Masterfeeds Dairy Nutrition
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Dairy Nutrition

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GROBER NUTRITION

GRO-TECH I

HIGH FAT MILK REPLACER

FOR STRONG HEALTH & GROWTH IN DAIRY CALVES

Strong calves from the start.

This first edition of the Gro-Tech milk replacers is high in fat to promote strong and healthy dairy calves. It can be used year-round or when maintenance requirements are higher, such as in times of cold weather.

Within the first few weeks of life, young calves' potential to reach optimum health, growth, and maximum udder development is determined. Gro-Tech's high plane of nutrition can accelerate a young calf to reach their potential for superior health, wellbeing, and future milk production, right from the start.

- *designed to allow calves to obtain high average daily gains*
- *provides a bend of essential fats and additives for energy*
- *contains All-Brew® for enhanced immunity*



Formulated with Solutions from Alltech®

Have a question?
Email dairy@masterfeeds.com

MILK REPLACER

GRO-TECH I

HIGH FAT MILK REPLACER

FOR STRONG HEALTH & GROWTH IN DAIRY CALVES

Gro-Tech I High Fat Milk Replacer is designed to provide calves with a digestible diet, free of pathogens to support their nutritional needs for steady live weight gain. Gro-Tech I has a high fat content and can be used year-round or when maintenance requirements are higher, such as in times of cold weather.

Along with the highest quality blend of fats, which provide readily-available energy to the calf, All-Brew® has been added to promote gut cell proliferation and overall digestive health – key to helping calves fight off infection and to improve digestion. Organic chelated minerals, which are included for their bioavailability.

FEEDING DIRECTIONS:

1. Weigh 150 g of powder per litre of solution using a scale.
2. Mix with 0.5 L hot water (60˚C) for three minutes.
3. Add 0.45 L cool water and mix for one minute (total 1.0 L).
4. Feed the milk solution at a temperature of 38 to 40˚C (body temperature) (thermometer provides best results).

SUGGESTED FEEDING SCHEDULE FOR A 45 KG CALF

Age of calf	Litres/feeding	Number of feedings/day
Day 1 Colostrum: 4L within 2hrs birth and 2L within 6-8 hrs		
Days 2 - 7	2	3
Weeks 2 - 6	3 - 4	2
Weeks 7 - 8	3 - 4	1

This feeding schedule has been designed in accordance with NRC, 2001. This schedule is only a guideline and should be adjusted to the needs of the calf.

AUTOMATIC FEEDING MACHINES:

This product has been designed for use in automatic milk feeding machines. Mixing temperatures should be set between 40 and 42°C. Calibration is recommended regularly and especially when switching to a different product lot (date code on side of bag).

FEATURES & BENEFITS:

Chelated minerals. *For increased absorption.*

Contains All-Brew® (manno-oligosaccharides). *Ties up gram-negative bacteria in the gut; carries infectious organisms out of the animal thus reducing the challenge of infection; enhances immunity.*

High levels of vitamins & minerals, especially vitamin E. *Improves calf health.*

Blend of essential oils. *Optimizes energy availability and digestion.*

This feed contains added Selenium at 0.3 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	22.0%
Protein from Milk Sources	22.0%
Crude Fat (minimum)	20.0%
Crude Fiber (maximum)	0.15%
Ash (maximum)	7.5%
Calcium (actual)	0.95%
Sodium (actual)	0.6%
Phosphorus (actual)	0.7%
Vitamin A (minimum)	40,000 IU/kg
Vitamin D_3 (minimum)	4,000 IU/kg
Vitamin E (minimum)	150 IU/kg

Net Weight 20 kg
Product #: 400020

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Dairy Nutrition

GROBER® NUTRITION

GRO-TECH II
MILK REPLACER

FOR OPTIMUM HEALTH & GROWTH IN DAIRY CALVES

Grow healthier calves.

This second edition of the Gro-Tech milk replacers is designed to provide calves with a proper blend of highly digestive nutrients to obtain significant average daily gains. It is suited to calves in climate-controlled housing or during the summer when maintenance requirements are low.

Gro-Tech milk replacers are designed to enhance the genetic potential of calves. This line of products blends the latest in nutritional research and manufacturing technology and offers supreme digestibility and animal-growth performance. All this with sound economics and value.

- ***designed to allow calves to obtain high average daily gains***
- ***provides a bend of essential fats and additives for energy***
- ***contains All-Brew® for enhanced immunity***



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Have a question?
Email dairy@masterfeeds.com

MILK REPLACER

GRO-TECH II

MILK REPLACER

FOR OPTIMUM HEALTH & GROWTH IN DAIRY CALVES

Gro-Tech II Milk Replacer is designed to provide calves with a proper blend of highly digestible nutrients to obtain significant average daily gains. Gro-Tech II is more suited to calves in climate-controlled housing or during the summer when maintenance requirements are lower. To optimize calf growth, a high protein to fat ratio, as well as a combination of highly available minerals, allows this highly developed milk replacer to provide the right nutrients to young calves to meet their needs in the pre-ruminant stage, while properly supporting the transition to a grain diet through elevated protein and a gradual weaning program.

FEEDING DIRECTIONS:

1. Weigh 150 g of powder per litre of solution using a scale.
2. Mix with 0.5 L hot water (60˚C) for three minutes.
3. Add 0.45 L cool water and mix for one minute (total 1.0 L).
4. Feed the milk solution at a temperature of 38 to 40˚C (body temperature) (thermometer provides best results).

SUGGESTED FEEDING SCHEDULE FOR A 45 KG CALF

Age of calf	Litres/feeding	Number of feedings/day
Day 1 Colostrum: 4L within 2hrs birth and 2L within 6-8 hrs		
Day 2 - 7	2	3
Weeks 2 - 6	3 - 4	2
Weeks 7 - 8	3 - 4	1

This feeding schedule has been designed in accordance with NRC, 2001. This schedule is only a guideline and should be adjusted to the needs of the calf.

AUTOMATIC FEEDING MACHINES:

This product has been designed for use in automatic milk feeding machines. Mixing temperatures should be set between 40 and 42°C. Calibration is recommended regularly and especially when switching to a different product lot (date code on side of bag).

FEATURES & BENEFITS:

Chelated minerals. *For increased absorption.*

Contains All-Brew® (manno-oligosaccharides). *Ties up gram-negative bacteria in the gut; carries infectious organisms out of the animal thus reducing the challenge of infection; enhances immunity.*

High levels of vitamins & minerals, especially vitamin E. *Improves calf health.*

Blend of essential oils. *Optimizes energy availability and digestion.*

This feed contains added Selenium at 0.3 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	22.0%
Protein from Milk Sources	22.0%
Crude Fat (minimum)	20.0%
Crude Fiber (maximum)	0.15%
Ash (maximum)	7.5%
Calcium (actual)	0.95%
Sodium (actual)	0.6%
Phosphorus (actual)	0.7%
Vitamin A (minimum)	40,000 IU/kg
Vitamin D_3 (minimum)	4,000 IU/kg
Vitamin E (minimum)	150 IU/kg

Net Weight 20 kg
Product #: 400021

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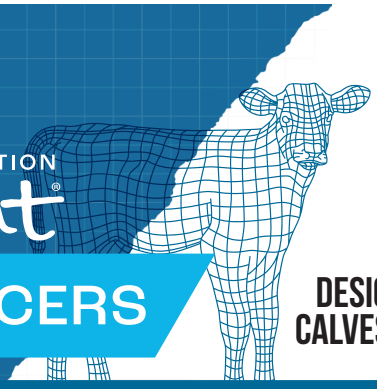
TARGETED NUTRITION

Blueprint®

MILK REPLACERS



For farming life.

Masterfeeds®

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DESIGNED FOR PRODUCERS WHO WANT HEALTHY GROWING CALVES TODAY AND HIGHER HERD PRODUCTIVITY TOMORROW.

- **IMPROVES GROWTH PERFORMANCE AND EFFICIENCY**
- **IMPROVES GUT HEALTH AND FUNCTION**
- **HELPS DEVELOP THE CALF'S NATURAL DEFENSE SYSTEM**
- **REDUCES RISK OF DISEASE AND MORTALITY**
- **INCREASES DAIRY PROFITABILITY**

FEATURES & BENEFITS:

100% Organic Trace Minerals

Elevated levels of vitamins

Promotes optimal health

Early health and growth, better lifetime productivity and achievement of genetic potential are the keys to successful dairy herds – our Blueprint® Milk Replacer was developed to give producers the best possible option in early calf rearing.

Blueprint® 26:18

PRODUCT # PLAIN – 400061/ DECCOX® – 400071

Masterfeeds Blueprint® Milk Replacer

Always provide adequate clean fresh water.
Contact your Masterfeeds Account Manager for specific feeding directions.

Blueprint® Milk Replacer 26:18 is made with high quality all-milk protein ingredients with essential amino acids added to achieve optimal growth performance. The fat content was specifically formulated to mimic the composition of mother's milk and provide calves with the essential fatty acids required for growth and health.

Designed for full-potential programs and farms looking to add weight to calves quickly and efficiently. The 18% fat level will aid in increasing body condition of stress-prone calves or calves in hutches over the winter.

At the core of Blueprint's® high plane of nutrition are unique natural solutions from Alltech including Actigen®, probiotics, essential oils/botanicals, 100% chelated minerals and elevated levels of vitamins.

Total Replacement Technology®
100% ORGANIC TRACE MINERALS

A better source – less mineral, really is **more mineral** working for your calves. **Bioplex® | Sel-Plex®**

Trace minerals are essential for life. Getting them into your animals is one thing, absorbing them efficiently for energy/fuel for optimal health and performance benefits, is another. There are two kinds of trace minerals – inorganic and organic. Essentially, the difference comes down to the rock form (inorganic), which has limited "bioavailability", compared to the natural plant-like form (organic), which has very high bioavailability – or the degree to which a nutrient in a feed is absorbed and metabolized by the animal – the better the bioavailability, the better the fuel that gets used by the animal.

Masterfeeds Blueprint® Milk Replacer is formulated with Total Replacement Technology™ (TRT) – 100% organic trace minerals that promote better absorption, retention and utilization in the digestive process. Modern management of mineral nutrition can take place at significantly lower inclusion levels which also corresponds with global environmental expectations of reduced mineral excretion.

TARGETED NUTRITION

Blueprint®

MILK REPLACERS



For farming life.

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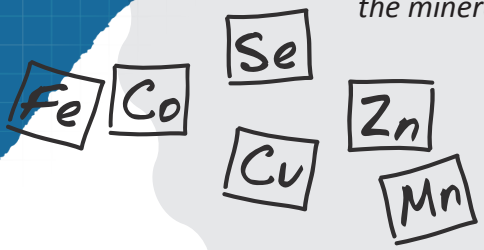
DAIRY CALF NUTRITION WITH TOTAL REPLACEMENT TECHNOLOGY®

Milk Replacers made with 100% organic trace mineral sources.

Masterfeeds Blueprint® Milk Replacers are formulated with Total Replacement Technology™ (TRT) – the innovation of chelated trace minerals in the form of Bioplex® and Sel-Plex®. This means that the minerals in these products will be better absorbed, stored and utilized by your calves.



