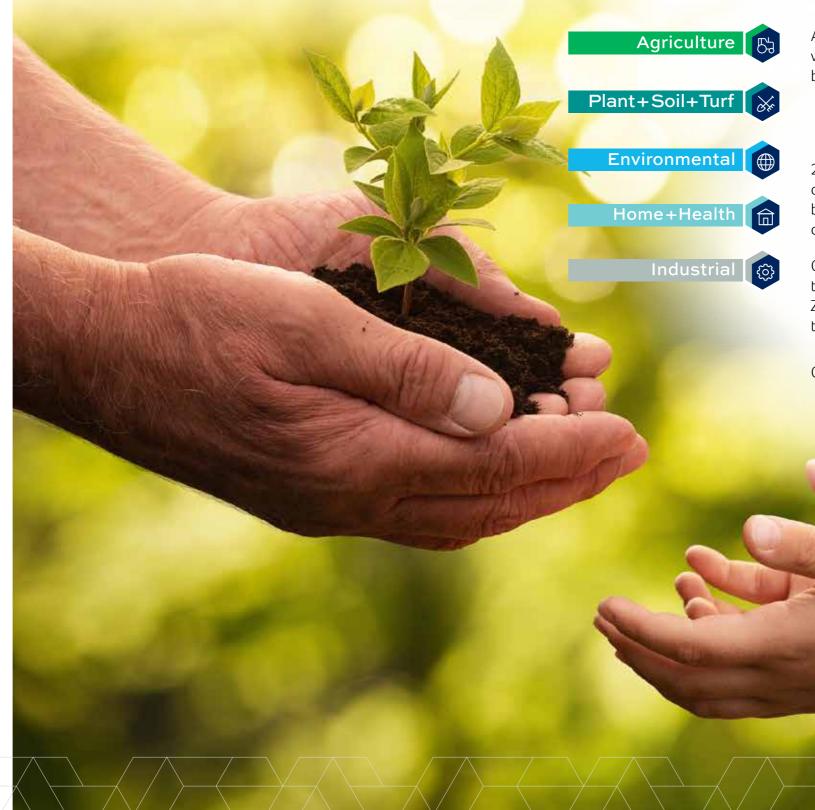


Blue Pacific MINERALS

CLEVERbyNATURE

Blue Pacific Minerals (BPM) is a Tokoroa based, NZ owned business, providing more natural solutions to everyday challenges across multiple industries, around the globe.



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A real emphasis for the business is in NZ Agriculture where customers see immediate and sustainable benefits from using **BPM** solutions.

3

A common thread throughout BPM product offerings is they are CLEVER BY NATURE!

250,000 years ago the Central Plateau was a hive of volcanic activity. And while mother nature was blowing a gasket, she was creating something pretty clever too. Zeolite.

Over the years **Blue Pacific Minerals** has harnessed the amazing absorbent and attraction powers of NZ Zeolite. It is this clever mineral that forms the basis of the majority of **Blue Pacific Minerals** solutions.

Quite simply,

CLEVERbyNATURE



THE CHALLENGES:

Х

h



Cold and wet when born, drains energy

x20

FEED DELAYS

Delay to first feed reduces ability to absorb needed antibodies and nutrients

COMPACT CALVING

Compact calving pattern means less time for staff to attend calves individually

£X} BACTERIA

RISKS Colostrum alone may not have significant enough antibodies to protect calves



OVER-CROWDING

x60

Overcrowding in feeding pens, sharing feeding teats, wet bedding increases bacterial challenge



LOW RESISTANCE

No resistance to disease like E. coli and salmonella, only defence is colostrum



proactively

x80

THE SIZE OF THE CHALLENGE NCREASES AS MORE CALVES



THE SOLUTIONS:



FIRST 24 HOURS IS CRITICAL FOR ANTIBODY AND NUTRIENT ABSORPTION



Feed **OptiCalf**[™]adlib for extra insurance against diarrhoea

HELPS COMBAT THE CHALLENGES OF:



OptiCalf OURISH

Mixed with milk, **OptiCalf**[™] **Flourish** provides probiotics for the best start in life

HELPS COMBAT THE CHALLENGES OF:



CALVING

OPTICALF[™] FLOURISH

Let the digestive tract flourish with billions of good bacteria



ABOUT OPTICALF[™] FLOURISH:

- Designed to be added to milk and electrolytes to easily distribute to calves
- Helps strengthen disease resistance and recovery in calves
- Optimise feed conversion for maximum growth and overall development
- · Promote rapid and healthy weight gain
- Improve rumen and intestinal development

DIRECTIONS FOR USE:

Add 5gm per calf, per day to milk. In times of stress or recovery, add 10gm per calf, per day to electrolytes or milk.

