



Product Guide

November 2025



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The Science of **Animal Nutrition**



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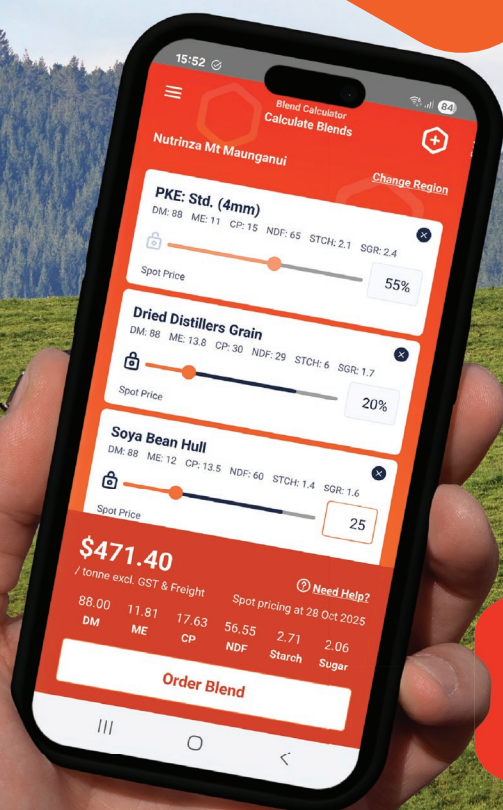
HSR Hybrid Range

Characteristics

Headlands

Download our blend calculator app

Create and order customised
blends to meet your herd's
unique nutritional
needs.



Keep your app
updated to ensure
the information
you are accessing
is accurate



Our philosophy is

If you are
going to do
the job, do it
right.

The right nutrition is essential for protecting and maintaining your animals' health.

Nutrinsa was created in 2003 to provide a specialist service of customised feed solutions for New

Zealand farmers nationwide. With our bulk buying power, we can monitor the quality and the distribution of feed, and provide economic and efficient service along with quality technical assistance.

Nutrinsa recognises and appreciates the challenges of the farming industry, and we are aware that the regular, reliable and efficient supply of cost-effective feeds is of great importance to all our customers. Our aim is to source, supply and deliver the best product at the best price to our customers.

Nutrinsa is part of the Intelact Group of Companies, driving sustainable food production.

Blends

Nutrinsa has the ability to custom-blend feed to your requirements. Our stores are FeedSafe Accredited which ensure accurate and homogenous mixing of your feed and minerals. We have blending stores in both the North and South Islands - Mount Maunganui, Marsden Point, Stratford, Invercargill, Rolleston and Timaru.

Compound feed supply

For those that prefer an individual feed concentrate or pellet, we source cost-effective, top-quality products to provide maximum returns.

Bulk supply

All products are available as individual feed components or can be blended to your requirements in one of our blending locations.



All of Nutrinsa's blending stores are FeedSafe accredited.

Find out more about New Zealand Feed Manufacturers Association FeedSafe accreditation at www.nzfmz.org.nz

Product specification quick reference chart

Product	DM %	ME	CP %	NDF %	Starch %	C FAT %
Canola Meal	88	11.7	38	26	1.5	3.5 - 5
Dried Distillers Grain (DDGS)	88	13	30	29	6	7
Hi-Fibre Feed	88	10.2	19	73	2.6	1.9
Hi-Starch Pellet	88	12	12	25	45	3
Maize (Kibbled / Whole)	88	13.5	9	13	73	4
Megalac	95	33.3	0	0	0	84
Palm Kernel Expeller	88	11.6	14 - 16	65	2.1	7 - 9
PKE10	87	11.7	14.5	58	1.9	7.2
Soya Bean Hull	88	11.5	13.5	60	1.4	3
Soya Bean Meal	88	13.5	48	13	1.7	2
Sunflower Pellet (whole / crushed)	88	10.7	34	38	1	2
Tapioca (whole/crushed)	88	12.5	3	12	50 - 55	1

Disclaimer

Product information provided is given on the basis of Nutrinza knowledge at the time of publication – November 2025.

Nutritional information is based on accredited feed nutrition sources and sample test results. Specifications on an individual feed test will show some variation.

All animal feed products should be fed as part of a healthy balanced diet matched to the specific requirements of the herd. Nutrinza makes no representations or warranties of any kind, express or implied, as to the suitability of any of the products supplied to the specific requirements of your animals.

Please note that recommended feeding rates are given as a guideline only and will vary based on the total diet and actual feed intake of your animals. It is recommended that you consult your vet, nutritionist, feed expert or farm consultant before making any dietary changes.



Hi-Fibre Feed

Hi-Fibre Feed is a low FEI feed produced from the chemical extraction of oil from palm fruit. It differs from mechanically extracted PKE with a lower oil, but higher protein content.

Nutritional benefits

Hi-Fibre Feed is ideally suited for periods when pastures are limited and production levels need to be maintained and supported with higher levels of supplementary feed. With its low impact on FEI, feed rates can be three or four times that of PKE.

Hi-Fibre Feed is an excellent source of highly digestible fibre and provides higher levels of protein, which is normally performance-limiting during drought periods.

Hi-Fibre Feed is GM free.

Feeding recommendations

Hi-Fibre Feed can be fed in the paddock, feed pad, or as a component of in-shed blends. Ruminants will readily switch from PKE to Hi-Fibre Feed.