Bioplex + Sel-Plex

Total Replacement Technology

Bioplex®

- Coated with amino acids to prevent reaction with each other

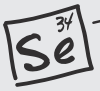
Bioplex® is a range of organic trace minerals.

Provides mineral nutrition in the form of zinc, copper, manganese, and iron as close to nature as possible.

Sel-Plex®

natural, organic Selenium

- naturally-occurring form
- works together with Vitamin E



an essential antioxidant for HEALTH

About Organic Minerals

When ***in****organic* minerals are fed to animals, they are poorly absorbed due to the interactions the metal ions have with each other, as well as the low pH in the gastrointestinal tract. A large portion are simply flushed right through the digestive system.

Organic minerals are protected from these negative interactions by ***chelation*** – they are absorbed and utilized much more efficiently and in much smaller amounts.

"Essential nutrients", including vitamins and minerals, must be obtained through diet because an animal cannot produce in sufficient quantities biologically. So, quite simply - a better mineral source, gives you better mineral absorbtion and better ability to turn those minerals into working energy.



BLUE MEDALLION 20% MEDICATED CALF STARTER RATION

FOR YOUNG CALVES RECEIVING A MILK REPLACER OR OF WEANING AGE

CALF STARTER

Masterfeeds Blue Medallion 20% Medicated Dairy Calf Starter Ration is a high quality, all natural 20% protein, steam-rolled ration that contains a blend of grains and source of digestible fiber, high levels of minerals and vitamins, natural and artificial flavors to enhance intake, and decoquinate as an aid in the prevention of coccidiosis.

WHO USES:

Blue Medallion 20% Dairy Calf Starter is to be fed in small amounts to young calves receiving a milk replacer or of weaning age. It is designed to get calves onto dry feed, therefore accelerate rumen development and enhance rumen function. It will economically increase growth rates and will prepare the young calf for future growth stages such as breeding age.

FEEDING DIRECTIONS:

Blue Medallion 20% steam rolled Calf Starter ration is to be fed continuously for at least 28 days during periods of coccidiosis or when it is likely to be a hazard. Provide this feed at a level which when fed as directed will provide 0.5 mg decoquinate per kg body weight per day. Consult the following feed table for further feeding instructions. The following directions are to be used whether the calf is receiving a milk replacer or weaned. For further feeding instructions, contact your local Masterfeeds Account Manager.

Age of Calf (days)	Weight of Calf (kg)	Intake of 20% SR Calf Ration (kg)
4 – 10	40 – 50	0.4 – 0.5
10 – 35	50 – 75	0.5 – 0.75
35 – 42	75 – 100	0.75 – 1.0

FEATURES & BENEFITS:

20% all natural protein. *High protein to support high rates of lean growth.*

Contains only steam-rolled corn and oats, no barley. *Formulated with highly digestible sources of energy and fiber for young calves.*

Formulated with high levels of vitamins A, D, and E as well as B-vitamins. *Increases performance and enhances the immune system against disease.*

Contains high molasses levels and caramel flavoring. *Encourages intake.*

Decoquinate at 50 mg/kg.
Provides protection against cocciodiosis.

This feed contains added Selenium at 0.30 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	20.0%
Crude Fat (minimum)	3.0%
Crude Fiber (maximum)	6.5%
Calcium (actual)	0.8%
Phosphorus (actual)	0.6%
Salt (actual)	0.70%
Sodium (actual)	0.30%
Vitamin A (minimum)	25,000 IU/kg
Vitamin D_3 (minimum)	4,000 IU/kg
Vitamin E (minimum)	100 IU/kg

Net Weight 20 kg
Product #: 406324

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CALF STARTER

TARGETED NUTRITION Blueprint®

Calf Rearing Program

Formulated to support immunity, optimize calf growth rates and achieve full genetic & profit potential.

Blueprint's Calf Rearing Program is a unique and effective approach to dairy nutrition, designed with cutting-edge solutions. When used as key elements in a well-managed calf nutrition program, Blueprint Calf Starter and Calf Grower can optimize efficiency and calf growth rates and support immunity, thus contributing to increased profit potential.

At the core of the Blueprint product line are Nutrigenomics, which study how nutrition affects animals at the gene level. Our concept of nutrients continues to expand, allowing us to provide diets with both functional and nutritional characteristics. Blueprint Nutrition contains the ingredients needed to shift nutrient profiles in practical diets toward more functional, usable forms that better meet animal needs.

Blueprint, formulated with Alltech solutions and manufactured by Masterfeeds, is designed to work synergistically to help dairy calves reach their full genetic potential.

25%
of a dairy calf's
LIFETIME WEIGHT
gain
AND
50%
OF
LIFETIME HEIGHT
gain
occur in the first
6 MONTHS
of life.

WHY CHOOSE BLUEPRINT®:

- Full expression of animal's genetic potential
- Maximize lifetime performance
- Encourage dry matter intake
- Aid nutrient utilization
- Support normal development and bone formation
- Support calf's defense system

FEEDING & MANAGEMENT NOTES:

Contact your Masterfeeds Account Manager for specific feeding directions.

FEATURES & BENEFITS:

Total Replacement Technology. 100% organic trace minerals supporting absorption, retention and utilization.

Starter – 20% textured or 22% pellet/ Grower – 18% textured and pelleted options available. Improves calf acceptability and feed consumption per unit.

High level of digestible nutrients. Supplies the appropriate nutrients required for rumen development and optimum growth rates.

Highly palatable. Promotes increased intake.

Medicated options available. With Deccox® or Monensin® to aid in the prevention of coccidiosis.

THE BLUEPRINT FOR PERFORMANCE THROUGH NUTRITION:

Highly efficient trace mineral fortification

Promotes reproductive performance

Supports the body's natural defense system

Supports antioxidant health status



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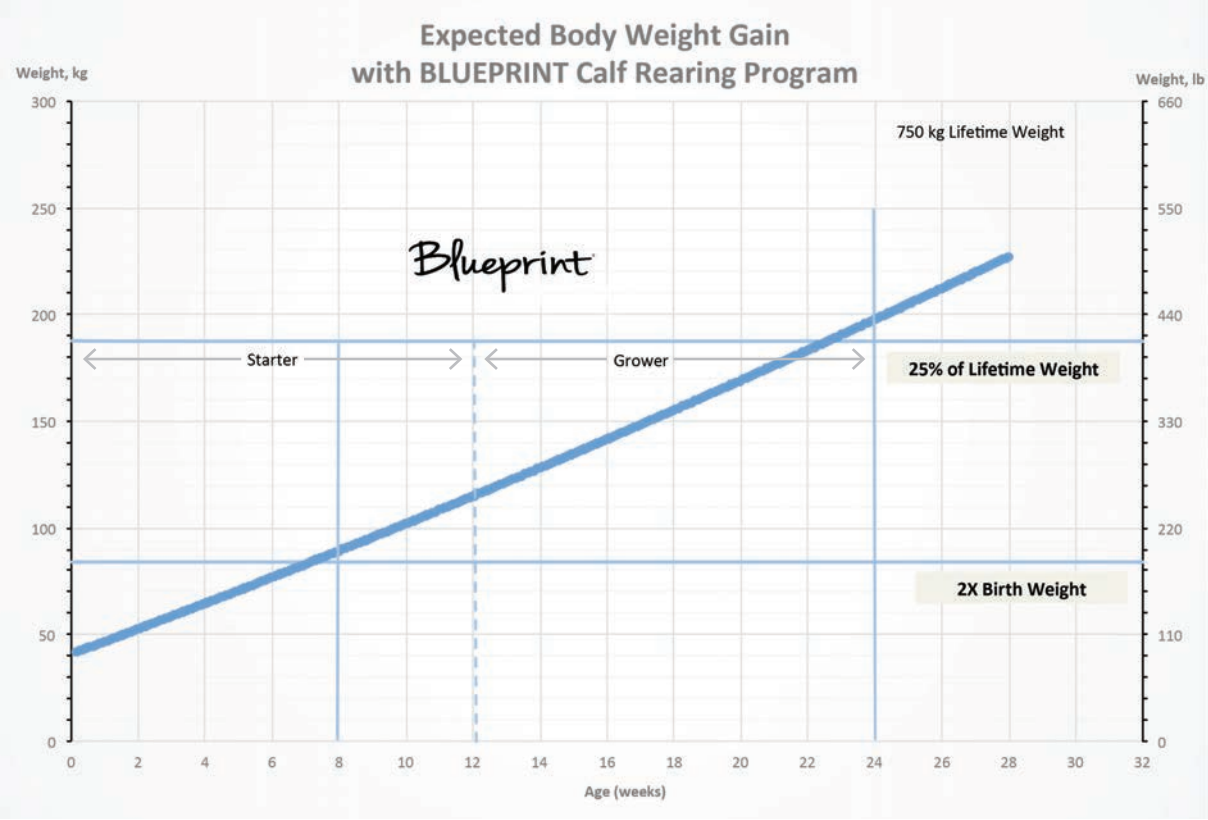
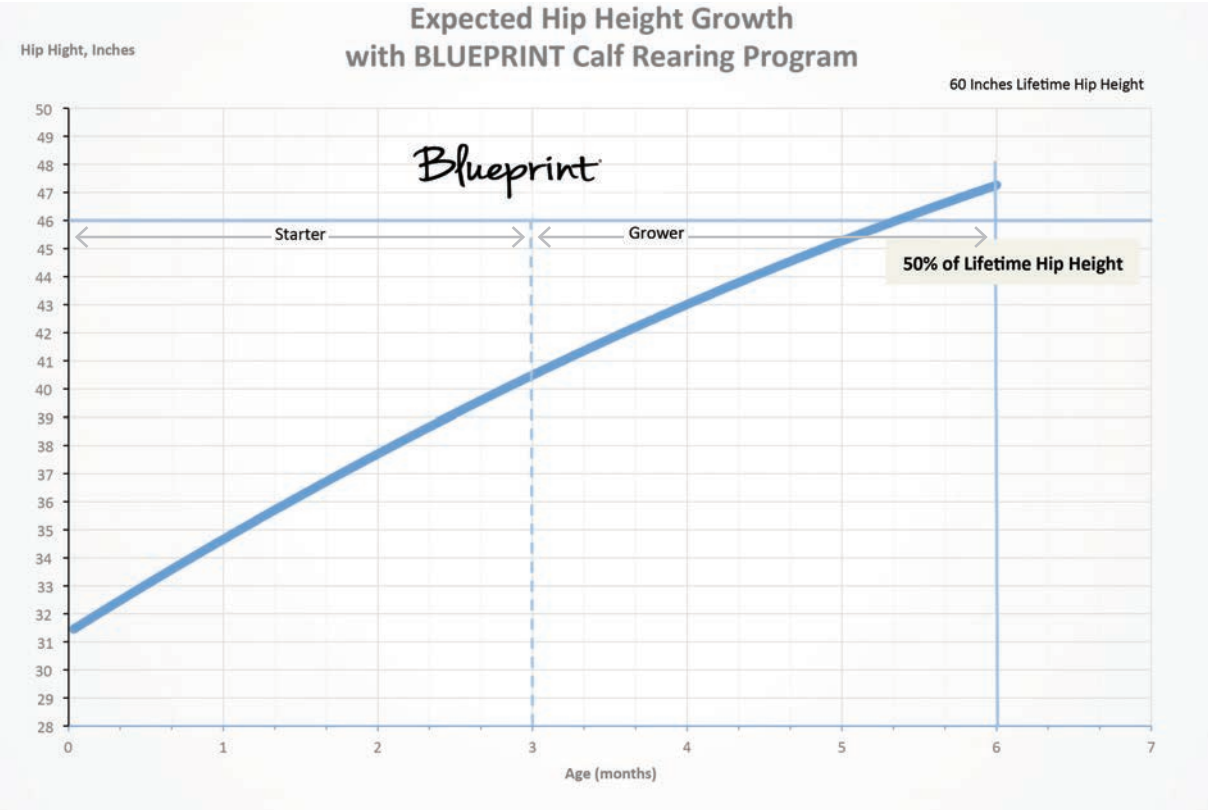
TARGETED NUTRITION Blueprint® Dairy

Calf Rearing Program





Formulated with Solutions from Alltech®

TARGETED NUTRITION Blueprint® Dairy

20% or 22% Calf Starters

Formulated to support immunity and optimize calf growth rates

Masterfeeds Blueprint® 20% or 22% Calf Starters are a unique and effective approach to dairy cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced dairy genetics.