IMPROVED FORMULA:

OptiCalf[™] Flourish combines two cutting-edge ingredients, Kemin[®] CLOSTAT[®] probiotics and SmartCare[®] postbiotic, both backed by extensive scientific research to enhance calf health and development. **OptiCalf[™] Flourish** also includes the top 5 trace elements required to get your calves performing at their peak.

PACK SIZE: 10 KG

OPTICALF[™]

Calf health naturally



ABOUT OPTICALF[™]:

- 100% natural
- Raise healthy calves
- BioGro Certified input for organics

DIRECTIONS FOR USE:

For minor cases of calf diarrhoea provide 20 gm per calf, per day into feed troughs.

LOVED BY CALF REARERS

OptiCalf[™] has been fed to calves for almost 20 years and is loved by calf rearers nationwide.

PACK SIZE: 20 KG

- Great value for money
- Calves love the taste
- Toxin binding

Bacillus subtilis PB6 Saccharomyces cerevisiae

Zinc Chelate copper

Chelate cobalt lodine

Selenium

| TRACE ELEME Per 5gm dose | NTS: | |
|------------------------------------|--------|--|
| Zinc | 10mg | |
| Copper chelated | 2.5mg | |
| Cobalt chelated | 0.25mg | |
| lodine | 0.3mg | |





Successful calf rearing, is geared towards a healthy and productive adult, with a well developed and functioning rumen.

THE DEVELOPMENT OF THE RUMEN:







TAR WEAN WEIGHT

. Number A011800 See www.foodsafety.govt.nz for registration conditions

INGREDIENTS:

Optimate[™]ACVM Registration

0.3mg Selenium 0.1mg

INGREDIENTS:



ABOUT **KEMIN CLOSTAT PROBIOTICS:**

CLOSTAT[®] contains a proprietary, patented strain of Bacillus subtilis PB6. This unique, naturally occurring, spore-forming microorganism has been identified and selected by Kemin® to help maintain the balance of microflora in the intestinal tract of livestock.

ZORBIFRESH[™]ACTIVE

Reduce bacteria, ammonia and moisture in bedding



ABOUT ZORBIFRESH[™]ACTIVE:

- A bedding additive for cows, calves, equine and swine
- Absorbs up to 199% of its weight in moisture
- Reduces odour for a safer environment
- Starts killing bacteria (including Staph aureus and E. coli) as soon as it is applied and keeps killing beyond 24 hours

DIRECTIONS FOR USE:

From 250 grams to 500 grams per square meter of animal bedding.

KEEP PENS CLEAN & DISEASE FREE

ZorbiFresh[™] Active can be used as part of a regular process to keep calf pens clean and disease free, but is also highly effective in larger doses post a bacterial outbreak.

NON TOXIC FOR USE IN BEDDING HEALTHY IVESTOCK ODOUR REDUCING HIGHLY ABSORBENT

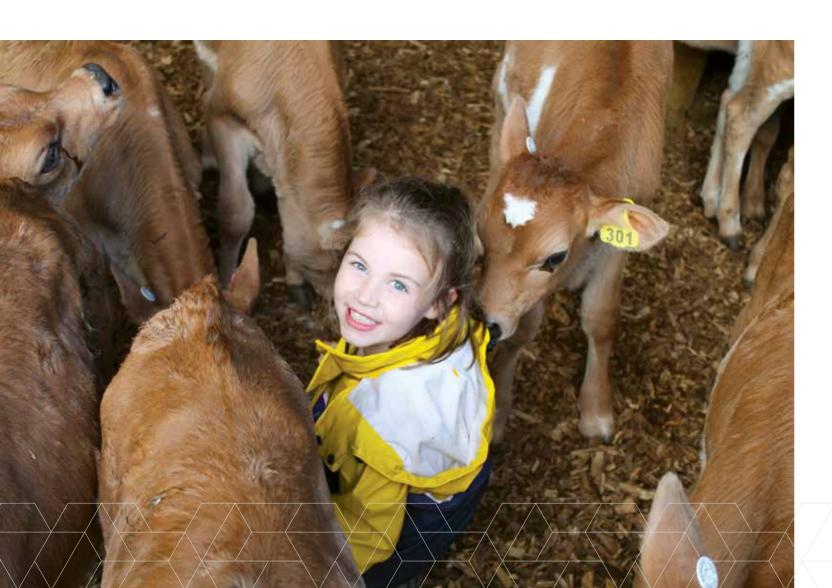
INGREDIENTS:

Natural BPM zeolite from

New Zealand

Oxone

PACK SIZE: 20 KG Available from your Rural Retaile



LABRATORY TESTED

ZorbiFresh[™]**Active** has been tested using the industry standard *laboratory efficacy evaluation test*.

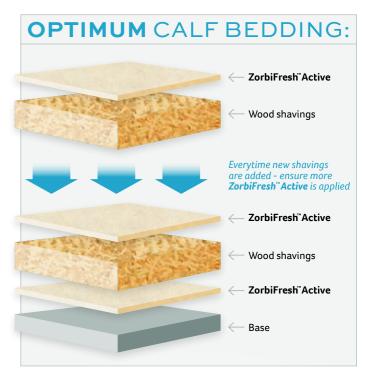
- **ZorbiFresh[™] Active** is 100% effective against Staph aureus and E. coli after 1 hour exposure
- Organic soiling of the bedding reduced the efficacy of ZorbiFresh^{**} Active after 1 hour exposure but 100% kill was achieved after 24 hours exposure

ZorbiFresh^{**}**Active** absorbs up to 199% of its weight in moisture, soaking up ammonia and nitrates. It is not just the moisture that the product adsorbs but the porosity allows the bedding to dry out.

ZorbiFresh[™] Active kills bacteria such as Staph aureus and E. coli and other gram negative and gram positive bacteria.

The two major diseases leading to calf mortality are scours and pneumonia. Pneumonia is a respiratory disease, so reducing ammonia in the air surrounding calves is part of lessening the risk associated with calf housing.





HOW TO PREPARE THE IDEAL CALF PEN

1. Start with a clean and dry base

- 2. Apply **ZorbiFresh[™]Active** to kill bacteria present in the base
- 3. Lay your choice of shavings down
- Apply ZorbiFresh[™]Active to the shavings

Re-apply **ZorbiFresh[™]Active** once a week or as required to reduce moisture, ammonia and bacterial load

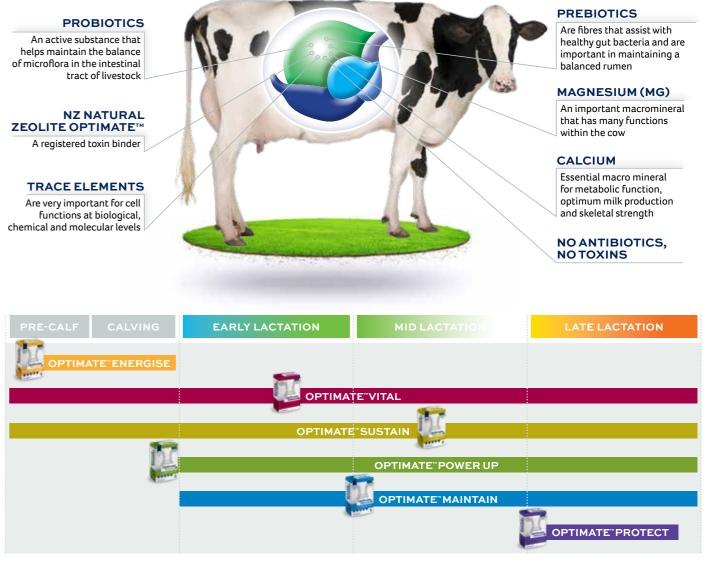
CALVING

ZorbiFresh[™]**Active** is especially useful after a high bacterial challenge such as scours.

FOCUS ON 365 DAYS FOR OPTIMAL PRODUCTION



Optimate



CONVENIENTLY ALL-IN-ONE: The **Optimate**[™] range features the next generation of dispersible granule, meaning less dust and less handling when feeding out. Conveniently all-in-one it saves you time and storage with no more measuring and mixing multiple minerals and trace elements.

