



Horse



Unique line of Horse Vitamin/Mineral Products and Specialized Feed Additives

Horses are used for recreational purposes, sport (e.g., racing, polo, and Olympic events), exhibition, breeding, ranch and farm work, and even therapy. Type of use, age, and physiological state affect the nutrient requirements of horses. Effective feeding management practices must consider many factors, including nutrient requirements, environmental conditions, and available feeds. Vitamins and Minerals play an important role in the nutrition of horses. While constituting only a minor part of the equine diet, these nutrients play a critical role in the health of horses. Minerals are involved in a number of functions in the body. The horse obtains most of the necessary minerals from forages and concentrates, but the mineral content of feeds may vary a lot with the type of soil, plant specie, etc. Vitamins are essential to normal metabolism and their lack in the diet causes deficiency diseases.

With this in mind, ISF developed a new line of vitamin, mineral premixes and supplements for horses. In addition, the ISF line of special feed additives can be combined with the ISF horse products whenever a special need arises, providing the ISF customer with a complete line of feeding options.

All products in this line, when fed at the recommended feeding rate, will supplement the base diet with the required quantities of the major minerals – Calcium, Phosphorus, Magnesium and Sodium and will provide all the trace minerals and vitamins needed for horse production. Herbs and Spices flavouring have been included in all ISF products with the name Herbageum to help improve palatability and intake.

Product	Description
Horse Specific	A good base supplement that provides the required vitamins and minerals to keep horses in good health. It also has the right amount of salt to be fed free choice. It's modest feeding rate and its balanced composition makes it ideal for all year round fortification of low activity horses.
Dan Patch Horse Supreme	Having the same base of Horse Specific, Dan Patch Supreme is packed with special additives and B-vitamins for horses undergoing more intensive activities or subjected to stress situations. This mineral has no salt. Salt must be made available to provide 25 to 50 grams per day per horse.

These minerals can be combined with the ISF Specialty Products line to address specific situations. Here are some examples of the commonly used combinations.

Product Combination	Description
Horse Specific + Yeastpro	Yeastpro is an excellent additive to the diet. Yeast improves fibre digestion and is a potential source of vitamins and/or growth factors. Yeastpro also supplies organic zinc that helps in the maintenance of healthy hooves and hair, and it also provides extra vitamins.
Horse Specific + Vitapac	Vitapac is an ideal supplement whenever we need to reinforce the diet with extra trace minerals, B- Vitamins and Vitamin A, D, E.
Horse Specific or Dan Patch Supreme + Biotin	Daily supplementation with biotin improves hoof wall integrity. Biotin is a B vitamin that stimulates keratin production in the hoof laminae and coronary band, strengthening and improving the periople, hoof wall, sole, frog and white line.
Horse Specific or Dan Patch Supreme + Thiamine	Thiamine is involved in carbohydrate metabolism and therefore energy metabolism. Levels of thiamine in normal diets may not be adequate for exercising horses. Thiamine is also important to keep a normal appetite.

A COMPLETE LINE OF PRODUCTS FOR HORSE PRODUCTION

For proper digestive tract function, horses should be fed a minimum of 1% of their body weight per day in long-stem hay dry matter. Thus, using long-stem, good quality hay is very important in any horse feeding situation.

The variety of hay you choose should always come second to the quality of the hay. Hay has to be free of dust, mold, and foreign objects. Mold dust acts as an allergen and can cause inflammation of the respiratory tract in horses. It also can be a source of mycotoxins, which are poisonous compounds produced by molds. Moldy, dusty hay simply should not be fed to horses.

Foot care is one of the most neglected horse management practices. Most lameness that impairs the usefulness of a horse can be prevented by proper foot care and reasonable management. Foot care should be as routine as feeding and watering. It should include (OMAFRA Fact Sheet, 1997):

1. Routine cleaning
2. Periodic trimming
3. Corrections of minor imperfections
4. Treatment of foot diseases and injuries

Horses are herd animals. Because of this they have a social hierarchy in the herd (also called the pecking order). The pecking order must be taken into account when a horse is turned out into a paddock with resident horses. If possible, gradually introduce the horse to the group and watch it carefully to ensure that it is not injured by the other horses.

A source of clean, unfrozen water is especially important in the winter because horses tend to drink less when the weather turns cold. Less water coupled with a high fibre diet (hay, straw) may quickly lead to impaction of the intestines and colic. Although horses eat snow, they are not as efficient as cattle at obtaining the water they need from snow alone. Do not rely on snow to provide your horse with the water it needs.

Horses require shelter to protect them from wind, rain, and the sun. A natural grove of trees provides good shade, but for shelter from the elements, a three-sided enclosure works the best. Make sure your shelter is large enough to enable all your horses to fit inside together, and build it so the back wall faces the prevailing wind.

If your horse is stabled most or all of the day, it will require grooming daily to keep its coat healthy. However, don't over groom a horse that spends most or all of its time in the pasture. The natural oils in its coat help to keep your horse warm and dry.