Feeding & Management Notes:

For use in dairy calves, Blueprint® 20% or 22% Calf Starter Rations are to be fed in small amounts to young calves receiving a milk replacer or of weaning age. They are designed to get calves onto dry feed, therefore accelerating rumen development and enhancing rumen function. These starters will economically increase growth rates and will prepare the young calf for future growth stages such as breeding age.

Provide adequate clean fresh water. Contact your Masterfeeds Account Manager for specific feeding directions.

Features & Benefits:

Alltech's Total Replacement Technology™ (TRT).
Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.

Enhanced levels of vitamins A, D, & E.
For growth and overall optimal health.

Highly palatable.
Promotes increased intake.

Medicated options available.
With Monesin or Deccox® to prevent coccidiosis .

Pelleted or textured formulas available.
Promotes intake and digestibility while decreasing sorting.

This feed contains added Selenium at 0.3 mg/kg.

Guaranteed Analysis 20%:

Crude Protein (minimum)	20.0%
Crude Fat (minimum)	3.0%
Crude Fibre (maximum)	18.0%
Calcium (actual)	1.0%
Phosphorus (actual)	0.5%
Sodium (actual)	0.23%
Vitamin A (minimum)	50,000 IU/kg
Vitamin D (minimum)	5,000 IU/kg
Vitamin E (minimum)	110 IU/kg

Guaranteed Analysis 22%:

Crude Protein (minimum)	22.0%
Crude Fat (minimum)	2.5%
Crude Fibre (maximum)	13.0%
Calcium (actual)	1.0%
Phosphorus (actual)	0.5%
Sodium (actual)	0.23%
Vitamin A (minimum)	40,000 IU/kg
Vitamin D (minimum)	5,000 IU/kg
Vitamin E (minimum)	110 IU/kg

Net Weight 25 kg

Product #: 20% Textured Plain – 406470 | Monensin – 406471 | Deccox® – 406482
22% Pellets Plain – 406460 | Monensin – 40646001 | Deccox® – 40646002

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TARGETED NUTRITION Blueprint® Dairy

18% Dairy Calf Grower

Formulated to support immunity and optimize calf growth rates

Masterfeeds Blueprint® 18% Dairy Calf Grower is a unique and effective approach to dairy cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced dairy genetics.

Feeding & Management Notes:

For use in dairy calves, Blueprint® 18% Dairy Calf Grower Ration is to be fed from three to six months of age at a rate of 3.0 to 4.5 kg per day with free-choice good quality forage. It will economically increase growth rates and will prepare the young calf for future growth stages such as breeding age.

Provide adequate clean fresh water. Contact your Masterfeeds Account Manager for specific feeding directions.

Features & Benefits:

Alltech's Total Replacement Technology™ (TRT).
Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.

Enhanced levels of vitamins A, D, & E.
For growth and overall optimal health.

Highly palatable.
Promotes increased intake.

Medicated options available.
With Monesin or Deccox® to prevent coccidiosis .

Pelleted or textured formulas available.
Promotes intake and digestibility while decreasing sorting.

This feed contains added Selenium at 0.3 mg/kg.

Guaranteed Analysis:

Crude Protein (minimum)	18.0%
Crude Fat (minimum)	2.5%
Crude Fibre (maximum)	14.0%
Calcium (actual)	0.8%
Phosphorus (actual)	0.45%
Sodium (actual)	0.23%
Vitamin A (minimum)	18,000 IU/kg
Vitamin D (minimum)	3,000 IU/kg
Vitamin E (minimum)	60 IU/kg

Net Weight 25 kg

Product #: Pellets Plain – 406461 | Monensin – 40646101 | Deccox® – 40646102
Textured Plain – 406475 | Monensin – 406476 | Deccox® – 406477

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TARGETED NUTRITION Blueprint® Dairy

16% Dairy Grower Supplement

Formulated to develop dairy heifers

Masterfeeds Blueprint® 16% Dairy Grower Supplement is a unique and effective approach to dairy cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced dairy genetics.

Feeding & Management Notes:

For use in dairy calves, Blueprint® 16% Dairy Grower Supplement is to be mixed with on-farm grains and fed from 24 weeks of age at a rate of 1.8% body weight with free-choice good quality forage. It will economically increase growth rates and will prepare the young calf for future growth stages such as breeding age.

Provide adequate clean fresh water. Contact your Masterfeeds Account Manager for specific feeding directions.

Sample Ration:

Ingredient	Amount	
Supplement	600	kg
Dyna-K®	5	kg
Beet Pulp	200	kg
Barley	195	kg
TOTAL	1,000	kg

Features & Benefits:

Alltech's Total Replacement Technology™ (TRT).
Achieved through the inclusion of 100% chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.

Enhanced levels of vitamins A, D, & E.
For growth, reproduction and overall health.

Highly palatable.
Promotes increased intake.

Medicated.
With Monesin to prevent coccidiosis .

Pelleted formula.
Promotes intake and digestibility while decreasing sorting.

This feed contains added Selenium at 50 mg/kg.

Guaranteed Analysis:

Crude Protein (minimum)	16.0%*
Crude Fat (minimum)	4.0%
Crude Fibre (maximum)	14.0%
Calcium (actual)	1.3%
Phosphorus (actual)	0.65%
Magnesium (actual)	0.4%
Sulfur (actual)	0.3%
Sodium (actual)	0.25%
Potassium (actual)	0.65%
Iodine (actual)	1.8 mg/kg
Iron (actual)	270 mg/kg
Copper (actual)	25 mg/kg
Manganese (actual)	55 mg/kg
Zinc (actual)	70 mg/kg
Cobalt (actual)	1.5 mg/kg
Fluorine (maximum)	75 mg/kg
Vitamin A (minimum)	29,000 IU/kg
Vitamin D (minimum)	4,800 IU/kg
Vitamin E (minimum)	80 IU/kg

** Equivalent Crude Protein from non-protein nitrogen (max%) 1.1.*

Net Weight 25 kg
Product #: 43060S

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COMPLETE FEED – PLAIN OR MEDICATED

BLUE MEDALLION TRT HEIFER GRO 18% COMPLETE FEED (PLAIN OR MEDICATED)

COMPLETE BLEND OF NUTRIENTS FOR DEVELOPING DAIRY HEIFERS

Blue Medallion TRT Heifer Gro 18% Complete Feed extends the growth benefits achieved in superior calf feeding programs, keeping heifers growing through breeding to pre-fresh so they can more easily transition into the lactating herd. Blue Medallion TRT Heifer Gro 18% Complete Feed conveniently offers a blend of nutrients replacement dairy heifers need for optimal development.

GUIDELINES FOR USE:

1. Begin feeding Blue Medallion TRT Heifer Gro 18% Complete Feed to heifers as they reach 24 weeks of age and continue use through breeding.
2. Feed at a rate of 0.85% of body weight.
   For example: a 350 kg heifer would receive 3 kg of Blue Medallion TRT Heifer Gro 18%.
3. Feed as part of a balanced heifer ration along with adequate amounts of good quality forage and fresh, clean water.

FEATURES & BENEFITS:

Feeding a balanced ration helps avoid overfeeding and underfeeding heifers, and proper nutrition may potentially reduce breeding challenges, calving difficulties and early lactation metabolic problems.

Pellets. *18% high quality protein.*

Complete feed. *Provides essential protein, energy, key vitamins and readily available minerals needed for optimal heifer growth and development.*

Ideal for operations that raise heifers either on pasture or in a controlled environment.

Alltech's Total Replacement Technology (TRT)™. *Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.*

Contains Optigen®. *Provides sustained availability of ammonia to the rumen environment, resulting in enhanced microbial protein production, fiber digestion and efficient rumen nitrogen capture.*

NOTE:

Blue Medallion TRT Heifer Gro 18% Complete Feed is also available medicated with Rumensin®.

This feed contains added Selenium at 0.9 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	18.0%*
Crude Fat (minimum)	3.6%
Crude Fibre (maximum)	11.0%
Calcium (actual)	1.4%
Phosphorus (actual)	0.7%
Sodium (actual)	0.4%
Vitamin A (minimum)	27,000 IU/kg
Vitamin D (minimum)	4,500 IU/kg
Vitamin E (minimum)	160 IU/kg

** Equivalent Crude Protein from non-protein sources (max%) 1.0.*

Formulated with Solutions from Alltech®

Net Weight 25 kg
Product #: PLAIN – 401481
MEDICATED – 401482

Masterfeeds® Dairy Nutrition
an Alltech® company

BLUE MEDALLION TRT 32% SUPPLEMENT (PLAIN OR MEDICATED)

CONCENTRATED SOURCE OF NUTRIENTS FOR DEVELOPING DAIRY HEIFERS

SUPPLEMENT – PLAIN OR MEDICATED

Blue Medallion TRT 32% or 36% Supplement helps extend the growth benefits achieved in superior calf feeding programs, keeping heifers growing through breeding to pre-fresh so they can more easily transition into the lactating herd. Adding a convenient concentrated source of protein, vitamins and minerals for developing dairy heifers has never been easier.

GUIDELINES FOR USE:

1. Begin adding Blue Medallion TRT 32% Supplement to heifer rations as they reach 24 weeks of age and continue use through breeding.
2. Feed as part of a balanced heifer ration along with adequate amounts of good quality forage and fresh, clean water.

FEATURES & BENEFITS:

Feeding a balanced ration helps avoid overfeeding and underfeeding heifers, and proper nutrition may potentially reduce breeding challenges, calving difficulties and early lactation metabolic problems.

Convenient. *Add to mixed feeds (forage, on-farm grains and commodities) to provide essential protein, energy, key vitamins and readily available minerals needed for optimal heifer growth and development.*

Ideal for operations that use on-farm commodities *to supplement their heifer feeding ration.*

Alltech's Total Replacement Technology™ (TRT). *Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.*

Contains Optigen®. *Provides sustained availability of ammonia to the rumen environment, resulting in enhanced microbial protein production, fiber digestion and efficient rumen nitrogen capture.*

NOTE:

Mastefeeds Heifer Supplements are also available medicated with Rumensin®.

