion in the small intestine and must be fermented by bacteria in the horse's large intestine.

Hay, mature pasture grass, and HYGAIN® Super Fibres are excellent sources of fibrous carbohydrate.

Non-structural carbohydrates

Non-structural carbohydrates are sugars and starches that are broken down by enzymes in the horse's small intestine into simple sugars. These simple sugars are absorbed from the small intestine and circulate in the blood as glucose.

The hormone insulin removes glucose from the blood and stores it in the liver and muscle as glycogen, or when an excess amount of NSC is consumed, it is converted to fat and stored throughout the body. Common sources of non-structural carbohydrates in horse diets include cereal grains such as oats, corn and barley, molasses and cereal grain by-products such as bran, pollard and rice bran.

Why reduce carbohydrates?

Research has shown that metabolic disorders such as Obesity, Insulin Resistance, Laminitis, Cushings, Tying-Up as well as behavioral excitability may be associated with the excess NSC (sugar and starch) in the diet. Expert nutritionists and veterinarians researching in this field have determined "low carb" to be less than 10% NSC.

Why do you need HYGAIN ZERO®?

HYGAIN ZERO® was developed to support the specialised dietary requirements of horses & ponies with conditions such as

- Cushings
- PSSM
- Equine Metabolic Syndrome
- Insulin Resistance
- Laminitis
- Grain Intolerance
- Tying-Up
- Obesity

The unique Low Carb – Low GI profile however is suitable for any equine requiring a low sugar and starch diet.



Product analysis (as fed)

Crude Protein	15%	Calcium.....	1.2%
Crude Fat	4%	Phosphorus.....	0.5%
Max Crude Fibre	35%	Vitamin E.....	500IU/kg
Added Salt.....	1.25%	Selenium.....	0.75mg/kg
WSC less than.....	4%	Biotin.....	5000ug/kg
ESC less than.....	4.5%		
Starch less than.....	1.5%		

HYGAIN ZERO®

A unique blend of quality ingredients

- Vegetable protein meals
- Legumes & Legume Hulls
- Calcium Carbonate
- Di-Calcium Phosphate
- Magnesium Oxide
- Lysine
- Methionine
- Sodium Zeolite
- Bio-Mos®
- Selplex® Organic Selenium
- HYGAIN® Vitamin and Chelated Mineral Premix

Feeding Guide

HYGAIN ZERO® is a high fibre fortified formula designed to be fed with quality pasture approximating 1 to 1.5% of total body weight per day and where necessary, the diet may also be supplemented with hay. Soaking of hay is recommended for horses prone to starch/sugar related conditions (eg. Laminitis, Cushings, PSSM etc). If feeding oaten or wheaten hay ensure that grain content is minimal. The use of chaff is not required.

Feeding Chart

Body Weight	Height	Maintenance	Light/Moderate Work	Performance
250-350kg	13-14hh	0.5 – 2kg	1kg – 2kg	1.5kg – 2.5kg
350-450kg	14-15hh	1kg – 2.5kg	2kg – 3.5kg	3kg – 5kg
450-550kg	15-16hh	1.5kg – 4kg	2.5kg – 4kg	4.5kg – 6kg
550-650kg	16hh +	2kg – 5kg	3kg – 6kg	5kg – 7kg

Additional Supplementation

HYGAIN ZERO® contains concentrated vitamin and mineral levels, however if intake is below feeding guide additional supplementation with a low intake balancing formula such as HYGAIN® BALANCED® or HYGAIN® SPORHORSE® should be considered.

Fat – HYGAIN® recommends the use of HYGAIN® RBO® Equine Performance Oil® in cases such as PSSM or Tying-Up where horses may benefit from additional fat in their diet for concentrated slow release energy and general conditioning.

Electrolytes – In warmer climates and in cases of Tying-Up, HYGAIN® recommends the use of HYGAIN® REGAIN® electrolyte replacer to replenish the mineral salts lost in sweat.

1kg of HYGAIN ZERO® provides the following nutrients (as fed)

Lysine.....	7g	Manganese.....	150mg	Vitamin D3.....	1575IU
Methionine.....	4g	Copper.....	60mg	Vitamin E.....	500IU
Calcium.....	12.5g	Iodine.....	1mg	Vitamin K.....	8.25mg
Phosphorus.....	5g	Cobalt.....	1.2mg	Niacin.....	50mg
Magnesium.....	6g	Selenium.....	0.75mg	Pantothenic Acid.....	20mg
Sodium.....	5g	Vitamin A.....	10500IU	Folic Acid.....	5mg
Potassium.....	9g	Vitamin B1.....	9.75mg	Biotin.....	5000ug
Chloride.....	8.5g	Vitamin B2.....	16.50mg	Choline.....	595mg
Iron.....	300mg	Vitamin B6.....	4.5mg	Bio-Mos®.....	2000mg
Zinc.....	170mg	Vitamin B12.....	53ug		

Less than 1.5% starch

No cereal grains or cereal grain by-products

Less than 5.5% non-structural carbohydrates