



**nutrinza**<sup>®</sup>  
The Science of **Animal Nutrition**

# Product Guide

**NZ**   
owned & operated



[nutrinza.com](https://www.nutrinza.com)

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### **Our philosophy is:**

If you're  
going to do  
the job, do it  
right.

## **Getting nutrition right is one of the most important decisions you make for your herd. It directly impacts animal health, performance, and the profitability of your farm.**

Since 2003, Nutrinza has worked alongside New Zealand farmers to deliver customised feed solutions that are tailored to individual farming systems, goals, and conditions. We understand that no two farms are the same – and your nutrition plan shouldn't be either.

Our FeedSafe-accredited blending facilities, combined with strong supplier relationships and bulk buying power, ensure consistent quality, reliable supply, and value for money. But what sets us apart is how we work with you – providing practical advice, technical expertise, and solutions designed to perform on farm.

Farming is a complex and challenging industry. You need partners you can trust to deliver, especially when it matters most. Nutrinza is committed to doing the job properly – supplying proven products, backed by science, and supporting you with the knowledge and service to get the best out of them.

Nutrinza is part of the Intelact Group, working together to support more sustainable and profitable food production across New Zealand.

## **Blends**

Nutrinza's tailored blends are designed to meet the specific needs of your farm, herd, and system.

Our FeedSafe-accredited blending facilities ensure accurate, consistent, safe mixing of feed and minerals every time, giving you confidence in what's going into your herd. With strategically located sites in Mount Maunganui, Marsden Point, Stratford, Rolleston, Timaru and Invercargill, we're set up to deliver reliable supply and service across New Zealand.

## **Supply options**

While custom blends are at the core of what we do, we also supply individual feed components, concentrates and pellets.

We source high-quality, cost-effective products that can be delivered as standalone ingredients or incorporated into a tailored blend — giving you control over how you manage performance, cost and feeding strategies.



# All of Nutrinza's blending stores are FeedSafe accredited.

Find out more about New Zealand Feed Manufacturers Association FeedSafe accreditation at [www.nzfmz.org.nz](http://www.nzfmz.org.nz)



## 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

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# Product specification quick reference chart

Product	DM %	ME	CP %	NDF %	Starch %	C FAT %
<b>Canola Meal</b>	88	11.7	38	26	1.5	3.5 - 5
<b>Dried Distillers Grain (DDGS)</b>	88	13	30	29	6	7
<b>Hi-Fibre Feed</b>	88	10.2	19	73	2.6	1.9
<b>High Starch Pellet</b>	88	12	12	25	45	3
<b>Maize (Kibbled / Whole)</b>	88	13.5	9	13	73	4
<b>Megalac</b>	95	33.3	0	0	0	84
<b>Palm Kernel Expeller</b>	88	11.6	14 - 16	65	2.1	7 - 9
<b>PKE10</b>	87	11.7	14.5	58	1.9	7.2
<b>Soya Bean Hull</b>	88	11.5	13.5	60	1.4	3
<b>Soya Bean Meal</b>	88	13.5	48	13	1.7	2
<b>Sunflower Pellet (whole / crushed)</b>	88	10.7	34	38	1	2
<b>Tapioca (whole/crushed)</b>	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 – June 2026.

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 derived from palm fruit following oil extraction. Compared to standard palm kernel expeller (PKE), which is mechanically extracted, it has a lower oil content and a higher protein profile.

### Nutritional benefits

Hi-Fibre Feed is well suited to periods when pasture availability is limited and production needs to be maintained with supplementary feeding.

Its low FEI profile means it can be fed at higher rates than traditional PKE, providing greater flexibility when additional intake is required. As a source of highly digestible fibre with elevated protein levels, it helps support performance at times when protein is often limiting, such as during dry or drought conditions.

Hi-Fibre Feed is also GM-free.

### Feeding recommendations

Hi-Fibre Feed is versatile and can be fed in the paddock, on a feed pad, or incorporated into in-shed blends. Ruminants will readily switch from PKE to Hi-Fibre Feed.