This feed contains added Selenium at 2.8 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	32.0%*
Crude Fat (minimum)	2.9%
Crude Fibre (maximum)	6.0%
Calcium (actual)	3.0%
Phosphorus (actual)	0.9%
Magnesium (actual)	0.7%
Sulfur (actual)	0.4%
Sodium (actual)	1.2%
Potassium (actual)	1.3%
Iodine (actual)	6.6 mg/kg
Iron (actual)	407 mg/kg
Copper (actual)	116 mg/kg
Manganese (actual)	413 mg/kg
Zinc (actual)	479 mg/kg
Cobalt (actual)	3.3 mg/kg
Fluorine (maximum)	100 mg/kg
Vitamin A (minimum)	85,000 IU/kg
Vitamin D (minimum)	12,750 IU/kg
Vitamin E (minimum)	500 IU/kg

** Equivalent Crude Protein from non-protein sources (max%) 3.5.*

Formulated with Solutions from Alltech®

Net Weight 25 kg
Product #: PLAIN – 401485
MEDICATED – 401486

Masterfeeds® Dairy Nutrition
an Alltech® company

PREMIX+HH – PLAIN OR MEDICATED

BLUE MEDALLION TRT PREMIX+HH FORMULA (PLAIN OR MEDICATED)

BLEND OF VITAMINS & MINERALS FOR HOOF HEALTH

Blue Medallion TRT Premix + HH Formula with Alltech's Total Replacement Technology™ (TRT) delivers a combination of essential trace minerals which have been shown to support immunity, address hoof health issues and support improved reproductive response.

GUIDELINES FOR USE:

1. Use Blue Medallion TRT Heifer Premix + HH Formula 60 days prior to expected foot lesion development.
2. Blue Medallion TRT Premix + HH Formula is recommended for use in TMR rations or mixed with grain.
3. For accurate ration balancing and feeding recommendations, analyze forages and utilize a dairy ration balancing program.
4. Provide clean, fresh water near the feeding area.

FEATURES & BENEFITS:

Trace minerals. *Essential for a wide variety of physiological processes, regulating growth, milk production, reproduction and health.*

Organic trace minerals. *Increased growth rates, improved first lactation milk yield, greater support for reproductive performance.*

Alltech's Total Replacement Technology™ (TRT). *Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.*

NOTES:

Do not feed to lactating cattle.

Masterfeeds Blue Medallion TRT Heifer Premix + HH Formula is also available medicated with Rumensin®.

This feed contains added Selenium at 22.0 mg/kg.

GUARANTEED ANALYSIS

Calcium (actual)	17.1%
Phosphorous (actual)	4.8%
Magnesium (actual)	3.0%
Sulfur (actual)	0.6%
Sodium (actual)	8.71%
Potassium (actual)	0.2%
Iodine (actual)	240 mg/kg
Iron (actual)	1,711 mg/kg
Copper (actual)	801 mg/kg
Manganese (actual)	2,800 mg/kg
Zinc (actual)	4,799 mg/kg
Cobalt (actual)	25 mg/kg
Fluorine (maximum)	401 mg/kg
Vitamin A (minimum)	660,000 IU/kg
Vitamin D (minimum)	110,000 IU/kg
Vitamin E (minimum)	3,900 IU/kg

Formulated with Solutions from Alltech®

Net Weight 25 kg
Product #: PLAIN – 401493
MEDICATED – 401494

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LACTATION

Masterfeeds an Alltech company
Dairy Nutrition

A Canadian Tradition of Animal Nutrition Solutions | *Une tradition Canadienne de solutions en Nutrition Animale*

Masterfeeds® an Alltech® company

- ✔ PROMOTE CONSISTENT AND ADEQUATE ENERGY INTAKE
- ✔ MINIMIZE THE EXTENT AND DURATION OF POSTPARTUM NEGATIVE ENERGY BALANCE
- ✔ PREVENT DISEASE PROBLEMS ASSOCIATED WITH NEGATIVE ENERGY BALANCE
- ✔ REDUCE THE INCIDENCE OF FATTY LIVER SYNDROME
- ✔ IMPROVE MILK PRODUCTION AND INCREASE HERD PROFITABILITY

FRESH COW 25 PROTEIN SUPPLEMENT

FOR LACTATING DAIRY CATTLE DURING THE EARLY LACTATION PERIOD

BOOST THE PROFITABILITY OF THE EARLY LACTATION PERIOD

The early lactation period is one of the most stressful periods in the life cycle of a dairy cow affecting health and production. The success of the change from the pregnant, non-lactating state to the non-pregnant, lactating state determines profitability of the cow during that lactation.

Cows in early lactation are in an inevitable negative energy balance. The sudden increase of nutrients required for milk production, at a time when dry matter intake (DMI) lags far behind, leave less nutrients to supply the fresh cow's maintenance requirements. In response, cows mobilize stored body fat as an energy source for milk production and maintenance functions.

Fresh Cow 25 has been developed to maximize DMI helping cows meet their needs and achieve their genetic potential for milk production. It supplies several key nutrients required in this stage to help cows cope with the stress of early lactation.

Formulated with Solutions from Alltech®

Have a question?
Email dairy@masterfeeds.com

LACTATION

FRESH COW 25 PROTEIN SUPPLEMENT (PELLET)

FOR LACTATING DAIRY CATTLE DURING THE EARLY LACTATION PERIOD

Fresh Cow 25 Protein Supplement (pellet) is designed to be fed to dairy cows in early lactation to maximize dry matter intake and provide key nutrients required in this stage of lactation. Fresh Cow 25 provides alternative energy sources, high levels of rumen escape protein, highly fermentable fibre sources, additional vitamin E and special ingredients to optimize rumen health and function.

FEEDING DIRECTIONS:

Feed Fresh Cow 25 Protein Supplement as part of a nutritionally balanced fresh cow ration. It is designed to be fed to fresh cows at a rate of 2 kg per head per day for a minimum of three weeks post calving.

FEATURES & BENEFITS:

Dietary Escape Microbial Protein (EMP).
A unique, high-quality protein source that delivers a complete array of essential amino acids to the dry cow.

Select GH®.
Maintains gut health and integrity, promotes good bacteria and builds defenses, supports the efficient transfer of nutrients from cow to calf.

Yea-Sacc® 1026. *Live yeast cells that stimulate the growth of ruminal bacteria, improves rumen fermentation, fiber digestion and feed efficiency.*

Rumen-protected Choline.
Improves liver function, reduces fatty liver, ketosis and energy related disorders.

Modified soybean meal.
An excellent source of rumen escape protein providing cows with essential amino acids necessary for optimal milk production.

Fermentable fibre.
Promotes proper rumen adaptation and stabilizes the rumen environment.

Supplemental vitamin E.
Helps optimize animal health and performance.

ADVANTAGES:

- *Promotes consistent and adequate energy intake.*
- *Minimizes the extent and duration of postpartum negative energy balance.*
- *Helps prevent disease problems associated with negative energy balance.*
- *Minimizes the mobilization of NEFA from adipose tissue triglycerides, and thus reduces the incidence of Fatty Liver Syndrome.*
- *Helps to improve milk production, increasing herd profitability.*

GUARANTEED ANALYSIS

Crude Protein (minimum)	25.0%
Crude Fat (minimum)	3.5%
Crude Fiber (maximum)	9.0%
Calcium (actual)	1.0%
Phosphorus (actual)	0.5%
Magnesium (actual)	0.26%
Sodium (actual)	0.76%
Sulfur (actual)	0.31%
Potassium (actual)	1.10%
Iodine (actual)	0.1 mg/kg
Iron (actual)	120 mg/kg
Copper (actual)	12 mg/kg
Manganese (actual)	40 mg/kg
Zinc (actual)	45 mg/kg
Cobalt (actual)	0.1 mg/kg
Fluorine (maximum)	50 mg/kg
Vitamin A (minimum)	10,000 IU/kg
Vitamin D (minimum)	2,500 IU/kg
Vitamin E (minimum)	37 IU/kg

Net Weight 25 kg
Product #: 407470

Masterfeeds Dairy Nutrition
an Alltech company

16% DAIRY RATION (TEXTURED) | FOR LACTATING DAIRY COWS

Masterfeeds 16% Dairy Ration (textured) is a high quality, all-natural 16% protein ration that contains a blend of grains, proteins, vitamins and minerals to promote optimal milk production.

WHO USES:

Masterfeeds 16% Dairy Ration is to be fed as the sole grain ration along with good quality forage to lactating dairy cows. For commercial herds ordering bulk feed please contact your local Masterfeeds Account Manager for a custom ration balanced to your on-farm forages.

FEEDING DIRECTIONS:

Feed Masterfeeds 16% Dairy Ration to lactating cows at the rate of 1 kg for every 3 kg of milk produced (not exceeding the maximum indicated below), along with high quality mixed (legume/ non-legume) forage.

Body Weight (kg)	Maximum Daily Intake of Product (as fed) kg
400	8.2
500	9.98
600	11.98
700	12.76

FEATURES & BENEFITS:

16% all natural protein. *Meets the protein requirements of lactating cows.*

Contains beet pulp. *Provides highly digestible fibre to prevent digestive upset.*

Formulated with rolled corn and barley. *Highly digestible sources of energy for lactating cows.*

Contains molasses. *Encourages intake.*

High levels of vitamins A, D, and E. *Improves performance and helps guard against disease.*

This feed contains added Selenium at 0.5 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	16.0%
Crude Fat (minimum)	2.0%
Crude Fiber (maximum)	7.5%
Calcium (actual)	0.85%
Phosphorus (actual)	0.70%
Sodium (actual)	0.25%
Vitamin A (minimum)	15,000 IU/kg
Vitamin D_3 (minimum)	2,500 IU/kg
Vitamin E (minimum)	50 IU/kg

Net Weight 20 kg
Product #: 408393

Masterfeeds Dairy Nutrition
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LACTATION SUPPLEMENT

34%
DAIRY SUPPLEMENT (PELLET)

FOR LACTATING DAIRY COWS

Masterfeeds 34% Dairy Supplement (pellet) is a high quality, all-natural 34% protein dairy supplement fortified with high levels of vitamins and minerals to promote optimal milk production.

WHO USES:

Masterfeeds 34% Dairy Supplement is to be mixed with ground or processed grains as directed on the tag. This on-farm mixed complete feed can be fed to lactating dairy cows. For commercial herds ordering bulk feed please contact your local Masterfeeds Account manager for a custom ration balanced to your on-farm forages.