In an on-farm trial, Hi-Fibre Feed was fed up to 8kg/cow/day without exceeding FEI levels. The cost advantage vs other feed supplements makes it a vital component to manage feed supply risk during droughts. Its higher protein content allows for the partial reduction of other higher-priced protein sources.

Note: Consult your milk supply company for FEI guidelines.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	10.2	19%	73%	2.6%



Palm Kernel Expeller

Palm Kernel Expeller (PKE) is produced from the mechanical extraction of oil from palm fruit.

Nutritional benefits

PKE is a good source of oil and rumen fermentable fibre, which usually improves butter fat test.

Although high in Neutral Detergent Fibre (NDF), PKE does not cause significant pasture substitution, owing to the high level of rumen bypass NDF in PKE. PKE contains nearly no starch and can be safely fed with ad libitum access in the paddock.

PKE is GM-free.

Feeding recommendations

The quickest and easiest way to introduce PKE to your stock is by making the PKE accessible in the paddock in a trough or trailer where your stock can eat the product in their own time. This usually results in dairy cattle consuming 1-2kg/c/d within four days. If feeding in the bail through a silo, it is best to have the PKE mixed with other feeds.

Then increase the inclusion rate slowly, being guided by their ability to consume the feed.

Note: Consult your milk supply company for FEI guidelines.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	11.6	14-16%	65%	2.1%



PKE10

PKE10 is a blend of 90% Palm Kernel and 10% Molasses.

Nutritional benefits

The addition of Molasses to Palm Kernel makes it more palatable, improving consumption and ease of introduction to animals. The increased soluble sugars will assist rumen function and feed conversion.

Supplementing cows with PKE10 will not cause significant pasture substitution which will increase total feed intake. This product is not dusty but still flows with ease, making it ideally suited for in-shed feeding systems.

PKE10 is GM free.

Feeding recommendations

PKE10 can be fed in the paddock, feed pad, or as a component of in-shed blends. If fed in the shed, it is best to mix PKE10 with other feeds. PKE10 is a safe feed option, but if fed at high inclusion rates (more than 4kg DM per day), cows should be appropriately adapted to the feed.

PKE makes up 90% of PKE10 and is a by-product of palm oil production, therefore the nutritional values can vary slightly during the season.

Ask your local technical sales representative or support team for available options in your area.

Note: Consult your milk supply company for FEI guidelines.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
87%	11.7	14.5%	58%	1.9%



Soya Bean Hull

Soya beans are primarily processed for their oil, which leads to the generation of two primary by-products – Soya Bean Meal and Soya Bean Hulls.

Soya Bean Hulls are the outer coating of the soya bean and this hull is removed when soya beans are processed into Soya Bean Meal. Soya Bean Hulls are quite small in size and are not very dense, so they are pelleted to increase ease of handling and bulk density. With respect to nutritional value, the loose and pelleted hulls are equal.

Nutritional benefits

Soya Bean Hulls are a highly digestible fibre source. They can replace both the fibre and some of the grain portion of the diet due to their energy level and digestibility. In diets where forage is being consumed Soya Bean Hulls can have a positive impact on forage intake and digestibility.

Feeding recommendations

Soya Bean Hulls can be fed from 0.5-5kg per cow per day. Soyabean hulls have a high nutritional value for ruminants and are a highly digestible fibre source. Supplementing diets with soyabean hulls increases rumen microflora flow and rumen fibre digestion.

However, soyabean hulls do not provide the same effective fibre (large particle size) as roughages.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	11.5	13.5%	60%	1.4%



Canola Meal

Canola Meal is a by-product of canola seed oil production.

Nutritional benefits

Canola contains 30-35% rumen undegradable (bypass) protein and the other 65-70% is degraded in the rumen. This is quite similar to the protein fraction in Soya Bean Meal. Therefore, Canola works well in diets that are low in rumen-degradable protein, e.g. when over 40% of the diet is low-protein feeds such as maize silage, whole crop silage, stalky grass silage or grain.

A GM free option is available.

Feeding recommendations

The benefits of Canola Meal are best captured in a balanced feed ration and normally feeding rates for dairy cows are 0.5-2kg DM per day. In grain mixes inclusion rates range from 10-30%. Canola Meal is best fed as part of a customised feed blend in the shed. Feed as required when protein is limiting production

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	11.7	38%	26%	1.5%



Dried Distillers Grains

Corn Distillers Grains with Solubles is the main by-product of the distillation of alcohol and industrial ethanol from maize grain. Corn DDGS is golden in colour.

Nutritional benefits

Corn DDGS is rich in protein and moderately rich in fat. One benefit of Corn DDGS over cereal grains is that, as their energy is primarily provided as readily digestible fibre and fat, they have a propensity to alleviate incidence and severity of acidosis, and fatty liver caused by rumen starch fermentation.

Feeding recommendations

As a rule, a maximum of 30% (diet DM) DDGS should be included in the ration. DDGS is ideal for increasing the palatability of feed blends, especially when minerals are included. Increase inclusion rate when protein is limiting production.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	13	30%	29%	6%



Sunflower Pellet

Sunflower Pellet is the by-product of the extraction of oil from sunflower seeds. It is pelleted to increase the density and improve flow in silos. Sunflower pellets are available whole or crushed.

Nutritional benefits

Sunflower Pellet is high in protein and fibre with moderate energy levels. It has a higher % of rumen-degradable protein, making it an ideal supplement when pasture protein is limited. It is considered a safe feed for all ruminants and can be fed in troughs or via in-shed systems. Sunflower Pellet is a rich source of B-complex vitamins.

Sunflower Pellet is GM free.