Cows will readily transition from PKE to Hi-Fibre Feed as part of a managed feeding programme. On-farm trials have shown it can be fed at rates of up to 8kg per cow, per day, without exceeding FEI thresholds.

With its combination of feeding flexibility and protein content, Hi-Fibre Feed can help reduce reliance on higher-cost protein sources, while supporting feed supply during challenging periods such as drought.

**Note:** Always refer to your milk supplier's guidelines for FEI requirements.

### 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 well-established supplementary feed, providing a valuable source of energy through oil content, along with rumen-fermentable fibre that can support milk production, particularly butterfat levels.

While PKE is high in Neutral Detergent Fibre (NDF), a significant proportion is rumen-bypass fibre. This means it can be included in the diet without causing high levels of pasture substitution compared to some other supplements.

PKE contains very little starch, making it a versatile option that can be fed safely alongside pasture-based diets.

PKE is also GM-free.

### Feeding recommendations

PKE can be easily introduced by offering it in the paddock via a trough or trailer, allowing cows to self-regulate their intake. Under these conditions, dairy cows will typically transition to eating around 1–2kg per cow, per day, within a few days.

When feeding through the bail or in-shed systems, PKE is best used as part of a mixed ration. Inclusion rates should be built up gradually, guided by animal intake and overall diet balance.

**Note:** Always refer to your milk supplier's guidelines for FEI requirements.

### 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 improves palatability, helping cows transition onto the feed more easily and supporting consistent intake.

The increased level of soluble sugars also supports rumen function and can assist feed utilisation. Like standard PKE, PKE10 can be included in the diet without causing significant pasture substitution, helping to support overall dry matter intake.

PKE10 is low in dust while still maintaining good flowability, making it well suited to in-shed feeding systems.

PKE10 is also GM-free.

### Feeding recommendations

PKE10 is a versatile feed that can be fed in the paddock, on a feed pad, or as a component of in-shed blends. If fed in the shed, it is best to mix PKE10 with other feeds. As with any supplementary feed, cows should be adapted gradually, particularly at higher inclusion rates (above 4kg DM per cow, per day).

As PKE forms the majority of PKE10 and is a by-product of palm oil production, some seasonal variation in nutritional values can occur.

For advice on how PKE10 can be incorporated into your feeding programme, contact your local Nutrinza Technical Sales Representative or support team.

**Note:** Always refer to your milk supplier's guidelines for FEI requirements.

### 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 a by-product of soybean processing, where the outer coating of the bean is removed during the production of Soy Bean Meal. Due to their light, bulky nature, they are typically pelleted to improve handling and feed efficiency, without changing their nutritional value.

### Nutritional benefits

Soya Bean Hulls are a highly digestible source of fibre, providing energy through fermentable fibre rather than starch.

Their digestibility allows them to partially replace both fibre and some grain components in the diet, helping to support rumen function while maintaining energy intake. When included

in forage-based systems, they can also support forage utilisation and overall diet efficiency.

### Feeding recommendations

Soya Bean Hulls can be fed at rates of approximately 0.5-5kg per cow, per day depending on the overall diet and production goals. Soya Bean Hulls have a high nutritional value for ruminants and are a highly digestible fibre source. Supplementing diets with Soya Bean Hulls increases rumen microflora flow and rumen fibre digestion.

However, as they do not provide the same effective fibre physical structure as long-stem forages, they should be used alongside adequate roughage.

### Typical nutritional analysis

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



## Canola

Canola is a by-product of canola seed oil production and is widely used as a high-quality protein source in dairy diets.

### Nutritional benefits

Canola provides a balanced source of protein, with a combination of rumen degradable protein and rumen undegradable (bypass) protein, supporting both rumen function and milk production.

This makes it particularly effective in diets where protein is limiting, such as those based on maize silage, whole crop silage or other low-protein feeds.