The horse, unlike ruminants (cattle, goats, sheep, etc.), has a relatively small capacity for feed in its digestive tract. Horses can consume about 2.5 % of their body weight per day. As an animal that evolved as a nibbler and grazer, it is best to feed horses smaller quantities of feed, especially concentrate, at least twice per day at about 12-hour intervals. That means a 450 kg horse will eat about 11 kg of feed per day of which at least half should be forage (pasture, hay, or hay cubes).

Horses are susceptible to a variety of diseases, as well as both internal and external parasites. To keep your horse healthy, it is important to vaccinate against diseases, deworm regularly, and properly care for teeth and feet.

Quality forages – remember that forages are the most important feeds for horses. Hay is probably the most important feed in any horse diet. It should be nutritious, palatable and without molds. ISF recommends Silo Guard II™ to help preserve hay. Silo Guard II™ is an additive that may help to improve hay quality and palatability. Ask your ISF agent how and where to use it for best results.

Dan Patch Supreme

Herbageum Vitamin/Mineral Premix for Horses



TO ORDER

800 2 3229 25 kg Bag
 800 2 3224 10 kg Pail
 800 2 3219 5 kg Pail

ISF Dan Patch Supreme supplement, while containing the same vitamin/mineral base as ISF Horse Specific, excluding salt, is packed with special additives, probiotics, herbs and spices flavouring as well as B-vitamins. ISF Dan Patch Supreme was designed for horses undergoing more intensive activities or subjected to stressful situations. Dan Patch was the famous Standardbred race horse that was owned by the founder of ISF. Dan Patch set the one mile pacing record of 1:55 minutes in 1906 which he held for 32 years. That special Dan Patch supplemental formula lives on in today's modernized Dan Patch Supreme formulation.

Typical Use:

ISF Dan Patch Supreme is now fed to all classes of horses when optimum nutritional supplementation is desired. Originally developed for high intensity racing horses like Dan Patch, this highly fortified product is now routinely fed to Heavy Horses, Standardbreds, Thoroughbreds and active pleasure horses across Canada. Horses just love the taste and aroma of this simple to use, highly effective and nutritionally sound specialty product.

Feeding Rate:

Topdress or mix 25 kg of ISF Dan Patch Supreme with 12.5 kg salt and grain and protein sources to make 1000 kg of supplemental ration. Feed this ration to provide specified amounts according to the following table. Provide adequate forage with clean fresh water at all times.

Species	Dan Patch Supreme (grams/head/day)	Grain Mix (kg/head/day)
Stallions	50-100	2-4
Brood Mares	50-100	2-4
Working Horses	50	2
Foals	25	1
Colts	25-50	1-2

Horse Specific

Herbageum Vitamin/Mineral Supplement for Horses



TO ORDER

800 2 3205 25 kg Bag

ISF Horse Specific is a good base vitamin/mineral supplement that provides the required major minerals, including salt, trace minerals and Vitamin A, D and E to help keep horses in good health. Herbs and spices flavouring are added to help enhance palatability. This product has been formulated to allow horses to meet targeted consumption rates when fed free choice under normal conditions. Do not provide additional salt when free choice feeding this product unless consumption rates exceed targeted rates. ISF Horse Specific's modest feeding rate and its balanced composition make it ideal for all year round fortification of low activity horses.

Typical Use:

ISF Horse Specific can be top-dressed, mixed into the feed or fed free choice to low activity horses receiving hay or pasture with or without small amounts of grain.

Feeding Rate:

Feed 75 grams per head per day or mix 37.5 kg of ISF Horse Specific supplement with grain and protein sources to make 1000 kg of horse supplemental ration. Feed this ration at a rate of 2.0 kg per head per day. Provide adequate forage with clean, fresh water at all times.

Specialty Products

Yeastpro

Herbageum Supplement for Horses

ISF Yeastpro is a highly specialized supplement containing optimum levels of Yeast culture, Organic Zinc, Niacin, and Vitamin E. Other trace minerals, fat soluble vitamins, B-vitamins, sugars and herbs and spices flavouring round out this excellent product for all horses.

Typical Use:

Use to supplement properly balanced horse diets to provide additional yeast to help improve fibre digestion and Organic Zinc to help in the maintenance of healthy hoofs and hair. Other nutrients are also included to help horses maintain health under stressful situations.

Feeding Rate:

Topdress or mix ISF Yeastpro supplement with the horse's regular ration to provide specified amounts according to the following table. Provide adequate forage with clean, fresh water at all times.

Species	Grams/Head/Day
Horses	50-200

TO ORDER
 800 2 4105 20 kg Bag
 800 2 4110 10 kg Pail



Vitapac

Vitamin/Mineral Supplement for Horses

ISF Vitapac contains additional trace minerals, electrolytes, fat soluble Vitamins A, D, E and a full range of water soluble B-Vitamins giving horse owners the option to boost their rations nutritionally. Not all commercial horse rations always contain the full range of nutritional elements provided by Vitapac especially B-Vitamins.

Typical Use:

Use to boost the fortification level of complete rations, protein supplements or mineral mixes designed for low activity horses that may not contain optimum levels of nutrients or added B-Vitamins. ISF Vitapac would be an excellent product to feed along with ISF Horse Specific if the activity level of the horse is increased.