Feeding recommendations

Feed as required when protein is limiting production.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	10.7	34%	38%	1%



Tapioca

Tapioca comes from the Casava plant tuber/root and is grown in the Tropics.

Nutritional benefits

Tapioca is a high-quality energy supplement, but it is low in protein. It is GM free.

Feeding recommendations

The risk of acidosis is high due to the high starch content and the finely ground nature of the feed before it is pelletised. If cows are allowed ad libitum access, there is a significant risk of rumen acidosis and death. Therefore, feeding ad libitum in bins is risky and should only be fed as a blend with PKE/Soya Bean Hulls at no more than 25% tapioca: 75% PKE or Soya Bean Hull.

If fed in the shed where intake is controlled, you can feed up to 2.5kg/c/day in the spring and 2.0kg/c/day in mid to late lactation as long as the normal protocol of gradual introduction is followed (begin with 0.5kg/day of Tapioca and increase by 0.5kg/day to the desired amount).

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	12.5	3%	12%	50-55%



Kibbled Maize

Maize grain is one of the best sources of energy and carbohydrate for the lactating cow and also ideal for weight gain.

Nutritional benefits

Highly digestible and slow release in the rumen, maize grain is a great choice for maximising peak in the spring.

Kibbled Maize is GM-free.

Feeding recommendations

Feeding maize requires a transition for the cow because of the high starch content, so gradually increase intake over time. Feed maize as required between 2kg and 4kg per cow per day to maximise output.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	13.5	9%	13%	73%



High Starch Pellet

Nutrinsa's High Starch Pellet is a grain pellet and an excellent source of energy.

Nutritional benefits

Providing adequate amounts of starch promotes rumen bacterial growth that will enhance forage digestibility, rumen contractions and subsequent feed intakes. It is an ideal choice to increase and maintain peak production during spring. It is pelleted, reducing wastage and improve flow in silos.

Feeding recommendations

Due to the high starch content, a gradual introduction is required. Once animals have adapted to a higher starch diet, the High Starch Pellet can be fed at between 2kg to 4kg per cow per day to maximise production. Due to its low protein content, it must be complemented appropriately with a protein source from pasture/other protein feed options, as well as fibre.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF	Starch
88%	12	12%	25%	45%



Megalac™

A highly-proven, rumen protected bypass fat, Meglac™ is a source of energy to support body condition, fertility and production.



Nutritional benefits

High energy density

- ME = 33.3 MJ/kg DM
- 96% digestibility

Minimises body condition loss

- Helps fill the energy gap of early lactation to minimise condition lost
- Increases energy of diet without increasing acid load in the rumen
- Bypass means it avoids disruption to fibre-digesting bacteria in the rumen

Supports fertility

- Targeted energy improves fertility and in-calf outcomes
- Increases follicle size to improve chances of pregnancy
- Supports progesterone production to maintain early pregnancy

Increases milk production

- 18 studies show an average increase of +2.3 litres/cow/day when fed 500g Megalac per day
- Improved feed efficiency from more energy dense feed
- Over 13% less methane produced per kg milk = more efficient production

Feeding recommendations

Feed between 0.2 to 0.5 kg/c/d.

Product available in blends. Also available direct to farm in 25 kg bags (1 tonne minimum delivery) or 800 kg bulk bags (1.6 tonne minimum delivery).

Plant-based Feed Grade Oil

Nutrinsa's plant-based oil is the ideal product to include in feed blends to address dust-related issues at minimal inclusion rates. Our plant-based oil consists mainly of Canola oil with other plant-based oils (no palm oil) added at low inclusion rates.

Benefits

- Oil suppresses dust at very low inclusion rates. Just 1% inclusion is all that's required to suppress dust in most instances. Less dust has the following tangible benefits:
 - » Improved animal health by reducing dust inhalation.
 - » Less wastage as it reduces the feed blown out of in-shed feed troughs.
 - » Largely eliminates eye irritation in the dairy shed for staff.
- No build-up of feed-on-feed auger systems. This reduces time-consuming unblocking and cleaning of in-shed feed systems and silos.
- Less wear on feed system motors and augers due to the lubricating effect of oil.
- Oil is one of the highest energy feed sources available. It has a ME of 37MJ/kg DM. Added at 1% of the feed lifts ME by an average of 0.25 MJ/kg DM.

Blend inclusion recommendations

Dust suppression in blends is achieved at an inclusion rate of only 1%. Slightly higher inclusion rates can be considered for blends containing very dusty products or blends containing higher than normal mineral inclusion.

- Adding oil to blends reduce the possibility of feed separation, especially finer minerals, during transport and silo storage.
- Due to the special application method used in the Nutrinza blending process, the oil is thoroughly mixed in the feed. The feed stays dry.
- Due to the lower sugar and higher dry matter % the shelf life of blends containing oil is longer than blends containing molasses.

Typical nutritional analysis

DM	ME (MJME/kg DM)	Crude Protein	NDF
100%	37	100%	0%

Trace mineral premixes

These trace mineral premixes have been developed to use on-farm, in addition to blends or liquid trace mineral supplementation.

Ultramin Sel-Gold™

(Green Lid)

Description

Nutrinsa Ultramin Sel-Gold is a soluble mixture designed to be administered to lactating dairy cows through the drinking water (troughs and in-line), via power drenching systems or mixed with feed.

If this product is applied to feed (rather than dissolved and administered as a drench or in the water via a mixed with 45g of a carrier to 5g of Ultramin Sel-Gold (ratio of 9:1) so that the combined application rate is 50g/cow/day.