### Feeding recommendations

Canola is best utilised as part of a balanced ration, where it can complement other feed components and help address protein deficiencies.

Typical feeding rates for dairy cows range from 0.5–2kg DM per cow, per day. In grain mixes, inclusion rates generally sit between 10–30%, depending on the formulation.

For best results, canola is commonly incorporated into customised blends and fed through in-shed systems, alongside a well-balanced diet.

### Typical nutritional analysis

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



## Dried Distillers Grains

Corn Dried Distillers Grains with Solubles (DDGS) are a by-product of ethanol production from maize grain. DDGS is typically golden in colour and widely used as a supplementary feed.

### Nutritional benefits

DDGS is a nutrient-dense feed, providing a strong source of protein along with moderate levels of fat.

Unlike cereal grains, much of its energy is supplied through digestible fibre and fat rather than starch. This makes DDGS a useful option for supporting milk production while helping to reduce the risk of rumen acidosis in high-supplement diets.

### Feeding recommendations

DDGS is best used as part of a balanced ration, where it can contribute both energy and protein.

As a guide, DDGS can make up to 30% of total diet dry matter. It is commonly included in feed blends and can improve palatability, particularly where minerals are present.

Inclusion rates should be adjusted based on overall diet requirements, particularly where additional protein is needed to support production.

### Typical nutritional analysis

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



## Sunflower Pellet

Sunflower Pellets are the by-product of the extraction of oil from sunflower seeds. They are pelleted to increase bulk density and improve flow in silos. Sunflower pellets are available in both whole or crushed form.

### Nutritional benefits

Sunflower pellets provide a valuable source of both protein and fibre, with moderate energy levels to support balanced rations.

They are particularly high in rumen-degradable protein, making them a useful supplement in situations where pasture protein is limiting. This supports rumen activity and can help maintain production when dietary protein levels are under pressure.

Sunflower pellets also provide B-complex vitamins and are suitable for feeding across a range of ruminant systems.

Sunflower pellets are GM-free.

### Feeding recommendations

Sunflower pellets are best used as part of a balanced ration, where they can help address protein deficiencies and support overall diet performance.

They can be fed in the paddock, on a feed pad, or through in-shed systems, depending on your feeding setup.

Inclusion rates should be guided by the level of protein required in the diet and overall production goals.

### Typical nutritional analysis

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



## High Starch Pellet

Nutrinsa's High Starch Pellet is a grain-based pellet designed to provide a concentrated source of energy for dairy cows.

### Nutritional benefits

High Starch Pellet supplies readily available starch, supporting rumen microbial activity and overall feed utilisation.

Adequate starch levels help drive rumen function, improving fibre digestion, rumen activity, and voluntary feed intake. This makes it a useful option for supporting milk production, particularly during periods of high demand such as early lactation and peak production.

Pelletising improves handling, reduces wastage, and ensures consistent flow through feeding systems.

### Feeding recommendations

Due to its high starch content, High Starch Pellet should be introduced gradually to allow cows to adapt and reduce the risk of rumen acidosis.

Once adapted, typical feeding rates range from **2–4kg per cow, per day**, depending on production targets and the overall diet.

As High Starch Pellet is relatively low in protein, it should be balanced with adequate protein sources (pasture or supplementary feeds), as well as sufficient fibre, to maintain rumen health and optimise performance.

### Typical nutritional analysis

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



## Kibbled Maize

Kibbled maize is processed maize grain and is one of the best sources of energy and carbohydrate for the lactating cow. It is also ideal for weight gain.

### Nutritional benefits

Maize grain is a rich source of starch-based energy, making it an effective supplement for supporting milk production and body condition.

Its digestibility and energy density make it particularly valuable during periods of high demand, such as early lactation and peak production. When used correctly, it can help lift overall energy intake and support production performance.

Kibbled maize is also GM-free.

### Feeding recommendations

Due to its high starch content, maize should be introduced gradually to allow the rumen to adapt and reduce the risk of acidosis.