Feeding Rate:

Topdress or mix ISF Vitapac supplement with the horses regular ration to provide the specified amounts according to the following table. Provide clean, fresh water at all times.

Species	Grams/Head/Day
Horses - Heavy	50
Horses - Light	25

TO ORDER
 800 2 4079 20 kg Bag
 800 2 4078 10 kg Pail
 800 2 4077 5 kg Pail



Vitamin E & Selenium

Herbageum Supplement for Horses

ISF Vitamin E & Selenium supplement allows horse owners to target the addition of these nutritional elements without adding other nutrients that may not be necessary. The Selenium provided is in an organic form considered by many Nutritionists and Veterinarians to be more available to livestock especially during stressful times. When adding additional Selenium most livestock professionals would agree that it is wise to add extra Vitamin E with it as the two elements seem to compliment each other in their response.

Typical Use:

To optimize Vitamin E and Selenium levels in rations during times of stress or when local conditions produce Selenium deficient feedstuffs. It is important not to exceed the recommended amount provided on the label as Selenium can be toxic to livestock at high levels. Caution should be exercised when weighing out the proper amount of product to be fed.

Feeding Rate:

Topdress or mix ISF Vitamin E & Selenium supplement with the horses regular ration to provide the specified amounts according to the following table. Provide clean, fresh water at all times.

Species	Grams/Head/Day
Horses -Heavy	75
Horses - Light	50

TO ORDER
 800 2 4165 10 kg Pail
 800 2 4162 5 kg Pail
 800 2 4160 2.5 kg Pail





Vitamin A, D, E Pak

Herbageum Vitamin Supplement for Livestock

ISF Vitamin A, D, E Pak allows horse owners the ability to increase and optimize the level of vitamins A, D and E fed without having to add additional ingredients that may not be needed. Herbs and spices flavouring have been added to help enhance palatability.

Typical Use:

To optimize the levels of Vitamin A, D, E when current rations provide less than optimum levels. May also be used at times when horses are under stressful conditions.

Feeding Rate:

Topdress or mix ISF Vitamin A, D, E Pak with the horses regular ration to provide specified amounts according to the following table. Provide clean, fresh water at all times.

Species	Grams/Head/Day
Horses - Heavy	10
Horses - Light	5

TO ORDER

- 800 2 4155 20 kg Bag
- 800 2 4152 10 kg Pail
- 800 2 4150 5 kg Pail



Biotin (Vitamin H)

Herbageum Supplement for Horses

ISF Biotin (Vitamin H) supplement gives the option to horse owners to increase just the Biotin levels of their rations. Herbs and spices flavouring have been added to help enhance palatability.

Typical Use:

Nutritionists and Veterinarians often suggest adding Biotin to rations to help improve foot health and in some circumstances to help horses improve reproduction. Biotin is one of the newest vitamins to be added to livestock feeds and much research is ongoing as to its effects. Some commercial feeds may not contain added Biotin which is another reason a Nutritionist or Veterinarian may suggest adding Biotin to a ration.

Feeding Rate:

Topdress or mix ISF Biotin (Vitamin H) supplement with a balanced complete feed to provide the specified amounts according to the following table. Provide clean, fresh water at all times.

Species	Grams/Head/Day
Horses - Heavy	100
Horses - Light	50

TO ORDER

- 800 2 4175 10 kg Pail
- 800 2 4172 5 kg Pail
- 800 2 4170 2.5 kg Pail



Thiamine (Vitamin B1)

Herbageum Supplement for Horses

ISF Thiamine (Vitamin B1) supplement gives the option to horse owners to increase the Thiamine levels of their rations. Herbs and spices flavouring have been added to help enhance palatability.

Typical Use:

ISF Thiamine (Vitamin B1) is used to supplement diets for exercising horses or horses being transported when thiamine in normal diets may not be adequate to help horses handle this additional stress. Thiamine supplementation is also important in helping horses maintain a normal appetite.

Feeding Rate:

Topdress or mix ISF Thiamine (Vitamin B1) supplement with the horses regular ration to provide the specified amounts according to the following table. Provide clean, fresh water at all times.

Species	Grams/Head/Day
Horses - Heavy	5
Horses - Light	3

TO ORDER

- 800 2 4185 10 kg Pail
- 800 2 4182 5 kg Pail
- 800 2 4180 2.5 kg Pail

Herbageum Condiment

Herbageum Flavouring Agent for Livestock Feeds

ISF Herbageum Condiment is a flavouring agent containing herbs and spices that has been available to Canadian livestock producers from ISF for over 100 years.

Typical Use:

ISF Herbageum Condiment is added to mineral, grain and protein mixes as well as total mixed rations for all classes of livestock, especially livestock experiencing low feed intakes.

Feeding Rate:

Topdress or mix ISF Herbageum Condiment with grain and protein sources at a rate of up to 3 kg per tonne of complete livestock feed. Provide clean, fresh water at all times.



TO ORDER

800 2 4024 20 kg Bag

800 2 4022 10 kg Pail

Distributed by



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