The dose rate may be adjusted by a qualified nutritionist or vet, depending on an assessment of the herd's current mineral status and the level of production being targeted.

This is a soluble product suitable for water dispensers, drenching or applying via the feed.



Provides the following per dose (5g dose per cow per day):

	Copper	Cobalt	Iodine	Selenium	Zinc
Ultramin Sel-Gold™	250mg	4mg	10mg	4.5mg	800mg

Trace mineral premixes

These trace mineral blends have been developed for on-farm addition to feed blends or liquid trace mineral supplementation.

Ultramin Sel-Gold No Copper™

(Red Lid)

Description

Nutrinsa Ultramin Sel-Gold is a soluble mixture designed to be administered to lactating dairy cows through the drinking water (troughs and in-line), via power drenching systems or mixed with feed.

If this product is applied to feed (rather than dissolved and administered as a drench or in the water via a 'dosatron' of some form) then it should first be carefully mixed with 45g of a carrier to 5g of Ultramin Sel-Gold (ratio of 9:1) so that the combined application rate is 50g/cow/day.

The dose rate may be adjusted by a qualified nutritionist or vet, depending on an assessment of the herd's current mineral status and the level of production being targeted.

This is a soluble product suitable for water dispensers, drenching or applying via the feed.

This option is mainly used during the facial eczema season.



Provides the following per dose (5g dose per cow per day):

	Copper	Cobalt	Iodine	Selenium	Zinc
Ultramin Sel-Gold No Copper™	-	4mg	10mg	4.5mg	800mg

Nutrinza mineral options

Nutrinza offers a cost-effective range of minerals for inclusion in feed blends. This range provides adequate quantities of the 3 main macro minerals (calcium, magnesium and salt) for lactating cows. We also offer the macro minerals with Bovatec, trace minerals and Zinc (during FE season).

Nutritional benefits

Daily supplementation of macro minerals is crucial to replace minerals used in milk production – putting back what we take out. It is also critical for optimum rumen functioning and cow health. Bovatec has proven benefits in terms of increased production, bloat control, reduction in ketosis and control of Coccidiosis. Trace minerals and vitamins are required for higher production cows.

Nutrinza Mineral range

Max Mineral Standard

- At 200g/c/d this provides the cow with
 - » 57g Elemental Calcium
 - » 15g of Elemental Magnesium
 - » 9g of Elemental Sodium

Max Mineral Standard plus Bovatec or Monensin

- This option provides the standard macro minerals plus 1.5g of Bovatec or Monensin for increased production and bloat control.

Max Mineral Standard with Cowmin5

- Offers standard macro minerals plus 5 trace minerals (copper, cobalt, selenium, iodine, zinc)

Max Mineral Standard with Cowmin5 plus Bovatec

- Offers standard macro minerals plus 5 trace minerals (copper, cobalt, selenium, iodine, zinc) as well as 1.5g of Bovatec 20CC

Max Mineral Standard with Zinc

- Provides 9.6g of Elemental Zinc (12g of Zinc Oxide). For facial eczema season.

Feeding rate

200g/c/d in feed blends.

Phibro Monensin * is a registered product under the ACVM Act 1997, A9493 Bovatec * 20cc, a registered product under the ACVM Act 1997, A9679

Sollus Tranzsol™ Minerals



Additives for transitioning cows

A transition cow vitamin and mineral supplement to aid in the prevention of milk fever, maintain immune response and benefit subsequent re-breeding.



TRANZSOL™ from Sollus is formulated to be the easiest and best transition supplement for New Zealand dairy cows. It incorporates antioxidants, magnesium and, most importantly, Rovimix Hy-D®.

Nutritional benefits

Using anionic salts (TRANZSOL™) in combination with the vitamin D metabolite, Rovimix HyD® is proven to have beneficial effects in hormonal and physiological adaptation of the cow to mobilise calcium, reducing the risks of milk fever. Providing the essential minerals and vitamins during this crucial period reduces the risks of metabolic disease, has a beneficial impact on subsequent re-breeding and is important in maintaining immune function.

TRANZSOL™ is formulated for diets containing approx. 50% pasture, however it can still be fed with all pasture diets¹.

Feeding recommendations

Start when cows begin to show signs of springing (typically 14 days before calving) and continue into the colostrum herd.

Feeding options

- TRANZSOL Mineral Blend as part of your Nutrinza feed blend. 380g/cow/day for 14 days pre-calving + colostrum herd
- Feed TRANZSOL Nucleus at 100g/c/d. Must be combined 100g/c/d of MgCl and 280g/c/d of lime flour/ag lime.
- TRANZSOL Complete at 480g/c/d (MgCl & Lime added)
- Ensure TRANZSOL is mixed evenly through feed

Nutritional information

Vitamin A, Vitamin E, Vitamin D3, Iodine, Zinc, Rovimix® Biotin, Rovimix Hy-D, Calcium, Cobalt, Copper, Selenium, Magnesium, MOS, Sulphate, Chloride, Avatec® / Bovatec®.

Avatec® / Bovatec® is a registered product under the ACVM Act 1997, A10829

¹ Feed a maximum per day of 6kg grass or grass silage

Sollus Lactisol™ Minerals



Additives for lactating cows

A vitamin and mineral supplement supporting the high demands of lactation, with long term benefits that supports the cow fundamentally.



Lactisol™ from Sollus provides the vitamins and minerals required to support the cow during lactation and her productive lifecycle, minimising metabolic disease and improving health and production.