Typical feeding rates range from **2–4kg per cow, per day**, depending on production targets and the overall diet.

Kibbled maize is best fed as part of a balanced ration, alongside adequate fibre sources to support rumen health and maximise feed efficiency.

### Typical nutritional analysis

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



## Tapioca

Tapioca is derived from the cassava root, a tropical crop grown for its high-energy starch content.

### Nutritional benefits

Tapioca is a high-quality energy supplement, providing rapidly available energy to support milk production.

It is low in protein and is best used alongside other feeds to ensure a well-balanced diet.

Tapioca is also GM-free.

### Feeding recommendations

Due to its high starch content and fine particle size before pelleting, tapioca must be fed carefully to avoid the risk of rumen acidosis.

Ad libitum feeding is not recommended. Instead, tapioca should be fed as part of a blended ration, typically at no more

than 25% tapioca to 75% PKE or soya bean hulls, to help moderate intake and support rumen health.

When feeding in-shed where intake can be controlled, tapioca can be included at rates of up to:

- » **2.5kg/cow/day in spring**
- » **2.0kg/cow/day in mid to late lactation**

As with any high-starch feed, cows should be introduced gradually. A common approach is to start at 0.5kg per cow, per day, and increase in 0.5kg increments until the desired feeding level is reached.

### Typical nutritional analysis

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

## Megalac™

Megalac™ is a highly proven rumen-protected fat, supplying a concentrated source of energy to support body condition, fertility, and milk production.



### A concentrated source of energy

Megalac delivers high energy density (33.3 MJ/kg DM) with excellent digestibility (96%), helping to lift overall energy intake without increasing rumen starch load.

### Supports body condition at critical times

By helping to bridge the energy gap during early lactation, Megalac supports cows in maintaining condition and reducing liveweight loss when demand is highest.

### Improves fertility and in-calf rates

Targeted energy supports reproductive performance, including improved follicle development and progesterone levels, helping to achieve better mating outcomes.

### Supports efficient milk production

18 studies showed an average increase of +2.3 litres per cow, per day, when fed 500g of Megalac per day. Trials have also shown improved feed efficiency, with around 13% less methane produced per kg milk.

### Rumen-friendly energy source

As a bypass fat, Megalac does not interfere with fibre digestion, supporting rumen function alongside high-performance feeding systems.

Megalac is typically fed at **0.2–0.5kg/cow/day**, depending on production targets and stage of lactation.

It is best used:

- during early lactation to support condition and peak production
- through mating to support fertility
- in high-performance systems where energy demand is elevated

Megalac is available in blends or can be supplied directly on farm in bags or bulk.

### Feeding recommendations

Megalac is available in blends or direct to farm in 25 kg bags (one tonne minimum delivery) or 800 kg bulk bags (1.6 tonne minimum delivery).

# Plant-based Feed Grade Oil

Nutrinza's plant-based oil is the ideal product to include in feed blends to reduce dust, while also contributing additional energy to the diet. Our plant-based oil consists mainly of canola oil, with a small proportion of other plant-based oils (no palm oil) added.

## Benefits

Oil suppresses dust at very low inclusion rates. Just 1% inclusion is required to suppress dust in most instances. Less dust:

- » Improves animal health by reducing dust inhalation.
- » Reduces wastage with less feed blown out of in-shed feed troughs.
- » Reduces the possibility of feed separation, especially finer minerals, during transport and silo storage.
- » Reduces eye irritation for staff in the dairy shed.

Another key benefit is better flow of feed through the auger and silo, reducing time-consuming unblocking and cleaning of in-shed feed systems and silos.

Overall, you can expect 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 higher levels of minerals or fine ingredients.

- Nutrinza's blending process ensures the oil is evenly distributed throughout the feed, maintaining a dry, free-flowing product that performs reliably in silos and feeding systems. Compared to molasses-based blends, lower sugar and higher dry matter can also support improved shelf life in certain conditions.
- 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 blends are designed for on-farm use, either alongside blends or as part of a targeted liquid trace mineral programme.



