

# HI FORM

## GrowthFix

Young horse protection, ideal for the growing horse. Contains nutrients needed for the normal growth and health of both the muscular and skeletal systems. It also has a role in the absorption of calcium and phosphorus, maintaining normal healthy vision, skin, reproductive performance and growth processes.



### ALL IN ONE GREAT PRODUCT PROTECT YOUNG BONES

*Due to the increased need of specific nutrients, vitamins and minerals in the growth and developmental phase each individual horse goes through in their younger years of life, we have formulated GrowthFix to ensure each horse is getting the optimal amount of nutrients to optimise their development.*

*deal for the growing horse, especially suited to larger breeds*

- Extra Vitamin D added to aid in the absorption of calcium and phosphorus
- Assists in maintaining healthy vision, skin condition, reproductive performance and growth processes

#### DOSAGE RATES

- 300kg pony: 5g (1 small level scoop)
- 500kg horse: 8g (1 small rounded scoop)
- 600+kg horse: 10g (1 large level scoop)

For treatment of specific problems,

- feed 20g (2 large level scoops) per day

Mix well into slightly damp feed.



#### MINERAL TISSUE SALTS

Biochemical tissue salts, or cell salts, are mineral salts that exist in the cells and play a critical role in cellular metabolism.

#### TRICALCIUM PHOSPHATE

Essential mineral for skeletal growth.

#### MAGNESIUM PHOSPHATE

Is included to assist in re-establishing mineral homeostasis.

#### FEROUS PHOSPHATE

Specifically targets red blood cells and improving the oxygen transportation through the blood.

#### VITAMIN A

Vital for mammalian growth and development. It is essential for eye health and function as well as cell differentiation and bone remodelling.

#### VITAMIN D

Without sufficient quantities of vitamin D, calcium is poorly absorbed and utilized in the body. This is due to its direct relationship with parathyroid hormone and calcitonin; the hormones responsible in maintaining calcium homeostasis, making it essential for musculoskeletal development.

#### VITAMIN C

Unlike humans, horses can make their own vitamin C through the enzymatic conversion of glucose to vitamin C.

#### VITAMIN E

Essential for foetal development specifically neuromuscular development making it essential in protecting against muscular atrophy in foals & equine motor neuron disease in older horses.

#### PHENYLALANINE

Is a major component of neuronal development.

\*\*\* Includes Hi Form's Equisoy



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| MINERAL TISSUE SALTS   |            |       |
|------------------------|------------|-------|
| Tricalcium Phosphate   | 290000     | mg/kg |
| Trimagnesium Phosphate | 64000      | mg/kg |
| Iron Phosphate         | 10000      | mg/kg |
| MAJOR MINERALS         |            |       |
| Calcium                | 108.6001   | g/kg  |
| Phosphorus             | 70.0134    | g/kg  |
| Sodium                 | 0.20845    | g/kg  |
| Potassium              | 6.6325     | g/kg  |
| Magnesium              | 13.1456    | g/kg  |
| TRACE MINERALS         |            |       |
| Iron                   | 4859.562   | mg/kg |
| VITAMINS               |            |       |
| Vitamin A              | 1783920    | IU/kg |
| Vitamin C              | 99800      | mg/kg |
| Vitamin D              | 818248     | IU/kg |
| Vitamin E              | 38887.9537 | IU/kg |

| AMINO ACIDS              |           |       |
|--------------------------|-----------|-------|
| Lysine                   | 10.10035  | g/kg  |
| Methionine               | 2.33085   | g /kg |
| Leucine                  | 11.80964  | g /kg |
| Isoleucine               | 7.45872   | g /kg |
| Cystine                  | 2.48624   | g /kg |
| Phenylalanine            | 111.45628 | g /kg |
| Tyrosine                 | 6.06021   | g /kg |
| Threonine                | 6.37099   | g /kg |
| Tryptophan               | 1.86468   | g /kg |
| Valine                   | 3.26319   | g /kg |
| Arginine                 | 11.96503  | g /kg |
| Histidine                | 0.77695   | g /kg |
| FATTY ACIDS              |           |       |
| Linolenic Acid (Omega 3) | 3.032     | %     |
| Linoleic Acid (Omega 6)  | 21.2619   | %     |
| Oleic Acid (Omega 9)     | 7.6937    | %     |

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## References

### Vitamin A:

Donoghue, S., Kronfeld, D. S., Berkowitz, S. J., & Copp, R. L. (1981). Vitamin A nutrition of the equine: growth, serum biochemistry and hematology. *The Journal of nutrition*, 111(2), 365-374.

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### Vitamin C

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