FEEDING DIRECTIONS:

Feed the mixed dairy ration to lactating dairy cows at the rate of 1 kg for every 2.5 to 3 kg of milk produced along with mixed forage, choosing a higher protein dairy ration if the forage is low in protein content. Changes to the beef feeding program should be made gradually to allow for adaptation to occur. For more information, contact your local Masterfeeds Territory Manager. Feed to the maximum listed below based on Selenium content:

Body Weight	400	500	600	700
% Body Weight Dry Matter Intake	4.5	3.8	3.5	3.2
Dairy Supplement (kg)	2.05	2.50	3.00	3.19
14% Dairy	13.66	16.63	19.97	21.27
16% Dairy	9.11	11.09	13.31	14.18
18% Dairy	6.83	8.32	9.98	10.63

FEATURES & BENEFITS:

34% all natural protein. *Meets the protein requirements of lactating cows when mixed with on-farm grains.*

Formulated to be mixed with on-farm grains. *Allows flexibility and decreases cost to producer.*

Contains molasses. *Encourages intake.*

Pelleted formulation. *Decreases sorting of fines.*

High levels of vitamins A, D, and E. *Improves performance and helps guard against disease.*

This feed contains added Selenium at 2.0 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	34.0%
ECP from NPS (maximum)	0% *
Crude Fat (minimum)	2.0%
Crude Fiber (maximum)	8.0%
Calcium (actual)	2.8%
Phosphorus (actual)	1.35%
Magnesium (actual)	1.0%
Sodium (actual)	1.35%
Iodine (actual)	4.7 mg/kg
Copper (actual)	145 mg/kg
Manganese (actual)	415 mg/kg
Zinc (actual)	500 mg/kg
Cobalt (actual)	3.0 mg/kg
Fluorine (maximum)	150 mg/kg
Vitamin A (minimum)	64,000 IU/kg
Vitamin D (minimum)	11,300 IU/kg
Vitamin E (minimum)	270 IU/kg

**Equivalent crude protein from non-protein sources.*

Net Weight 25 kg
Product #: 406366

Masterfeeds Dairy Nutrition
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TRANSITION COW

A Canadian Tradition of Animal Nutrition Solutions | Une tradition Canadienne de solutions en Nutrition Animale

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Dairy Nutrition

TRANS-RITE™

TRANSITION COW (PELLET)

FOR CLOSE-UP COWS THREE WEEKS PRIOR TO CALVING

Ensure a healthy transition.

Trans-Rite™ is a convenient alternative to close-up TMR rations, which are often a challenge to feed. Cows are assured of receiving the correct nutrition at a critical time in the lactation cycle.

Trans-Rite™ Transition Cow (pellet) is designed to do the following:

- ***Adapt the rumen for lactation by increasing rumen microbe growth and papillae development;***
- ***Highly palatable to optimize daily dry matter intake prior to calving;***
- ***Maintain immune function for improved health during transition and into lactation.***

Formulated with Solutions from Alltech®

Masterfeeds an Alltech company Dairy Nutrition

Have a question?
Email dairy@masterfeeds.com

TRANS-RITE™ TRANSITION COW (PELLET)

FOR CLOSE-UP COWS THREE WEEKS PRIOR TO CALVING

Trans-Rite™ Transition Cow (pellet) is a high quality, all natural 16% protein pelleted product formulated to meet transition cow needs. It contains a blend of ingredients selected to optimize rumen function, along with minerals and vitamins to help ensure a healthy start when cows enter into lactation.

FEEDING DIRECTIONS:

Close-Up Cows: Feed 5 to 6 kg of Trans-Rite Transition Cow Pellets per cow per day. Feed grass or alfalfa/grass blend free-choice.

FEATURES & BENEFITS:

Sel-Plex®. *Improved Selenium utilization, which aids in immune response.*

Bioplex®. *Organic chelated trace minerals to enhance immune function for reduced somatic cell count, improved reproductive performance and hoof health.*

Yea-Sacc^{1026}. *Live yeast cells that stimulate the growth of rumen microorganisms, improving fibre digestion and feed efficiency*.

Medicated option available.
56 mg/kg of monensin sodium.

This feed contains added Selenium at 1.0 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	16.0%
Crude Fat (minimum)	3.0%
Crude Fiber (maximum)	13.5%
Calcium (actual)	0.75%
Phosphorus (actual)	0.37%
Sodium (actual)	0.08%
Vitamin A (minimum)	25,000 IU/kg
Vitamin D_3 (minimum)	3,750 IU/kg
Vitamin E (minimum)	670 IU/kg

Net Weight 25 kg
Product #: PLAIN – 406331
MEDICATED – 40633101

Masterfeeds Dairy Nutrition
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TRANS-RITE™ ZEO

HIGH PROTEIN DRY COW SUPPLEMENT (PELLET)

FOR NON-LACTATING DAIRY CATTLE DURING THE CLOSE-UP PHASE

Trans-Rite ZEO is a high protein dry cow ration, designed to be limit-fed to non-lactating dairy cattle during the close-up phase, the last two to three weeks of the dry period. It contains a unique blend of protein ingredients, highly digestible fibre sources, vitamins, minerals and special ingredients to optimize rumen health and function.

ENHANCE THE WELL BEING AND PROFITABILITY OF YOUR DAIRY CATTLE.

The transition period is the most important most challenging phase of a dairy cow's lactation cycle as there is a potential for a dramatic increase of infectious diseases and metabolic disorders, negatively affecting the health, production and profitability of dairy cattle.

Trans-Rite ZEO has been developed to enhance the adaptability of dry cows to the physiological changes that occur before, during and after calving.

Trans-Rite ZEO will:

- provide proper well-balanced nutrition to prepare for the onset of lactation;
- reduce incidences of sub-clinical and clinical metabolic disorders;
- enhance the cow's health and immune system, thus increasing its resistance to infectious diseases;
- include Alltech® innovative technologies for optimal animal health and performance.

ALLTECH® TRANSITION COW TECHNOLOGIES:

SELECT GH®	✔
SEL-PLEX®/BIOPLEX® (TRT)	✔

FEEDING DIRECTIONS:

Feed Trans-Rite ZEO as part of a nutritionally balanced close-up cow ration at a rate of 4 kg per head per day for a minimum of three weeks before calving.

FEATURES & BENEFITS:

X-Zelite. *Binds and inhibits calcium absorption, stimulating the animals calcium mobilizing mechanism, increasing and maintaining blood calcium levels at and after calving.*

Added Methionine. *Promotes higher dry matter intakes post-calving, can produce more energy-corrected milk, lower systemic inflammatory state, enhanced liver function and a greater antioxidant capability.*

Select GH®. *Maintains gut health and integrity, promotes good bacteria and builds defenses, supports the efficient transfer of nutrients from cow to calf.*

28% Protein. *High-quality protein that delivers a minimum of 525 grams of metabolizable protein with a balanced amino acid profile to meet the dry cow's requirements.*

Fermentable fibres. *Quality fibrous ingredients to supply the rumen microorganisms with highly fermentable NDF and energy. Promotes proper rumen adaptation and stabilizes the rumen environment.*

Alltech® Mineral Total Replacement Technology (TRT). *Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.*

High levels of vitamin E. *Helps reduce the incidence of retained placentas and mastitis after calving. It optimizes animal health and performance.*

Medicated option (western Canada only).
Contains 54 mg/kg of monensin sodium.

This feed contains added Selenium at 1.8 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	28.0%
Crude Fat (minimum)	1.7%
Crude Fiber (maximum)	12.0%
Calcium (actual)	0.3%
Phosphorus (actual)	0.6%
Sodium (actual)	0.9%
Vitamin A (minimum)	35,000 IU/kg
Vitamin D_3 (minimum)	5,800 IU/kg
Vitamin E (minimum)	350 IU/kg

Net Weight 25 kg
Product #: PLAIN – 401093
MEDICATED – 401094 (MB, SK, AB only)

Formulated with Solutions from Alltech®

TARGETED NUTRITION Blueprint® Dairy

24 Dry Cow Close-Up Ration

High protein complete feed for non-lactating dairy cattle during the last tree weeks of the dry period

Masterfeeds Blueprint® 24 Dry Cow Close-Up Ration is a high protein dry cow pellet, designed to be limit-fed to non-lactating dairy cattle during, the last three weeks of the dry period. It contains a unique blend of protein ingredients, highly digestible fibre sources, vitamins, minerals, and special ingredients to optimize rumen health and function.

Feeding & Management Notes:

Feed Blueprint® 24 Dry Cow Close-Up Ration as part of a nutritionally balanced diet at a rate of 4 kg per head per day for a minimum of three weeks before calving.

Features & Benefits:

24% High-quality Protein. *Delivers a minimum of 450 g of metabolizable protein with a balanced amino acid profile to meet the dry cow's requirements.*

Optigen®. *Provides sustained availability of ammonia to the rumen environment, resulting in enhanced microbial protein production, fiber digestion and efficient rumen nitrogen capture.*

Fermentable fibres. *Quality fibrous ingredients to supply the rumen microorganisms with highly fermentable NDF and energy. Promotes proper rumen adaptation and stabilizes the rumen environment.*

Dietary Escape Microbial Protein (EMP).
A revolutionary microbial protein technology designed to provide a unique, high-quality protein source that delivers the complete array of essential amino acids to the dry cow.

Available medicated with Rumensin®.
Aids in the prevention of coccidiosis.

Alltech's Total Replacement Technology™ (TRT).
Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.

High levels of Vtamin E. *Helps reduce the incidence of retained placentas and mastitis after calving. It optimizes animal health and performance.*

Yea-Sacc® 1026. *Live yeast cells that stimulate the growth of ruminal bacteria, improves rumen fermentation, fibre digestion and feed efficiency.*

Select GH®. *Maintains gut health and integrity, promotes good bacteria and builds defenses, supports the efficient transfer of nutrients from cow to calf.*

Anionic supplement. *A palatable source of chloride and sulfur to reduce DCAD in dry cow diets. Reducing DCAD during the dry phase helps improve calcium status and performance during lactation.*

This feed contains added Selenium at 1.50 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	24.0%*
Crude Fat (minimum)	2.0%
Crude Fibre (maximum)	10.0%
Calcium (actual)	2.5%
Phosphorus (actual)	0.6%
Sodium (actual)	0.31%
Vitamin A (minimum)	45,000 IU/kg
Vitamin D (minimum)	7,500 IU/kg
Vitamin E (minimum)	500 IU/kg

** Including not more than 5.0% equivalent Crude Protein from non-protein nitrogen.*

Net Weight 25 kg
Product #: Plain – 401438
Rumensin® – 401439

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Formulated with Solutions from Alltech®

TARGETED NUTRITION Blueprint® Dairy

Dry Cow Dairy Premix

Formulated to prepare cattle for freshening

Masterfeeds Blueprint® Dry Cow Dairy Premix is a unique and effective approach to dairy cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced dairy genetics. It is formulated for dry cows to prepare them for freshening and includes organic trace minerals to support absorption, retention, and utilization.

Feeding & Management Notes:

For use in dairy heifers and dry cows.

Feed up to 200 g as recommended by your nutritionist as part of a well-balanced ration.

Provide adequate clean fresh water.

Contact your Masterfeeds Account Manager for specific feeding directions.

Features & Benefits:

Alltech's Total Replacement Technology™ (TRT). *Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Alltech Minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.*

Contains highly available magnesium. *Favourable for preventing metabolic problems in the dry period.*

Enhanced levels of vitamins A, D, & E.
For growth, reproduction and overall health.

Highly palatable.
Promotes increased intake.

Contains salt.
Regulates intake.

The blueprint for performance through nutrition:

- Highly efficient trace mineral fortification
- Promotes reproductive performance
- Supports the body's natural defense system
- Supports healthy antioxidant status

This feed contains added Selenium at 25.0 mg/kg.