Nutritional benefits

Lactisol is formulated to meet the nutritional requirements of cows when grazing pasture and consuming meals/silage. In combination with Tranzsol™ in the transition period, Lactisol provide the right elements for mineral absorption. Optimum absorption of Calcium and Phosphorus is required for strong healthy cows, putting back what we take out. Lactisol includes the following:

1. Provides the “next generation” source of Vitamin D, Rovimix Hy-D®, which ensures optimum up take of Vitamin D and utilisation within the animal.
2. Is a source of biotin which is essential for the synthesis of keratin in hooves and for energy uptake in the liver.
3. Is a source of Zinc which is a component of a wide variety of enzymes and proteins supporting metabolism, growth, production, and reproduction. Zinc is required for production of protective keratins in the hoof and teat. Contains multi stage release Zinc compounds for optimal uptake and utilisation.

4. Antioxidants to improve health and support the cow's immune system to fight infection.
5. Is a source of ruminally available Magnesium for a better, safer response.
6. Lactisol Range includes
 - » 400: Macro and Trace minerals plus Biotin
 - » 500: Macro and Trace minerals, Biotin, Vitamins, Hy-D and Monensin for cows with MS production at or close to body weight
 - » 600: Macro and Trace minerals, Biotin, additional Vitamins, Hy-D and Monensin for top production cows

Feeding options

- Lactisol 500 Mineral Blend as part of your Nutrinza feed blend. 200g/cow/day
- Feed Lactisol Nucleus at 25g/c/d. Must be combined with 135g/c/d of Lime and 40g/c/d of Salt
- Lactisol Complete at 200g/c/d

Nutritional information

Vitamin A, Vitamin D3, Vitamin E, Hy-D, Biotin, Cobalt, Iodine, Copper, Zinc, Magnesium, Selenium (8mg/200g), Calcium, Sodium Chloride, Rumenox®.

Rumenox® 400G is a registered product under the ACVM Act 1997, A11418

MineralBoost Granulated

MineralBoost

Product	Elemental profile (Each 200 gms contains)						
	Calcium	Magnesium	Sodium	Phosphorous	Zinc	Trace Minerals	Ionophore
MineralBoost Transition (Inc. Vitamin D @ 7,000 I.U.)	28gm	16gm	-	-	-	5gms (Nutriplex®5)	-
MineralBoost Classic*	46gms	10gms	12gms	-	-	-	-
MineralBoost Rumensin^ or Bovatec 20CC	48gms	10gms	10gms	-	-	-	300mg
MineralBoost Max^	48gms	10gms	10gms	-	-	5gms (NutriPlex®5)	300mg
MineralBoost Zinc†	48gms	8gms	10gms	-	9.6gms (12gms zinc oxide)	-	-
MineralBoost Plus	41gms	12gms	11gms	5gms	-	5gms (NutriPlex®5)	-

Provides the following per dose (5g dose per cow per day):

Product	Zinc	Copper	Cobalt	Iodine	Selenium
MineralBoost Max^	300mg	135mg	12.5mg	8.5mg	2.5mg
MineralBoost Plus	300mg	135mg	12.5mg	8.5mg	2.5mg
MineralBoost Transition	300mg	135mg	12.5mg	8.5mg	2.5mg

* The base of all formulations QA assured granulated minerals

^ Rumensin® Registered Trademark of Eli Lilly and company. Rumensin® Millmix is registered pursuant to the ACVM Act 1997. No A9107.

† MineralBoost Zinc® is registered pursuant to the ACVM Act 1997. No A10914. Mineral supplement for the prevention of facial eczema in cows. The 200gm dose rate is designed for a 450kg cow.

Bovatec 20CC is a Registered pursuant to the ACVM Act 1997, No A009679.

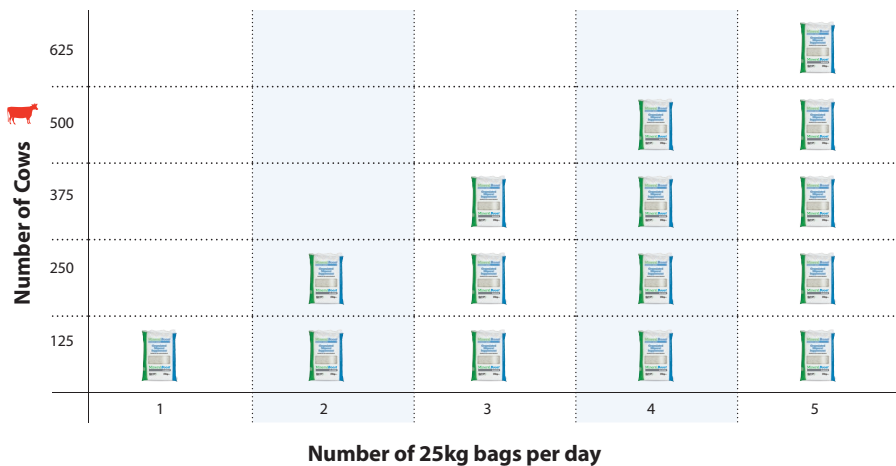


MineralBoost inclusion rates Percentage & kg / tonne (PKE, meal blends & silages)

Total ration feed rate per cow per day	MineralBoost Percentage in total feed ration	MineralBoost per Tonne in total feed ration
2kg	10%	100kg/tonne
2kg	7%	70kg/tonne
4kg	5%	50kg/tonne
5kg	4%	40kg/tonne
6kg	3.4%	34kg/tonne

Recommended dose rate (200gms / cow / day)

Based on 450 - 500kg live weight cow. Consult your nutrition advisor regarding altering dose rates.