### Ultramin Sel-Gold™ and Ultramin Sel-Gold No Copper™

Nutrinza Ultramin Sel-Gold and Ultramin Sel-Gold No Copper are soluble mixtures designed to be administered to lactating dairy cows through the drinking water (troughs and in-line), power drenching systems or mixed with feed.

If the 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 the combined application rate is **50g per cow, per 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™	250mg	4mg	10mg	4.5mg	800mg
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 three 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 Monensin®

- This option provides the standard macro minerals plus 1.5g of 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)

- Now includes Zinpro AvailaZn as a highly bioavailable amino acid-complexed organic zinc source, that supports hoof integrity, skin and udder health, immune function and overall performance in dairy cows by improving zinc absorption and utilization.

### Max Mineral Standard with Cowmin5 plus Monensin®

- Offers standard macro minerals plus 5 trace minerals (copper, cobalt, selenium, iodine, zinc).
- Now includes Zinpro AvailaZn as a highly bioavailable amino acid-complexed organic zinc source, that supports hoof integrity, skin and udder health, immune function and overall performance in dairy cows by improving zinc absorption and utilization.

### 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.

# TranzSol™



## Essential support your herd needs through the transition period

TranzSol™ is a supplement designed to support your cows pre-and post-calving. By delivering the right blend of vitamins & minerals based on your herds needs, TranzSol™ reduces milk fever risks, improves calving outcomes and sets your herd up for a productive season.



### Nutritional benefits

TranzSol™ with Hy-D® enables cows to activate safe, metabolisable dietary calcium rather than compromising their skeletal calcium store.

Calcium carbonate combined with a patented form of activated vitamin D (Hy-D®) ensures she can receive an effective, regular dose of calcium during transition from her diet, to support the natural bone mobilisation process, and reduce the demand on her bones.

### Feeding options

There are many ways TranzSol™ can be fed, including feeds pads, mixer wagon, meal silo, feed trough, silage in paddock and a mineral dispenser. A tool to help identify the ideal way to transition for different farming systems is available on the Sollus website at [www.sollus.co.nz](http://www.sollus.co.nz)

### Transition programme guidelines

TranzSol™ delivers the best results when used within a structured transition programme. This includes introducing cows onto the programme around 14 days pre-calving and managing pasture intake to no more than 6kg DM of grass or grass silage.

This controlled approach supports optimal calcium mobilisation, reduces metabolic risk, and improves consistency of outcomes through calving.

# LactiSol™

## Boost your herd's health

LactiSol™ by Sollus is a complete mineral supplement line designed to support dairy cow health, production, and resilience across different stages of lactation.



Each LactiSol™ product combines essential vitamins and minerals with advanced forms like Hy-D® and Rovimix Biotin to optimise calcium absorption, improve hoof and teat health, and support overall performance. LactiSol™ is tailored to suit New Zealand's unique pasture-based systems, addressing key health needs to maintain strong, productive cows.

### Nutritional benefits

LactiSol™'s multi-stage approach combines essential nutrients, addressing major health challenges for lactating cows:

- Hy-D® optimises calcium and phosphorus absorption, vital for bone health and milk production.
- Rovimix Biotin supports keratin formation, strengthening hooves and teats.
- Multi-stage release zinc compounds improve immune resilience and support healthy skin.
- Vitamin E and selenium act as antioxidants, supporting immune function and protecting against oxidative stress.

### LactiSol™ Range

#### LactiSol™ 400

A full range of minerals plus Biotin to maintain production and health in dairy cows milking 350 - 450 milk solids a season. It contains DSM Rovimix® Biotin for keratin production - a key component of healthy hooves.

#### LactiSol™ 500

The vitamins, minerals and antioxidants required to maintain production and health in dairy cows producing 450 – 550 milk solids a season. Plus, it contains Hy-D®, DSM's unique form of vitamin D, and DSM's Rovimix® Biotin for keratin production.