THE OPTIMATE[™] RANGE

We listened to farmer feedback, merged this with advice from animal nutritionists and micro-biologists to create a range that seamlessly fits into each part of the farming calendar, boosting cow health and production.

OPTIMATE[™] ENERGISE

Strengthen your herd for calving



ABOUT OPTIMATE[™] ENERGISE:

- Increasing macro minerals and trace elements in their diet
- Providing prebiotics and probiotics
- Pre-calving support blend for dairy cows

DIRECTIONS FOR USE:

- Feed **Optimate[™] Energise** to dairy cows only, 21 days pre-calving, at a rate of 300 gm per cow, per day
- Do not feed to in-milk dairy cows
- Ensure **Optimate[™]Energise** is thoroughly blended through the feed

SUPPORT & STRENGTHEN

Introducing good bacteria and macro and trace minerals into the gut to support and strengthen for calving.



OPTIMATE^{TD}**POWER UP**

Post calving high-performance feed supplement



ABOUT OPTIMATE[™] POWER UP:

- · Prebiotics and probiotics for intestinal health
- Magnesium, calcium and phosphorous for lactating dairy cows
- Essential trace elements for a healthy animal
- Optimate[™] is a registered toxin binder

DIRECTIONS FOR USE:

- Feed 300 grams per cow per day
- Designed to be fed to lactating dairy cows

SUPPORT YOUR HERD NATURALLY

Optimate[™] **Power Up** is intended to give back to the cow what milking takes out. Non-toxic, no antibiotics a more natural way to support your herd.



INGREDIENTS:

Optimate[™]ACVM Registration Number A011800 See www.foodsafety.govt.nz for registration conditions Kemin[®] CLOSTAT[®]

Diamond V[®]Original XPC[™] MACRO MINERALS:

| Per 300g daily ration | |
|----------------------------|-------|
| Magnesium | 22gm |
| Sulphur | 13gm |
| Calcium | 7gm |
| Phosphorus | 2gm |
| TRACE MINERALS: | |
| Copper (protected/organic) | 125mg |
| Cobalt | 25mg |
| Zinc | 850mg |
| Selenium | 10mg |
| lodine | 32mg |

OPTIMATE[™]SUSTAIN

Macro minerals for sustained performance



ABOUT OPTIMATE[™] SUSTAIN:

- Dispersible granule for easy distribution • Macro minerals including; magnesium, calcium and
- phosphorus for lactating dairy cows

DIRECTIONS FOR USE:

- Feed Optimate[™] Sustain via silo, mixer wagon, in-shed feeder or on feed pads
- Suitable with maize and grass silage dairy meal, dairy blends
- Feed 300 grams per cow, per day
- Only to be fed to lactating dairy cows

PACK SIZE: 20 KG / 1TONNE

OPTIMATETM MAINTAIN

Maintain healthy herd performance



ABOUT OPTIMATE[™] MAINTAIN:

- Dispersible granule for easy distribution
- Includes magnesium and calcium
- Includes five essential trace minerals
- Optimate[™] is a registered toxin binder

DIRECTIONS FOR USE:

- Feed **Optimate[™] Maintain** via silo, mixer wagon, in-shed feeder or on feed pads
- Suitable with maize and grass silage, dairy meal, dairy blends
- Feed 300 grams per cow, per day
- Only to be fed to lactating dairy cows

PACK SIZE: 20 KG / 1TONNE

INGREDIENTS: **Optimate**[™]ACVM Registration Number A011800

ቍ

See www.foodsafety.govt.nz for registration conditions Kemin[®] CLOSTAT[®]

d V ® Onininal VDC^{IM}

| Diamond V® Original XPC** | |
|--|------|
| MACRO MINERALS: Per 300g daily ration | |
| Magnesium | 15gm |
| Calcium | 56gm |
| Phosphorus | 3gm |
| TRACE MINERALS: | |
| | |

Cobalt Zinc Selenium

Copper (organic) 125mg

lodine



10mg 32mg

• Optimate[™] is a registered toxin binder

INGREDIENTS:

Optimate[™]ACVM Registration Number A011800 See www.foodsafety.govt.nz for registration conditions

| MACRO MINERALS: Per 300g daily ration | |
|--|------|
| Magnesium | 15gm |
| Calcium | 56gm |
| Phosphorus | 3gm |

SUSTAINED PERFORMANCE

Special blend of macro minerals in dispersible granules to be easily fed to dairy cows.