25kg bag
= 125 doses



1 Tonne bag
= 5,000 doses





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Initially, we used it for its price. Now, we also use it for ease of use and its ability to mix easily in cold water – helpful for rearing over 700 calves per year.

Bruce and Julie Paton,
Paton Family Trust
Mata Dairy Farmers



Blossom calf milk replacer

Blossom Easymix

Blossom is a whey-based calf milk replacer made from Immunopro®; a unique process that concentrates the bioactive goodness of milk for the benefit of the calf.



Nutritional benefits

- ◊ Blossom Easymix is formulated to support 900g average daily gain*
- ◊ It contains high levels of limiting amino acids and nutrients to encourage skeletal growth
- ◊ Blossom Easymix is a tried and trusted product that provides excellent growth rates and value for money.
- ◊ It is easy to mix in warm or cold water.

Feeding recommendations

After colostrum is completed, feed Blossom Easymix all the way through to weaning. Ideal for robotic calf feeders, ad lib feedings, twice-a-day and once-a-day. Mix 150g Blossom with 850 ml water for 1 litre of milk replacer.

Easymix is designed to be fed at 750g per calf per day. But can be fed up to 900g to achieve growth rates of 750-900g per day.

Full feeding programme online at: [nutrinza.com](https://www.nutrinza.com)

*Based on feeding 900g Blossom Easymix as 6 litres of milk replacer a day

Typical nutritional analysis

ME (MJ/KG DM)	Protein	Fat	Sugar	Minerals	Vitamins and additives	Moisture	Leucine Amino Acid at 900g feed rate
19.6	23%	18%	47.5%	7.5%	0.5%	3.5%	19g

Mega Max Calf Starter

Mega Max Calf Starter is a unique calf feed concept available from Nutrinza. We have received great feedback from our clients on the palatability, uptake and growth rates achieved from Mega Max Calf Starter.



Nutritional benefits

A mixture of whole grains and a protein pellet provides a combination that has been designed to maximise early rumen development. The whole grains provide the starch for growth and development without causing acidosis in the young calf. It has been trialled in America on 250,000 calves and used widely in the industry. We have also trialled the product in New Zealand on more than 2500 calves and seen great results.

The calves love the whole grains and cud them like cows do grass, which provides the saliva to build the rumen in the infant calf. Mega Max Calf Starter contains Bovatec™ for control of coccidiosis, vitamins, trace elements and probiotics for good health.

Feeding recommendations

Mega Max Calf Starter is designed to be fed ad-lib from 4 days of age until weaning. There is no need for straw or hay to be fed as the fibre is provided by the grains in the feed. Available bagged (with molasses) or in bulk for silos (with molasses inside the pellet).

Bovatec® is a registered product under the ACVM Act 1997, A9679

Typical nutritional analysis

ME (MJME/kg DM)	Crude Protein	NDF
12	18%	25%

Mighty Max Calf Grower

Mighty Max Calf Grower pellets are designed to grow calves. It is a cost effective pellet designed to be fed from day 4 to weaning. It has proven to be a very palatable feed and therefore increases intake quickly.



Nutritional benefits

Mighty Max Calf Grower is formulated to grow calves, and we have worked with professionals around the world to build Mighty Max Grower. The energy and protein have been put together to maximise growth. Mighty Max Grower contains Bovatec™ for control of coccidiosis, vitamins, trace elements and a probiotic to promote good calf health.

Feeding recommendations

Feed from day 4 to weaning ad-lib to maximise intake and growth. Available bagged (with molasses) or in bulk for silos (molasses inside pellet).

Bovatec® is a registered product under the ACVM Act 1997, A9679

Typical nutritional analysis

ME (MJME/kg DM)	Crude Protein	NDF
12	18%	24%



Nutrinza cares about sustainability and encourages customers to recycle their calf feed bags through the AgRecovery programme. Order your woven PP bag liners at www.agrecovery.co.nz/order-your-agrecovery-liner/.

FortiMILK™ GOLD

A premium milk-soluble vitamin and organic trace mineral whole milk additive with high dose micro-encapsulated, multi-strain probiotic for milk-fed calves.



FortiMILK™ Gold contains Bovatec 20CC as an aid in the control of coccidiosis.

Nutritional benefits

Whole milk from the modern commercial dairy cow often fails to meet the basic vitamin and trace mineral requirements of young milk-fed calves (data on file). These can be met by supplementing whole milk with FortiMILK GOLD™ - specifically designed to supplement the daily requirements of fast growing pre-ruminant calves and maximise health and growth potential.

It also contains high-dose probiotics and Celmanax to establish and maintain beneficial micro-flora balance in the gut, supports good gut health and helps support the immune system. Bovatec is an aid in the control of coccidiosis caused by Eimeria species in cattle.

FortiMILK™ GOLD is the ideal calf milk additive for rearing healthy calves in concentrated calving operations.

Nutritional recommendations

For best results add FortiMILK™ GOLD to milk feed from 48 hours after birth and continue for the duration of milk feeding.

Read the label for detailed feeding instructions.

Do not feed with other ionophores. Do not exceed recommended dose rates

and it is not to be used for single-dose treatment.

Care must be exercised when feeding FortiMILK™ Gold with other antimicrobials.

If the preparation fails to alleviate the condition being treated, the user should seek veterinary advice.