#### LactiSol™ 600

Formulated to meet the elevated nutritional requirements of high producing cows and cows in barn systems. It contains elevated levels of vitamins, minerals and antioxidants. Plus, it contains Hy-D®, DSM's unique form of vitamin D, and DSM's Rovimix® Biotin for keratin production.

Download product information and spec charts from the Sollus website at [www.sollus.co.nz](http://www.sollus.co.nz).

# MineralBoost Granulated

## MineralBoost

Product	Elemental profile (Each 200 gms contains)							
	Calcium	Magnesium	Sodium	Phosphorous	Zinc	Trace Minerals	Monensin*	Monensin® Sodium
<b>MineralBoost Transition</b> (Inc. Vitamin D @ 7,000 IU)	28gm	16gm	-	-	-	5gms (NutriPlex®5)		-
<b>MineralBoost Classic*</b>	46gms	10gms	12gms	-	-	-		-
<b>MineralBoost Rumensin^</b>	48gms	10gms	10gms	-	-	-	300mg/cow/day (Rumensin®)	
<b>MiwneralBoost Bovatec 20CC®</b>	48gms	10gms	10gms					
<b>MineralBoost Max^</b>	46gms	10gms	10gms	-	-	5gms (NutriPlex®5)		300mg
<b>MineralBoost Zinc†</b>	48gms	8gms	10gms	-	9.6gms (12gms zinc oxide)	-		-
<b>MineralBoost Plus</b>	41gms	12gms	11gms	5gms	-	5gms (NutriPlex®5)		-

Product information and technical specifications are available on MineralBoost's website at [www.mineralboost.co.nz](http://www.mineralboost.co.nz).

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

Product	Zinc	Copper	Cobalt	Iodine	Selenium
<b>MineralBoost Max^</b>	300mg	135mg	12.5mg	8.5mg	2.5mg
<b>MineralBoost Plus</b>	300mg	135mg	12.5mg	8.5mg	2.5mg
<b>MineralBoost Transition</b>	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 A9679.

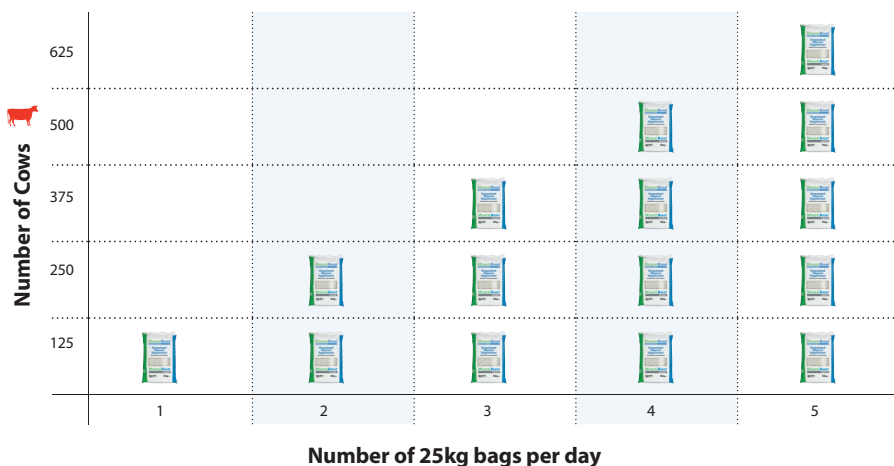


**MineralBoost inclusion rates** Percentage & kg / tonne (PKE, meal blends & silages)

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 Easymix

Blossom is a premium whey-based calf milk replacer formulated with Imunopro®; 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 850ml 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](http://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.

Our formulation includes vitamins, trace elements and a probiotic to promote calf health.

New and improved mineral formula including Zinpro AvailaZn and AvailaMn - providing highly available organic zinc and manganese to support stronger immunity, optimal growth, hoof and skeletal development.