GUARANTEED ANALYSIS

Calcium (actual)	9.0%
Phosphorus (actual)	6.0%
Magnesium (actual)	10.0%
Sulfur (actual)	1.8%
Sodium (actual)	3.1%
Potassium (actual)	0.3%
Iodine (actual)	67 mg/kg
Copper (actual)	630 mg/kg
Manganese (actual)	1,320 mg/kg
Zinc (actual)	2,050mg/kg
Cobalt (actual)	60 mg/kg
Vitamin A (minimum)	750,000 IU/kg
Vitamin D (minimum)	125,000 IU/kg
Vitamin E (minimum)	7,500 IU/kg

Net Weight 25 kg
Product #: Plain – 401434
Rumensin® – 40143401

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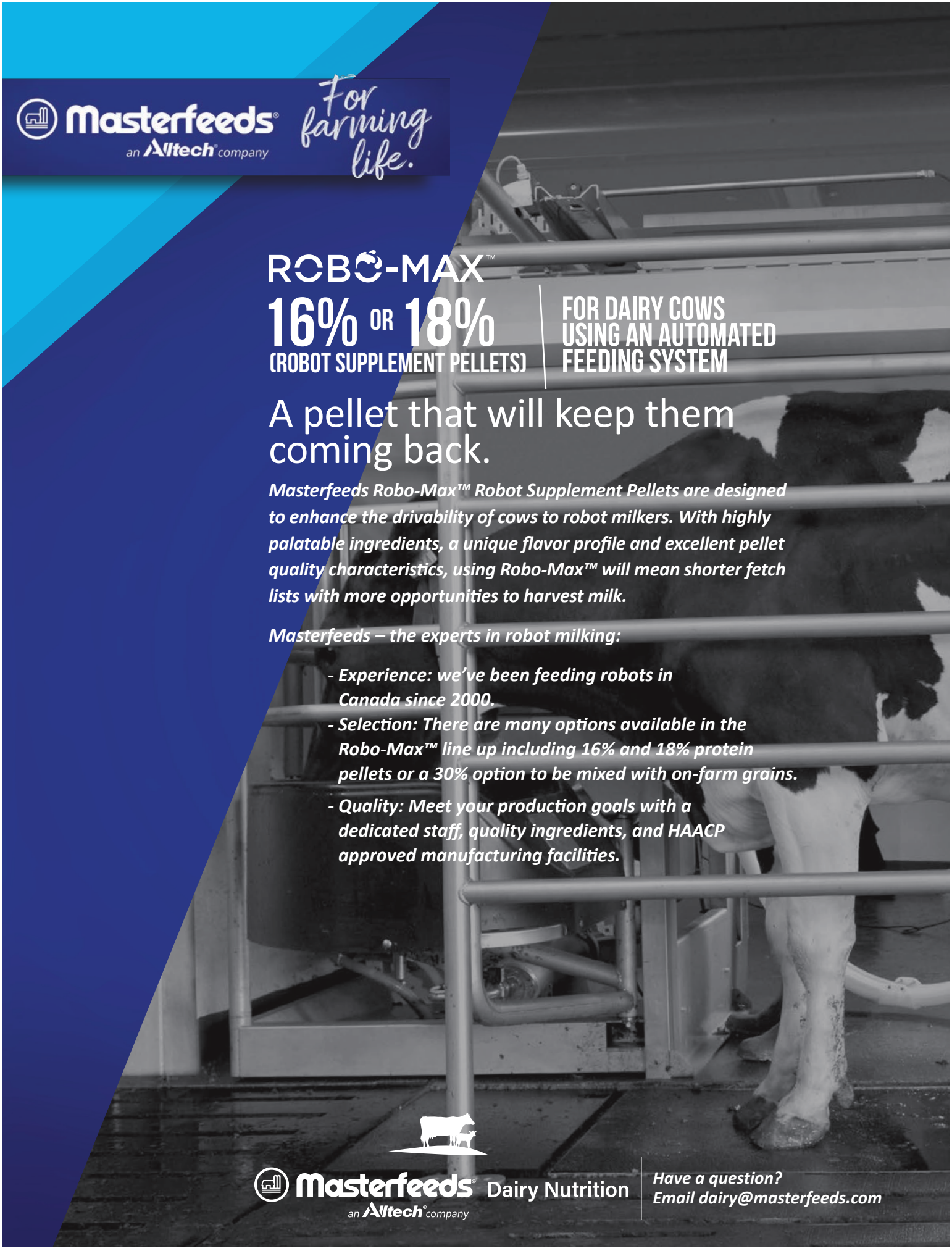
Masterfeeds
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For farming life.
ROBO-MAX™
16% OR 18%
(ROBOT SUPPLEMENT PELLETS)
FOR DAIRY COWS USING AN AUTOMATED FEEDING SYSTEM
A pellet that will keep them coming back.
Masterfeeds Robo-Max™ Robot Supplement Pellets are designed to enhance the drivability of cows to robot milkers. With highly palatable ingredients, a unique flavor profile and excellent pellet quality characteristics, using Robo-Max™ will mean shorter fetch lists with more opportunities to harvest milk.
Masterfeeds – the experts in robot milking:
- Experience: we've been feeding robots in Canada since 2000.
- Selection: There are many options available in the Robo-Max™ line up including 16% and 18% protein pellets or a 30% option to be mixed with on-farm grains.
- Quality: Meet your production goals with a dedicated staff, quality ingredients, and HAACP approved manufacturing facilities.
Masterfeeds Dairy Nutrition
an Alltech company
Have a question?
Email dairy@masterfeeds.com

ROBOTIC PELLETS

ROBO-MAX™

16% OR 18% (ROBOT SUPPLEMENT PELLETS)

FOR DAIRY COWS USING AN AUTOMATED FEEDING SYSTEM

Robo-Max™ Robot Supplement Pellets are highly palatable feeds, intended to be fed to dairy cows through an automated feeding system. Fed in conjunction with a balanced partial mixed ration, Robo-Max™ provides supplemental energy and protein to encourage maximum visits to automated milking/feeding stations.

DIRECTIONS FOR USE:

Feed Robo-Max™ Robot Supplement Pellets at a rate sufficient to deliver 1.0 to 3.0 kg per visit.

Feeding speed should be adjusted in conjunction with average milking speed, but should fall into the range of 300 to 400 grams per minute.

Successful feeding in robotic systems is entirely dependent on having a properly balanced bunk recipe.

Follow an on-farm feeding program provided by your Masterfeeds Account Manager.

FEATURES & BENEFITS:

Hard pellet. *Designed for optimal flow and reduced fines in automated feeding systems.*

High quality, palatable ingredients with a unique blend of flavours. *Specifically formulated for optimum intake, while avoiding issues associated with acidosis. Keeps them happy for the entire milking. This means fewer kicked-off milkers!*

All natural protein with a specific balance of by-pass protein and amino acids. *Ensures palatability and performance.*

High quality fermentable fibre. *Provides more digestible fibre as fermentable sources of energy. This keeps her milking with good feet and components, while helping her to breed back in shorter days.*

Complementary levels of vitamins, chelated trace minerals (TRT) and macro minerals. *Chelated trace minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.*

Start-Up formula available. *Extra enticing feed for the switch from the parlour to the Robot to encourage more visits to the robot. Minimizes fetch cows at start-up and the stress of transition to the new system.*

GUARANTEED ANALYSIS

Crude Protein (minimum)	16.0|18.0%
Crude Fat (minimum)	2.4|3.5%
Crude Fiber (maximum)	7.0%
Calcium (actual)	0.7|0.65%
Phosphorus (actual)	0.4|0.5%
Magnesium (actual)	0.3|0.2%
Sulfur (actual)	0.3|0.2%
Potassium (actual)	0.7|0.8%
Iodine (actual)	1.8|1.4 mg/kg
Iron (actual)	90 mg/kg
Copper (actual)	36|39 mg/kg
Manganese (actual)	90|120 mg/kg
Zinc (actual)	110|130 mg/kg
Cobalt (actual)	0.5 mg/kg
Fluorine (maximum)	50|60 mg/kg
Vitamin A (minimum)	10,000 IU/kg
Vitamin D (minimum)	1,300|1,000 IU/kg
Vitamin E (minimum)	20|18 IU/kg

Net Weight 25 kg / Bulk
Product #: 16% – 407480 | 18% – 407462
Start-up 16% – 40748001 | 18% – 40746201

Masterfeeds Dairy Nutrition
an Alltech company

ROBO-MAX™

30% (ROBOT PELLET)

FOR DAIRY COWS USING AN AUTOMATED FEEDING SYSTEM & ON-FARM GRAIN

ROBOTIC PELLET

Robo-Max™ 30% Robot Pellet is a highly palatable feed, intended to be fed to dairy cows through an automated feeding system. Fed in conjunction with on-farm grain in the robot and with a balanced partial mixed ration (PMR), Robo-Max™ 30% Robot Pellet provides supplemental protein to encourage maximum visits to automated milking/ feeding stations.

WHO USES:

Producers using an automated feeding and milking system that have the ability to use on-farm grains alongside the robot pellet in their automated feeders.

DIRECTIONS FOR USE:

Feed Robo-Max™ 30% Robot Pellet between 1 to 4 kg per cow per day, in conjunction with on-farm grain in the robot according to observed milk production and as recommended by your Masterfeeds Account Manager.

FEATURES & BENEFITS:

Hard pellet. *Designed for optimal flow and reduced fines in automated feeding systems to encourage higher intake in a shorter time.*

High quality, palatable ingredients with a unique blend of flavours. *Specifically formulated for optimum intake. Unique flavor profile proven to promote higher feed intake and visits to the robot!*

All natural protein with a specific balance of protein fractions and amino acids. *Providing high quality, all-vegetable energy and protein with bypass sources ensures palatability, performance and an optimum amino acid profile in the ration.*

Start-Up version available. *Extra enticing feed for the switch from the parlour to the Robot to encourage more visits to the robot. Minimizes fetch cows at start-up and the stress of transition to the new system.*

GUARANTEED ANALYSIS

Crude Protein (minimum)	30.0%
Crude Fat (minimum)	2.0%
Crude Fiber (maximum)	7.5%
Calcium (actual)	1.0%
Phosphorus (actual)	0.6%
Magnesium (actual)	0.3%
Sulfur (actual)	0.3%
Sodium (actual)	0.1%
Potassium (actual)	1.3%

Net Weight 25 kg / Bulk
Product #: 407168 | Start-Up – 40716801

Masterfeeds Dairy Nutrition
an Alltech company



ROBO-MAX™

ROBOTIC FEEDING DECISION TREE

TYPE OF ROBOT

- **ONE COMPARTMENT**
  - **OPTIMUM ROBOT PELLET**
    - **NEW ROBOT?** → ROBO-MAX START-UP 16%
    - ROBO-MAX 18%
  - **HIGH PROTEIN ROBOT PELLET** → ROBO-MAX 18%
- **TWO COMPARTMENTS**
  - **ON-FARM GRAIN**
    - **NEW ROBOT?** → ROBO-MAX START-UP 30%
    - ROBO-MAX 30%
  - **FRESH & HIGH PRODUCING COWS** → **OPTIMUM ROBOT PELLET** → FRESH COW 25

FOR WHAT GOES INTO ALL YOU DO.™

ROBOTIC FEEDING PERFORMANCE

BYE-RING
DAIRY PREMIX

FOR YOUNG CALVES AFTER WEANING AND/OR OLDER ANIMALS UP TO 12 MONTHS OF AGE

Research has shown that many diseases in cattle are related to a suppressed immune system as a result of nutrient deficiency and/or stress. Providing high plains of nutrition to improve vitamin and mineral status in the body can have significant impacts on health, immune function, and the ability of the animal to combat diseases such as ringworm and pinkeye. Masterfeeds Bye-Ring Dairy Premix provides a combination of balanced minerals, vitamins, and additives to support the immune system and help cattle to overcome deficiency challenges.