INGREDIENTS:

Optimate[™]ACVM Registration Number A011800

| see www.joousujety.govt.nzjor registration conation | | |
|---|-----------------|--|
| | MACRO MINERALS: | |

| Per 300g daily ration | |
|-----------------------|-------|
| Magnesium | 15gm |
| Calcium | 56gm |
| Phosphorus | 3gm |
| TRACE MINER | ALS: |
| Copper (organic) | 125mg |
| Cobalt | 25mg |
| Zinc | 850mg |
| Selenium | 10mg |
| lodine | 32mg |



OPTIMATE[™]**VITAL**

Essential all year round



ABOUT OPTIMATE" VITAL: • Optimate[™] is a registered toxin binder

- Dispersible granule for easy distribution
- Suitable for Sheep, Goats, Cows and Pigs

DIRECTIONS FOR USE:

- Feed via silo, mixer wagon, in-shed feeder or on feed pads
- Suitable with maize and grass silage, dairy meal, dairy blends
- Feed 100 to 300 grams per cow/per day or 1 to 2% of daily intake



OPTIMATE[™]**PROTECT**

Facial eczema and heat stress protection



• Aid in prevention of facial eczema

ACVM Registered Zinc Oxide, No.A011756

ABOUT OPTIMATE[™] PROTECT:

- Minimise the impact of heat stress
- Simple to use dispersible granule
- Contains daily supplement of calcium, magnesium and phosphorus

DIRECTIONS FOR USE:

- Feed **Optimate[™] Protect** via silo, mixer wagon, in-shed feeder or on feed pads
- Suitable with maize and grass silage dairy meal, dairy blends
- 300 grams per day per cow (500kg liveweight)
- Suitable for use for lactating dairy cows

Optimate[™]ACVM Registration Number A011800 See www.foodsafety.govt.nz for registration conditions 200mg Organic chromium MACRO MINERALS: Magnesium 15gm 56gm Calcium 3.am

INGREDIENTS:

| Phosphorus | Sgill |
|------------|---------|
| Zinc oxide | 13.75gm |
| | |

INGREDIENTS:

Optimate[™]ACVM Registration Number A011800 See www.foodsafety.govt.nz for registration conditions

Bentonite

OPTIMATE[™] HOOF RESCUE

Organic minerals, vitamins & amino acids



- Biotin is necessary for synthesis of keratin, a hard structural protein in horns and hooves
- Myco-toxin binding for animal health and balancing rumen PH. Acidosis can contribute to laminitis
- Optimate[™] is a registered toxin binder

DIRECTIONS FOR USE:

- Feed Optimate[™] Hoof Rescue via mixer wagon, trough feeder or mixed on feed pads.
- Suitable with maize and grass silage dairy meal, dairy blends.
- Feed 60 120 grams per cow, per day.
- Suitable for use for lactating dairy cows

PACK SIZE: 20 KG / 1 TONNE

OPTIMATE[™]**ADVANTAGE**

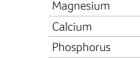
Giving your herd a **top advantage** for health & performance



ABOUT OPTIMATE[™] ADVANTAGE:

- Dispersible granule for easy distribution
- Includes magnesium, calcium and five essential trace minerals • Includes amino acid, l-methionine, which enhances protein synthesis and essential for absorption of selenium and zinc • Includes organic source of chromium to help improve glucose use and reduces the negative impacts of heat
- **DIRECTIONS FOR USE:**
- Feed **Optimate™ Advantage** via silo, mixer wagon, in-shed feeder or on feed pads
- Suitable with maize and grass silage, dairy meal, dairy blends
- Feed 230 grams per cow, per day
- Only to be fed to lactating dairy cows

PACK SIZE: 20 KG / 1TONNE



ABOUT OPTIMATE" HOOF RESCUE:

INGREDIENTS:

Optimate[™]ACVM Registration Number A011800 See www.foodsafety.govt.nz for registration conditions

| MACRO MINERALS: Per 60g maintenance daily ration | |
|---|----------------|
| Biotin | 10mg |
| Zinc | 500mg |
| Chromium | 417mg |
| Methionine | 720mg |
| MACRO MINER Per 120g stress period | |
| | |
| Biotin | 20mg |
| Zinc | 20mg 1000mg |
| | |



| Optimate [™] ACVM Registration Number A011800 See www.foodsafety.govt.nz for registration conditions | | |
|---|-------|--|
| Organic chromium | 110mg | |
| MACRO MINERA Per 230g daily ration | LS: | |
| Magnesium | 10gm | |
| Calcium | 30gm | |
| TRACE MINERALS: | | |
| Copper (organic) | 150mg | |
| Cobalt | 15mg | |
| Zinc | 950mg | |
| Selenium | 6mg | |
| lodine | 19mg | |
| Methionine | 720mg | |
| | | |

INGREDIENTS:



MAXIMIN[™] Maximise **productivity**



ABOUT MAXIMIN™:

- Dispersible granules for easy distribution
- Includes magnesium, calcium, phosphorus and trace minerals
- Includes monensin sodium at 300mg per dose (1.5g Rumensin[®] 20% Millmix ACVM Act A009107)

DIRECTIONS FOR USE:

- Feed Maximin[®] via silo, mixer wagon, in-shed feeder or on feed pads
- Suitable with maize and grass silage dairy meal, dairy blends
- Feed 300 grams per cow, per day (500kg liveweight)
- Suitable to be fed to lactating dairy cows



MAXIMIN[™] PROTECT

PACK SIZE: 20 KG | 1TONNE

Maximise productivity and protection



ABOUT MAXIMIN[™] PROTECT:

- Aid in prevention of facial eczema
- Minimise the impact of Heat Stress
- Dispersible granules for easy distribution
- · Aids in the control of ketosis, prevention and control of coccidiosis caused by Eimeria bovis and Eimeria zuernii and aids in the reduction of bloat

DIRECTIONS FOR USE:

- Feed 300 grams per cow, per day (500kg liveweight)
- Do not exceed the recommended dose rate. Knowing animal liveweight is important as for zinc to be effective it needs to be administered at 2.75g of Zinc Oxide per 100kg liveweight
- For best results start regular Zinc treatment two weeks before conditions normally occur until cooler winter conditions (Dec to April)

INGREDIENTS:

INGREDIENTS: Optimate[™]ACVM Registration

MACRO MINERALS:

15gm

52gm

3gm

6gm

300mg

125mg

25mg

850mg

10mg

32mg

20mg

Number A011800 See www.foodsafety.govt.nz for re

Magnesium Calcium

Phosphorus

Monensin Sodium

Copper (organic)

TRACE MINERALS:

Sodium

Cobalt

Selenium

lodine

Biotin

Zinc

Optimate[™]ACVM Registration Number A011800

See www.foodsafety.govt.nz for regist

| Organic chromium | 200mg | |
|---------------------------------------|---------|--|
| MACRO MINERA Per 300g daily ration | ALS: | |
| Calcium | 52gm | |
| Magnesium | 19gm | |
| Zinc Oxide | 13.75gm | |
| Phosphorus | 3gm | |
| Sodium | 6gm | |
| Monensin Sodium | 300mg | |
| TRACE MINERALS: | | |
| Copper (organic) | 125mg | |
| Cobalt | 25mg | |
| Zinc | 850mg | |
| Selenium | 10mg | |
| lodine | 32mg | |
| Biotin | 20mg | |

MAIZE BALANCER

Bridging the gap for **peak performance**



ABOUT MAIZE BALAN

DIRECTIONS FOR USE:

- Feed Maize Balancer via silo, mixer wagon, in-shed feeder or on feed pads
- Suitable with maize and grass silage dairy meal, dairy blends
- Suitable for Lactating Dairy Cows only. Not to be fed 4-6 weeks prior to calving due to the high level of calcium.



| Ν | С | E | R: | |
|---|---|---|----|--|
| | | | | |

 Includes supplementary calcium, magnesium, and sodium • Helps naturally balance out mineral imbalances in the diet • Supports overall health and vitality of lactating dairy cows

| INGREDIENT | S: | |
|--|------|--|
| Calcium, sodium, magnesium | | |
| MACRO MINERALS: A 200g feed rate will contain | | |
| Calcium | 50gm | |
| Sodium | 15gm | |
| Magnesium | 15gm | |

ENRICHES DIETS

heavy in maize silage, whole crop silage, greenfeed, PKE & or pasture silage.