DO NOT FEED TO BOBBY CALVES.



Toxic to dogs, horses and equids

Feeding options

- Add FortiMILK™ GOLD to whole milk or non-medicated calf milk replacer
- Feed full dose in the morning milk feed – can be fed in divided dose over 2 milk feeds daily
- If adding to liquid milk, ensure vigorous agitation to the point of feeding

Nutritional information

Vitamin A, Vitamin D3, Vitamin E, Vitamin C, Biotin, B-group vitamins (B1, B2, B3, B5, B6, B9, B12), Vitamin K3, Zinc (glycine chelate), Manganese (glycine chelate), Copper (glycine chelate), Cobalt (glycine chelate), Iron (glycine chelate), Selenium (glycine chelate), Iodine, Lasalocid (Bovatec®), Celmanax™, ProfeSTART™ Probiotic calf-specific blend.

Bovatec® is a registered product under the ACVM Act 1997, A9679



ECOSYL™ 100

ECOSYL 100 silage inoculant is the world's most proven inoculant and is an ideal additive for clamped grass and legume silage. A proprietary *L. plantarum* strain MTD/1 works quickly and efficiently on a wide range of pH, temperature and dry matter to help make consistently better silage. These strains are active throughout the entire fermentation process and are not required to start fermentation which ensures excellent results faster.

Nutritional benefits

- Improves DM recovery +3.6% (28 trials)
- Improves protein preservation +3.5% (22 trials)
- Increases digestibility of silage (26 trials)

Use recommendations

- One bottle treats 100 MT of silage
- 24-month shelf life in a cool, dry place



Don't forget to recycle your empty containers. Head to www.agrecovery.co.nz/programmes/container-recycling/ to book a collection.

Ecocool™

Ecocool silage inoculant controls heating and spoilage in maize, grass, and cereal silages. It contains two unique bacterial strains in one bottle, making it a preferred choice among farmers. The combination of *L. plantarum* MTD/1 and *L. buchneri* strain PJB/1 promotes efficient fermentation and aerobic stability, reducing spoilage at feedout. It is an effective solution to enhance crops and feed.



Nutritional benefits

- Improves fermentation profile with MTD/1
- Increases aerobic stability; +67 hours before heating up
- Inhibits yeast and mould growth vs untreated silage

Use recommendations

- One bottle treats 100 MT of silage
- 24-month shelf life in a cool, dry place



Never run out of feed again

with Nutrinza's
SiloSure silo monitors





SiloSure

SiloSure is Nutrinza's latest innovation, now exclusively available to Nutrinza customers, offering real-time data on feed quantity and quality.

Through a collaboration between Nutrinza and GrainSure, SiloSure is at the forefront of feed management technology. It features an advanced silo sensor system designed to ensure optimal feed storage conditions, helping farmers maximise efficiency and productivity.

Benefits

SiloSure offers a range of benefits that make it an indispensable tool for modern dairy farming:

- No more climbing up the silo to check feed levels
- Real-time feed data to optimise management, reduce waste, and save money
- Automated alerts and detailed reports enable you to make informed decisions quickly, enhancing overall farm efficiency
- Monitor an individual and/or group of silos
- Access data via an App

Features

SiloSure is compatible with a wide range of silo types and sizes, making it a versatile solution for farms of all scales. Installation



is straightforward, and Nutrinza provides comprehensive support to ensure you maximise the benefits of your SiloSure system.

SiloSure is packed with features that set it apart from any other feed management system:

- View your customisable feed schedule
- Get notified when it's time for re-ordering
- Export usage data for analysis
- Radar technology for grain level measurement (0.5m–7m currently; 0.5m–10m by late 2025)
- Solar-powered with rechargeable 3.7V LiPo battery

All software updates are completed online. Sensors have a four to five-year lifespan and come with an 24-month warranty.

Invest in SiloSure today and take the first step towards smarter, more efficient feed management.

For more information go to www.nutrinza.com/silosure

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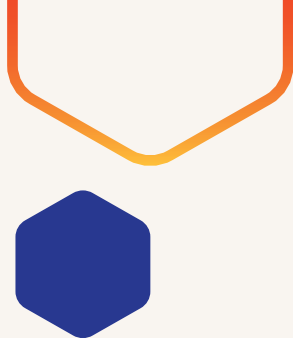
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Researched, trialled and proven in New Zealand and Australia.



For over 40 years, HSR Maize Seed has been breeding hybrid maize seed using carefully selected and trialled genetics.

We partner with breeders worldwide to source and develop the very best genetic material for local growers. Comprehensive testing for new varieties results in superior maize varieties with exceptional traits that thrive in New Zealand's unique and varied environmental and growing conditions.

Our advancements in hybrid maize seed technology are enabling farmers to cultivate superior crops, bolstering New Zealand's standing in the world as a reliable supplier of produce to feed the global population. We take great pride in being the only maize seed breeder in New Zealand to provide germination test results on each bag of seed, which gives you the assurance that HSR Maize Seed is of the highest quality and meets industry standards.

HSR Maize Seed is also proud to be part of the Intelact group of companies, driving sustainable food production.

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HSR hybrid range

Triton (78CRM)

Introducing HSR Seeds 78CRM silage maize.

A short maturity hybrid that is ideal for either silage or grain. Triton has a semi-dent kernel and is a plant with large leaf area and good stay-green. It has shown very good leaf blight resilience over the last two seasons and the ability to deliver above-average yields for both silage and grain. Triton is bred to perform under dryland conditions, with genetics selected for water use efficiency. A high 'grain to stover' ratio delivers high quality silage in a short growing season.