WHO USES:

Bye-Ring Dairy Premix is designed to be fed to young calves after weaning, and older animals such as heifers/steers up to 12-months-old and older depending on the severity of the problem. It will mitigate the adverse economic effects of decreased growth and performance.

FEEDING DIRECTIONS:

Please contact a Masterfeeds Nutritionist to balance this product properly into the desired group diet.

FEATURES & BENEFITS:

High levels of micro minerals.
Helps to maintain a healthy and strong immune system.

High levels of vitamins A, D, and E.
Enhances the immune system and reduce oxidation/stress.

DCAB.
Provides potassium, which is essential in the energy and protein metabolism of the animal.

This feed does not contain added Selenium.

GUARANTEED ANALYSIS

Calcium (actual)	3.9%
Phosphorus (actual)	0.2%
Potassium (actual)	1.2%
Copper (actual)	4,000 mg/kg
Vitamin A (minimum)	380,000 IU/kg
Vitamin D_3 (minimum)	77,000 IU/kg
Vitamin E (minimum)	1,000 IU/kg

Net Weight 25 kg
Product #: 403079

Masterfeeds Dairy Nutrition
an Alltech company

DAIRY SUPPLEMENT

UDR-ENERGY
DAIRY SUPPLEMENT

FOR LACTATING DAIRY COWS

Masterfeeds Udr-Energy Dairy Supplement is designed to reduce production costs by improving efficiency in dairy cows. Research has shown that some additives can improve rumen fermentation and reduce methane production. This results in extracting more energy out of feeds without changing feed intake. That extra energy can be used to increase the productivity of lactating dairy cows thereby improving your bottom line.

WHO USES:

Udr-Energy is to be fed to lactating cows. It is designed to improve feed efficiency therefore increasing productivity and reducing feed costs.

FEEDING DIRECTIONS:

Replace 0.5 kg of on-farm grain plus 50 grams of C16:0 fat with 0.5 kg of Udr-Energy Dairy Supplement.

FEATURES & BENEFITS:

Adequate protein sources.
Improves the N-to energy synchronization.

High available energy.
Increase the effective use of protein, therefore optimizing microbial growth.

Agolin®.
Modifies the rumen microbial population in order to improve the digestibility of fiber and reduce energy losses.

This feed does not contain added Selenium.

GUARANTEED ANALYSIS

Crude Protein (minimum)	16.0%
Crude Fibre (maximum)	6.0%
Calcium (actual)	0.1%
Phosphorus (actual)	0.5%

Net Weight 25 kg
Product #: 405792

Masterfeeds Dairy Nutrition
an Alltech company

THERMO-STAT
HEAT STRESS SUPPLEMENT

FOR LACTATING DAIRY COWS

Heat stress occurs when cows cannot easily get rid of both the heat they generate and the heat they absorb. Heat stress can vary from mild to severe and has negative impacts on production and profitability. Masterfeeds Thermo-Stat provides electrolytes which are depleted when cows suffer heat stress. Also, it contains Yea-Sacc® and B-complex which improve dry matter intake and energy utilization.

WHO USES:

Thermo-Stat is to be fed to lactating cows prior to and under heat stress. It is intended to boost the minerals which are depleted during times of heat stress. Also, it will help to maintain normal rumen function in order to keep a stable rumen pH and normal rumen microbiota.

FEEDING DIRECTIONS:

Feed 100 to 200 grams/head/day to lactating cows depending on the severity of heat stress.

FEATURES & BENEFITS:

B-Complex.
Increases energy availability and promotes normal function of the rumen.

Yea-Sacc®.
Improves fibre digestion and stimulates the cow's appetite.

DCAB.
Provides electrolytes that are needed during times of heath stress.

This feed does not contain added Selenium.

GUARANTEED ANALYSIS

Calcium (actual)	5.0%
Phosphorus (actual)	0.1%
Magnesium (actual)	5.5%
Potassium (actual)	29.0%
Cobalt (actual)	20 mg/kg

Net Weight 25 kg
Product #: 805055

Masterfeeds Dairy Nutrition
an Alltech company



Everest Bull Pellet is a premium supplement formulated to boost energy metabolism, support increased mounting frequency and enhance semen quality. It also promotes joint and hoof health by ensuring controlled growth so your bulls last and stand longer on their hooves.

DIRECTIONS FOR USE:

Top dress with mixed quality hay at a rate of 2.5 to 3.0 kgs/head/day.

FEATURES & BENEFITS:

Alltech's Total Replacement Technology® (TRT).
Achieved through the inclusion of chelated trace minerals in the form of Bioplex® and Selenium yeast in the form of Sel-Plex®, TRT replaces all inorganic sources of trace minerals and Selenium. Organic minerals are readily absorbed, stored and utilized by the cow helping her meet nutrition requirements and achieve optimal health.

Slower gain.
Conventional lactation TMR allow for 3+ lbs/day of gain on a bull. Everest Bull pellets allow for slower gain which means your bull can stand better and last significantly longer before he needs to be replaced.

Contains Actigen®.
Supports optimal growth and improved gut health.

Contains Integral®.
Increases immune function and manges the impact of mycotoxins by reducing their absorption.

With Ammonium Chloride.
Aids in the prevention of urinary calculi.

***Low feeding rate** makes this product cost effective.*

Highly palatable.
Promotes increased intake.

Rumen-protected B-vitamins.
Help increase dry matter intake, optimize health and improve reproduction.

This feed contains added Selenium at 3.0 mg/kg.

GUARANTEED ANALYSIS

Crude Protein (minimum)	15.0%*
Crude Fat (minimum)	3.0%
Crude Fibre (maximum)	10.0%
Calcium (actual)	0.9%
Phosphorus (actual)	0.4%
Magnesium (actual)	0.2%
Sodium (actual)	0.8%
Sulfur (actual)	0.2%
Iodine (actual)	9 mg/kg
Iron (actual)	85 mg/kg
Manganese (actual)	385 mg/kg
Copper (actual)	130 mg/kg
Manganese (actual)	3,380 mg/kg
Zinc (actual)	4,850 mg/kg
Cobalt (actual)	7 mg/kg
Fluorine (maximum)	75 mg/kg
Vitamin A (minimum)	65,000 IU/kg
Vitamin D (minimum)	15,000 IU/kg
Vitamin E (minimum)	750 IU/kg

** Equivalent Crude Protein from non-protein sources (max%) 1.7.*

Net Weight 25 kg
Product #: 401433

Masterfeeds Dairy Nutrition
an Alltech company



The Rite nutrients.

Balanced and consistent intake of nutrients is key to raising healthy livestock. Time, labour, and access to feeding grounds considered, Rite-Lix™ is ideal for providing supplementation to support your challenges. Rite-Lix™ blocks cannot be bitten, chewed or over consumed due to their hardness. They are also "weather-proof", withstanding adverse weather conditions – never caking or blowing away. Low-moisture supplement blocks help increase forage or pasture utilization and the licking action also increases saliva which aids in gut health.

RITE-LIX™ FOR BEEF

32-18 *32% protein formulation with 18% from non-protein nitrogen sources (NPN). Contains Fibrozyme® for better fibre digestion of cattle on low quality forage or pasture.*

22-10 *22% protein formulation with 10% from NPN, for cattle on medium quality forage or pasture.*

16 AN *16% all natural protein formulation for cattle on good quality forage or pastures.*

MAXI-BLOCK *14% all natural protein formulation for higher vitamin and trace mineral requirements. Ideal for calving, lactation, re-breeding and periods of stress.*

MEGA-BLOCK *12% protein and 12% fat, highly fortified protein and Omega-3 fatty acid from vegetable oils, formulated for cattle during times of stress or increased demand.*

MIN-BLOCK *Free-choice formulation for cattle on good quality forage or pastures. Complete 1:1 mineral formulation in a controlled consumption block.*

MULTI-BLOCK *13% for all livestock needing supplemental protein when feeding copper is a concern. Added yeast and Vitamin E.*

2-1 (G) *A mineral supplementation block with no added protein. Contains garlic for added flavour.*

BLUEPRINT® 2:1 *Designed for self-feeding to grazing or cut-forage fed beef cattle, providing 100% of the trace minerals required in organic form.*

BLUEPRINT® BREEDER 18 *18% protein formulation provides energy, minerals and vitamins as well as 100% organic trace minerals.*

PRODUCTS WITH ALTOSID IGR Fly Control Built by Science

For use 30 days before fly emergence through 30 days after the first frost to prevent flies from multiplying and to help protect your bottom line.

BLUEPRINT® 2-1 ALTOSID® IGR.01 *Contains Bioplex® 100% organic trace minerals and 0.01% S-Methoprene to prevent the emergence of adult horn flies from the manure of treated cattle.*

RITE-LIX™ ALTOSID® IGR.01 *Contains 0.01% S-Methoprene to prevent the emergence of adult horn flies from the manure of treated cattle.*

Horn fly control.



Formulated with Solutions from Alltech®

RITE-LIX™ FOR DAIRY

FREE STALL *A free-choice supplement for lactating dairy cows. Promotes feed intake, boosts nutrient intake, combats heat stress or issues with sub-acute acidosis.*

FRESH COW *For use during periods of higher stress at transition or freshening. Assists in keeping feed and nutrient intake up, helps reproductive health and keeps the immune system strong.*

DRI COW *Formulated specifically for the eight week dry cow period. Of benefit to cows whose feed intakes are down and stress levels are increased. Helps keep the diet balanced to reduce incidences of negative energy, milk fever and retained placentas.*

RITE-LIX™ FOR SHEEP & GOATS

MULTI-BLOCK *13% all natural protein supplement to be fed with good quality forage or pasture. For all livestock needing supplemental protein when feeding copper is a concern. Suitable for mixed species feeding.*

RITE-LIX™ FOR HORSES

BLUEPRINT® BREEDER 18 *18% protein formulation provides energy, minerals and vitamins as well as 100% organic trace minerals.*

HORSE BLOCK *Molasses-based block for all classes of horses. Use when pastures may be of diminished quality and during drought.*

RITE-LIX™ BIORITE™ CONTAINER:

All Rite-Lix™ products are available in the biodegradable BioRite™ container. Made of natural products, this container breaks away at the same level the supplement is consumed, eliminating the need for container collection.



BENEFITS OF RITE-LIX™ LOW MOISTURE BLOCKS:

Low cost per day: controlled, predictable consumption of concentrated nutrients for economical feeding.

Performance: improved forage and pasture utilization means better growth and reproductive performance, and more efficient use of on-farm forages. Ideal for preparing animals for show/sale.

Flexible: formulas available to cover different pasture and forage conditions.