### 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).

Contains Bovatec® for control of coccidiosis. **Note:** Under new regulations Bovatec® has a 5 day meat and 35 day milk withholding period.

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.

Our formulation includes vitamins, trace elements and a probiotic to promote calf health.

New and improved mineral formula including Zinpro AvailaZn and AvailaMn - providing highly available organic zinc

and manganese to support stronger immunity, optimal growth, hoof and skeletal development.

## 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).

Contains Bovatec® for control of coccidiosis. **Note:** Under new regulations Bovatec® has a 5 day meat and 35 day milk withholding period.

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/](http://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



## ECOCOOL™ 100 & 250

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

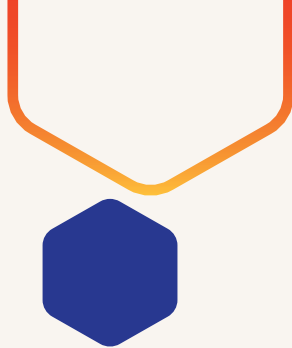
- Improves fermentation profile with MTD/1
- Increases aerobic stability; +67 hours before heating up
- Inhibits yeast and mould growth vs untreated silage

### Use recommendations

- ECOCOOL100 treats 100WT of Silage
- ECOCOOL 250 treats 250WT 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/](http://www.agrecovery.co.nz/programmes/container-recycling/) to book a collection.



## 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.

### Contact a HSR Maize Seed Agronomist

#### Guy Mason

027 231 0710

[guy.mason@nutrinza.com](mailto:guy.mason@nutrinza.com)

#### David Muller

027 495 5023

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0508 768 723  
[nutrinza.com](http://nutrinza.com)



0508 768 723 | [nutrinza.com/hsr](http://nutrinza.com/hsr)

# HSR hybrid range

## Triton 78 CRM

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 85 CRM

Asterix 85 CRM is "starchy 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 90 CRM

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 96 CRM

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** 100 CRM

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** 102 CRM

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** 105 CRM

Brutus from HSR is a 105 CRM soft feed/silage 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 or high-yielding grain. 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.

## **Nero** 110 CRM

Nero is a strong all-rounder. It offers an excellent yield for its maturity. Nero fits well as a solid mid-season IT maize hybrid. Nero offers fantastic 'plasticity' (that is, the ability to adapt to environments in which it is grown). It is a highly adaptable maize variety.

## **Romulus** 117 CRM

Romulus is a full-season maturity, high yielding silage and grain option. It is a tall and vigorous plant with large cobs and kernels. Romulus is highly adaptable to stress environments with drought, heat and disease. It has very strong standability and will hold grain size under stress.

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

				<b>NEW</b>	<b>NEW</b>
		<b>Spartacus</b>	<b>Brutus</b>	<b>Nero</b>	<b>Romulus</b>
	CRM	102	105	110	117
	Plant Height	Tall	Tall	Tall	Tall
	Grain Type	Dent	Dent	Dent	Dent
<b>Trait Scores</b>	Stress Emergence	8	9	9	9
	Stalk Strength	9	9	9	9
	Stay Green	7	8	8	9
	Husk Cover	8	9	9	9
	Leaf Blight	8	7	8	9
	Cob Rot	9	8	8	9
	Rust	8	8	8	9

# 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.

### Join Headlands

#### Develop your consulting career.

Headlands is on the hunt for new consultants to join our passionate team.

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

As part of our leading consultancy team, you'll be supported by some of the best pasture-based dairy systems consultants in New Zealand.

You'll also have the opportunity to take part in our two internal conferences annually and several forums throughout the year.

### Interested?

For more information visit [www.headlands.co.nz](http://www.headlands.co.nz) or phone **0800 735 588**.

# The Intelact Group of Companies



**headlands™**



**nutrinza™**



**intelact™**



Customised, quality, high-performance feed solutions that lift production, efficiency, and profitability.

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