OPTISOLVE[™]5

Water soluble trace elements for **optimal health and performance**



ABOUT OPTISOLVE^{**5}:

- Trace elements for dairy cows for optimal health and performance
- Dissolves in water
- Effective method of getting critical trace elements into your dairy herd

DIRECTIONS FOR USE:

- Dosage rate 5 grams per cow per day
- Suitable for dosing into stock drinking water through Dosatron, Se-Tech, Grundfos - dose pumps and in-shed drenching systems



INGREDIENTS:

MACRO MINERALS:

Selenium

lodine

Zinc

Copper chelated

Cobalt chelated

10mg

250mg

25mg

30mg

1000mg

PACK SIZE: 20 KG



designed as animal feed supplements; supporting the health, growth, and performance of livestock.

OPTISOLVE[™] MULTX ORIGINAL

Premium seaweed-enhanced animal health formulation



ABOUT OPTISOLVE^{TMULTX} ORIGINAL:

- Especially useful to support fertility and mating
- Enhance animal health and wellbeing

 - Blended ready to use

DIRECTIONS FOR USE:

The thick concentrated solution can be diluted with water on a 50:50 mixture - but ensure the required amount is administered.

RANGE OF NUTRITIONAL BENEFITS:

OPTISOLVE™ MULTX ORIGINAL contains a triple blend of selected seaweeds as a prebiotic loaded with vitamins and minerals. Together with non-protein nitrogen (NPN) the blend provides a range of nutritional benefits helping to promote optimal growth, health and resiliency during times of stress.

OPTISOLVE™ MULTX 5-IN-1

The power of seaweed and **boosted** with **fulvic**, **folic** and **iodine**



ABOUT OPTISOLVE[™] MULTX 5-IN-1:

- Especially useful to support fertility and mating • Fulvic acid can enhance the bio-availability and absorption of
- other nutrients
- · Prebiotic loaded with vitamins and minerals on a kelp base • Folic acid and lodine are both essential for healthy cell growth

DIRECTIONS FOR USE:

BETTER REPRODUCTIVE PERFORMANCE:

healthy cell growth and development.

- Prebiotic loaded with vitamins and minerals on a kelp base

INGREDIENTS:

Seaweed - Ascophyllum, Laminaria, Sargassum Seaweeds

Trace elements: Non protein nitrogen

Note: Seaweed contains an array of trace elements and amino acids



- The thick concentrated solution can be diluted with water on a 50:50 mixture - but ensure the required amount is administered.
- Fulvic, folic, and iodine can all contribute to improved reproductive performance in animals by promoting healthy reproductive cell development, protecting reproductive cells and maintaining thyroid function. Folic acid and iodine are both essential for

INGREDIENTS:

Seaweed - Ascophyllum, Laminaria, Sargassum Seaweeds

Trace elements: Non protein nitrogen Fulvic acid, Folic acid, Iodine

Note: Seaweed contains an array of trace elements and amino acids



HERD



STOCKROCK[®] IS NZ ZEOLITE, QUARRIED AT NGAKURU, SOUTH OF ROTORUA.

Zeolite is a lightweight, soft sedimentary rock that we use as race rock to help prevent cow lameness.

Following seismic events, the ash is compressed and then, activated by geothermal water to produce an 'altered clay'. Our zeolite is a lighter rock, meaning there is more volume per tonne than traditional race rock.

FEATURES OF STOCKROCK®:

- A lightweight rock meaning it goes further for your money, and it lasts longer
- Lasts up to to 5 years depending on cow traffic
- Compared to race alternatives **StockRock** goes further per tonne

THE COST OF LAME COWS

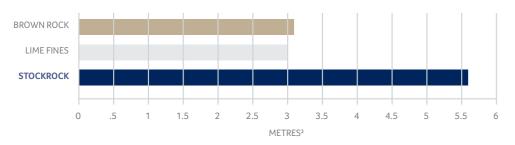
Lameness can cause a decrease in the cow's ability to graze, a loss of milk production (and income), lowered reproductive performance, an increase in the chance of being culled and the additional costs of veterinary treatment.