Asterix (85CRM)

Asterix 85 CRM delivers high starch silage.

Great for very quick silage or grain to fill that void these tough seasons can create, or for planting/harvesting outside of key operating windows in North Island regions. Asterix is also showing great results in Southern regions, where this fits into the growing window. Growers seeking high yield at this CRM with excellent standability and disease tolerance should be growing Asterix.

Obelix (90CRM)

Known as "The Pillar of Strength" Obelix is proving to be a winner on-farm here in New Zealand and Australia after its success in the HSR trial programmes.

Obelix is a 90 CRM hybrid developed by the HSR team of global breeding partners to fill this maturity space within our hybrid range. With its great stature and cob placement, coupled with quick cob turn down, it is also proving to be a winner with grain growers. Obelix shows strong disease resistance and is suitable for growing in all North Island regions. A solid performer with extreme early growth.

Bolt (96CRM)

HSR Bolt is a new addition to the range.

At 96CRM, it is ideally suited to both silage or grain markets. Bolt is a tall plant with medium density, dented kernels yielding a high grain to stover ratio, perfect for high quality forage. Bolt has excellent stalk strength and stress resilience. A great option for growers who want high grain yields or very high quality silage.





MaxTwo (100CRM)

Introducing HSR's 100CRM high starch silage maize.

A mid-maturity hybrid that delivers high starch levels to give high-quality silage values with big yields. With a very robust agronomy package and soft-starch kernels, MaxTwo has performed well as a mid-season option north of Taupo, and as full season choice in the Lower North Island. MaxTwo is a big plant with good standability. It can still go through to grain if required, giving it true versatility as a dual-purpose variety.

Spartacus (102CRM)

Introducing HSR Seeds 102CRM dual-purpose maize hybrid.

This is a very exciting dual-purpose hybrid that brings a new level of grain yield potential to this maturity group. Quick dry-down and excellent disease tolerance, along with a big root structure, means Spartacus ticks all the boxes for grain growers. Characterised by deep dented kernels, it will deliver an excellent return on a growers' investment. Spartacus also displays good water use efficiency, which is a result of specific trait selection during breeding.

Brutus (105CRM)

Brutus from HSR Seeds is a 105 CRM dual-purpose maize.

Brutus is a hybrid that has extremely high water use efficiency and exceptional yield for its maturity. It has an early-season growth habit that allows versatility and flexibility in sowing and harvest. It is designed for the maize grower who wants a crop that stands well, with an excellent silage yield quality, and delivers a high grain yield. It can be grown in a wide range of environments throughout New Zealand. Growers in warmer regions looking for a high-yielding, excellent disease tolerant and standability package in a mid-maturing maize hybrid should be growing Brutus.

Goliath (110CRM)

The perfect HSR 110CRM hybrid.

Developed in Australia as a dual-purpose hybrid with a fit for both silage and grain, it has impressed in New Zealand hybrid assessments in both yield and its overall agronomic package. Goliath is a tall plant with large cobs and bold 'dent' kernels, making it an ideal option for a full-season silage crop. Goliath has excellent yield flex in response to plant population.

NEW

		Triton	Asterix	Obelix	MaxTwo	Bolt
	CRM	78	85	90	100	96
	Plant Height	Medium	Medium	Tall	Tall	Tall
	Grain Type	Semi-Dent	Semi-Dent	Dent	Dent	Dent
Trait Scores	Stress Emergence	8	9	8	9	9
	Stalk Strength	9	8	9	9	9
	Stay Green	6	7	8	7	6
	Husk Cover	8	7	8	8	8
	Leaf Blight	9	7	8	8	7
	Cob Rot	8	9	8	9	7
	Rust	8	8	8	8	8

		Spartacus	Brutus	Goliath
	CRM	102	105	110
	Plant Height	Tall	Tall	Tall
	Grain Type	Dent	Dent	Dent
Trait Scores	Stress Emergence	8	9	9
	Stalk Strength	9	9	9
	Stay Green	7	8	8
	Husk Cover	8	9	9
	Leaf Blight	8	8	8
	Cob Rot	9	8	8
	Rust	8	9	8

Headlands

Supporting farming and agribusiness clients to innovate and create resilient, profitable businesses utilising environmentally sustainable farming principles.





We're here to help you increase your productivity and profitability.

Headlands has been providing leading consulting services to farmers and agribusiness clients since 1994 to increase productivity, profitability and sustainability in farming businesses.

Our team has the collective experience and knowledge of over 40 consultants, coupled with expertise gained from international agri projects.

This positions us to offer a unique perspective in areas such as:

- ◊ **Corporate farming** - operations, management, expansions, acquisitions, divestitures.
- ◊ **Institutional investors** - international agricultural investment opportunities, production prospects, end product markets, consumption trends, and valuations.
- ◊ **Value adders and processors** - supply strategies and end market trends.
- ◊ **Professional service firms** (including accountants, corporate recovery service providers, banks and insurance companies) - credit quality, management personnel, management plans and operational feasibility, and workouts.
- ◊ **Government and non-government organisations** – policy, independent surveys and industry research.

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Develop your consulting career.

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Our consultants work across New Zealand, helping farmers optimise their farming system to improve profitability, business resilience and sustainability.

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Nutrinza, helping farmers improve efficiencies, reduce herd wastage and improve profitability through the best possible combination of science and nutrition.

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