Dairy NZ provides an online Healthy Hoof Lameness Calculator, below we show a rudimentary calculation based on a 400 cow herd with 10% lameness.

| LOSS OF INCOME FROM | \$ PER LAME COW | \$ PER FARM |
|---|-----------------|-------------|
| Loss of milk solids production (@\$7.15 kg/ms) | \$557.00 | \$22,288.00 |
| Cost of treatment (by farm workers and/or vets), culling, wastage (discarded milk) | \$560.00 | \$22,400.00 |
| Impact on reproductive performance (decrease of six- weeks in-calf rate and increase empty rate) | \$111.00 | \$4,440.00 |
| TOTAL \$ LOST THROUGH LAMENESS | \$1,228.00 | \$49,128.00 |

ECONOMICALLY STOCKROCK STACKS UP!

The below graph shows the distance covered by 1 tonne of race rock options - assuming 200 mm depth:





Milks herd of 500 North of Mangakino

"Some of our **StockRock** has been down 10 years now. We do a little more each year.

Some parts were really muddy with a spring underneath and **StockRock** sorted the

problem over night.

We were having 1 to 2 lame cows a day, now that is more like 1 to 2 a week, not sure of that percentage, but it is a great improvement."

StockRock is available from **BPM** P 0800 88 55 55 stockrock.co.nz



Before



Before - farm race in wet conditions before STOCKROCK® is laid.



After

After - completed STOCKROCK® farm race.



ZORBIFRESH[™]

Absorbent bedding conditioner



ABOUT ZORBIFRESH[™]:

- 100% natural mineral
- Absorbent to 199% of it's weight, soaking up ammonia and moisture, leaving bedding dryer
- Reduces pathogenic load in shed and reduces ammonia in environment for healthier conditions for animals and staff

DIRECTIONS FOR USE:

- Apply initially at 500 gm/m2 on a weekly basis
- Regularity of application may need to be altered depending upon animal density and seasonal aspects with dryer or wetter periods
- Can be spread mechanically with a fertiliser or ATV spinner at the recommended application rates or manually spread by hand





"The shavings usage in the zeolite barn was ²/₃ the volume of the non ZorbiFresh barn to maintain the same appearance and we have very high standards.

The ammonia levels have been less in the **ZorbiFresh** barn throughout the period we have been monitoring."

INGREDIENTS:

Natural BPM zeolite from New Zealand

HOW ZORBIFRESH[™] ACTIVE WORKS IN YOUR BARN

For the health and wellbeing of animals and staff it is important to soak up moisture and ammonia and to kill bacteria such as Staph aureus and E. coli - this is exactly what **ZorbiFresh[™]Active** is designed to do.

Reduces moisture: ZorbiFresh[™]Active absorbs up to 199% of its weight in moisture

Works against bacteria: Proven to kill bacteria such as Staph aureus and E. coli at 100% kill rate within 1 hour

Reduces odour: By absorbing ammonia from the bedding ZorbiFresh[™]Active greatly reduces the odour in the barn

Safer environment: ZorbiFresh™Active is a more natural way to absorb moisture and ammonia and to kill bacteria for a safer environment for staff and animals

BACTERIAL **KILL RATES:**

100% effective against Staph aureus and E. coli after 1 hour exposure

ZORBIFRESH[™]ACTIVE

Reduce bacteria, ammonia and moisture in bedding



ABOUT ZORBIFRESH[™]ACTIVE:

- · A bedding additive for cows, calves, equine and swine
- Absorbs up to 199% of its weight in moisture
- Reduces odour for a safer environment
- Starts killing bacteria (including Staph aureus and E. coli) as soon as it is applied and keeps killing beyond 24 hours

DIRECTIONS FOR USE:

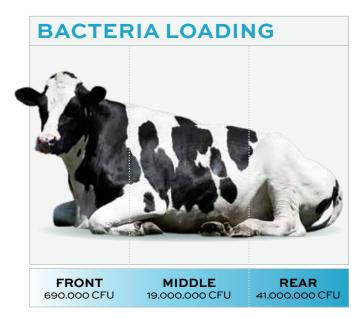
From 250 grams to 500 grams per square meter of animal bedding.

KEEP PENS CLEAN & DISEASE FREE

to keep calf pens clean and disease free, and is also highly effective in larger doses post a bacterial outbreak.

PACK SIZE: 20 KG





Organic soiling of the bedding 100% kill after 24 hours exposure

INGREDIENTS:

Natural BPM zeolite from

New Zealand

Oxone

- ZorbiFresh[™] Active can be used as part of a regular process

ZorbiFresh Active kills bacteria such as Staph aureus and E. coli and other gram negative and gram positive bacteria.







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