Control grazing patterns: efficient use of pastures by placing blocks in under-grazed areas.

Food-safe: Rite-Lix™ blocks are free of animal by-products.



GUARANTEED ANALYSIS COMPARISON CHART

Product Name	Product Code Plastic Tub	Product Code BioRite™	Protein (%) min.	*ECP from NPS max.	Fat (%) min.	Fibre (%) max.	Ca (%) act.	P (%) act.	Mg (%) act.	S (%) act.	Na (%) act.	K (%) act.	I (mg/kg) act.	Cu (mg/kg) act.	Mn (mg/kg) act.	Zn (mg/kg) act.	Co (mg/kg) act.	F (mg/kg) max.	Se (mg/kg) added	Vit A (IU/kg) min.	Vit D_3 (IU/kg) min.	Vit E (IU/kg) min.
RITE-LIX™ FOR BEEF																						
32-18 §	815023	815024	32.0	18.0	4.0	2.5	2.0	2.0	0.5	—	≠	2.0	10	350	1,400	1,050	5.0	140	6.0	220,000	22,000	220
22-10	815013	815014	22.0	10.0	5.0	2.5	3.0	1.5	2.0	—	≠	2.0	10	350	1,400	1,050	5.0	140	6.0	220,000	22,000	220
16 AN	815003	815004	16.0	—	5.0	2.5	1.0	1.0	2.0	0.5	≠	2.0	10	350	1,400	1,050	5.0	140	6.0	220,000	22,000	220
Maxi-Block	815073	815074	14.0	—	3.0	2.5	1.7	2.0	2.0	—	≠	2.0	35	700	2,750	2,750	10.0	—	6.0	200,000	70,000	1,200
Mega-Block	816013	816014	12.0	—	12.0	2.5	1.6	2.0	2.0	—	≠	1.5	35	700	2,750	2,750	10.0	160	6.0	200,000	70,000	1,200
Min-Block	815083	815084	—	—	3.0	2.5	4.0	4.0	4.4	0.8	≠	2.0	30	600	2,000	1,800	7.0	350	6.0	220,000	25,000	250
Multi-Block	815092	—	13.0	—	4.0	2.0	1.3	1.0	0.3	0.5	1.1	2.5	—	10•	400	800	—	240	4.4	150,000	15,000	200
2-1 (G)	816023	816024	—	—	3.0	2.5	9.0	4.0	3.5	—	≠	—	40	800	3,200	2,400	10.0	350	6.0	400,000	40,000	200
Blueprint® 2:1	816035	816036	—	—	3.0	2.5	9.0	4.0	4.0	—	≠	—	90	675•	945	1,980	72.0	350	6.0	400,000	40,000	200
Blueprint® Breeder 18	816033	816034	18.0	—	4.0	3.0	2.0	2.0	1.0	—	≠	2.0	44	330	480	990	35.0	160	6.0	250,000	25,000	1,250
PRODUCTS WITH ALTOSID®																						
Blueprint® 2-1 Altosid® IGR	816041	816042	—	—	3.0	2.5	9.0	4.0	4.0	—	≠	—	90	675	945	1,980	72.0	—	6.0	400,000	40,000	200
Rite-Lix™ Altosid® IGR	816026	816027	—	—	3.0	3.0	8.9	4.0	3.5	—	≠	—	40	800	3,200	2,400	10.0	—	6.0	400,000	40,000	200
RITE-LIX™ FOR DAIRY																						
Free Stall	815033	815034	2.5	—	3.0	2.5	2.5	0.5	1.8	0.5	2.4	2.5	70	470	1,400	1,800	35.0	70	—	200,000	70,000	400
Fresh Cow	815053	815054	2.5	—	3.0	2.5	1.6	0.5	1.8	0.5	≠	2.5	70	700	2,400	2,800	35.0	70	—	200,000	40,000	1,200
Dri Cow	815043	815044	14.0	8.0	4.0	2.5	1.5	2.0	2.0	0.7	1.1	2.4	35	700	2,750	2,750	10.0	150	—	200,000	70,000	2,000
RITE-LIX™ FOR SHEEP & GOATS																						
Multi-Block	815091	—	13.0	—	4.0	2.0	1.3	1.0	0.3	0.5	1.1	2.5	—	•	400	800	—	240	4.4	150,000	15,000	200
RITE-LIX™ FOR HORSES																						
Blueprint® Breeder 18	816033	816034	18.0	—	4.0	3.0	2.0	2.0	1.0	—	≠	2.0	44	330	480	990	35.0	160	6.0	250,000	25,000	1,250
Horse Block	815061	—	12.0	—	5.0	2.5	1.5	1.0	1.0	0.8	5.7	2.0	8.0	250	850	850	14.0	160	2.0	55,000	10,000	750

**Equivalent Crude Protein from non-protein nitrogen sources (maximum).*
≠ No sodium added | • No copper added | § Contains Xylanase (Fibrozyme® Registration #981434) 1,321 XU/kg (minimum).



The BioRite™ way.

No Collection. No Disposal. No Waste. When you supplement with Rite-Lix™ in the BioRite™ container, it's a one way trip. That's because BioRite™ biodegrades as Rite-Lix™ is consumed. You save time and money because there's no container to collect, remove or dispose of.

HANDLING BIORITE™:

- Normal product handling may cause the free-board to break away in some areas. This is a natural feature of a biodegradable container. It will not harm the product or supplement consumption.
- It is recommended that the BioRite™ container be handled in a way that will limit free-board degradation until the supplement is fed.
- The BioRite™ container can be easily rolled to move into place.
- Care in handling will reduce the amount of free-board that breaks away.
- Using a strap around the container will allow you to easily slide the BioRite™ container on smooth, hard services.

FEATURES & BENEFITS:

Biodegradable. *No waste or litter in pasture.*

All natural. *Manufactured from ground straw coated with a soy flour solution for binding and is then pressed into a barrel shape.*

Container degrades at level of product. *Can see how much is left from a distance.*

The one way supplementation solution. *Save time and money, no need to collect or dispose of barrels.*

Now with Moistureguard®. *A protective coating applied to BioRite™ that broadens the application and effectiveness of the biodegradable containers by guarding it from wet conditions. It is composed of an edible, food-grade wax coating that helps protect and slow down degradation in wet conditions.*



As cattle consume Rite-Lix™ in the BioRite™ container, its sides break down. The BioRite™ walls will be at the same level as the supplement is consumed. After the supplement is consumed, the bottom of the BioRite™ container remains to degrade and disappear. BioRite™ containers reduce the cost and hassle of disposing of plastic containers and are more environmentally friendlily. BioRite™ is recommended for use in pasture or range grazing situations, free-stall barns or along the bunkline. When used in excessively muddy or wet conditions, increased degradation may occur. Plan product positioning of the BioRite™ container accordingly

ABOUT RITE-LIX™ LOW MOISTURE BLOCKS:

Rite-Lix™ low moisture blocks are a nutrient-dense blend of molasses solids, protein, vegetable oil, vitamins and minerals. A carefully controlled, technically advanced cooking process is used to protect key nutrients. The result is a highly palatable, nutritionally fortified supplement that dissolves slowly as cattle lick the surface. Rite-Lix™ blocks are naturally self-limiting and cannot be bitten, chewed or over-consumed. The supplements are easily placed in areas of the pasture that result in desired supplement intake and forage utilization.



LOW MOISTURE BLOCK SUPPLEMENTS
SUGGESTED USAGE CHART

ONLY AVAILABLE THROUGH MASTERFEEDS OR YOUR LOCAL MASTERFEEDS DEALER.

Masterfeeds® an Alltech® company

PRODUCT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
16 AN 22-10 32-18	Protein.							Protein.				
16 AN AB Maxi AB Block	Late gestation, calving.								Late gestation, calving.			
Maxi-Block	Weaning and receiving (45 to 60 days). Suggested use with breeding, calving pens and sick pens.											
Min-Block Blueprint® 2:1	No Protein, fed with good quality forage.			No Protein, fed on pasture.					No Protein, fed with good quality forage.			
2:1 Min-Block (GFC)				No Protein, fed with good quality forage, includes fly control.								
Blueprint® Breeder 18	Protein, energy, minerals and vitamins to complement a forage-based diet.								Protein, energy, minerals and vitamins to complement a forage-based diet.			
Mega-Block	Breeding stock, show cattle.										Breeding stock, show cattle.	
Free Stall Dri Cow Fresh Cow	Year round supplementation for dairy cows (lactating and non-lactating formulas).											
Horse Block	Year round supplementation for horses.											
Multi-Block	Year round combination feeding for multi-species or for specific sheep and/or goat programs.											
Altosid® Blueprint® 2-1 IGR.01 or IGR.01					Use 30 days before fly emergence through to 30 days after the first frost to prevent the emergence of adult horn flies from the manure of treated cattle.							
Blueprint® Rite-Blox 20 AN or 30-15							With protein to compliment low to medium quality forages.					

All products are subject to availability. Contact your Masterfeeds Account Manager for more information on Rite-Lix™ or Rite-Blox™ products.

Feeding Directions: Provide one (1) tub for every 20 to 25 cows. For best results, do not place tubs by water and/or gathering locations.



FREE STALL
DAIRY BLOCK SUPPLEMENT

FOR LACTATING DAIRY COWS

LOW MOISTURE BLOCK

Masterfeeds Rite-Lix™ Dairy Free Stall Block is a free-choice low moisture molasses blocs for lactating dairy cows.

WHO USES:

Masterfeeds Rite-Lix™ Dairy Free Stall Block Supplement is to be used for lactating dairy cows either in free stall or tie stall housing. To be fed as a supplement for times when cows need extra nutrient intakes to combat heat stress or help prevent sub-acute acidosis.

FEEDING DIRECTIONS:

Masterfeeds Rite-Lix™ Dairy Free Stall Block Supplement is designed for self-feeding to lactating dairy cattle. Place containers in areas that will achieve desired intake. Provide a minimum of two containers in each bunk, lot or pasture to ensure proper accessibility. Free-choice consumption will depend on climate, size of the animals fed, as well as quality, source and availability of other feeds. Feed at the rate of one container for every 20 to 30 head. Cattle typically consume between 110 and 450 grams per head daily. Masterfeeds Rite-Lix™ Dairy Free Stall Block Supplement contains no salt. Provide salt free-choice.

FEATURES & BENEFITS:

Added buffers and alkalizing agents. *Helps increase rumen pH and reduce incidence of sub acute rumen acidosis.*

Low moisture molasses block. *Stimulates licking action and saliva production which improves rumen function and lower pH.*

Contains B-vitamins. *Improves rumen function and stimulates intake during times of stress.*

Contains organic trace minerals. *Optimizes immune function, reproduction and cow longevity.*

Controlled consumption. *Provides 24 hour access to energy and nutrients for cows coping with stress, illness, social dominance, ration sorting or periods without feed.*

Contains high levels of vitamins A, D, and E. *Promotes optimum health status in cattle.*

GUARANTEED ANALYSIS

Crude Protein (minimum)	2.5%
Crude Fat (minimum)	3.0%
Crude Fiber (maximum)	2.5%
Calcium (actual)	1.6%
Phosphorus (actual)	0.5%
Magnesium (actual)	1.8%
Sulfur (actual)	0.5%
Sodium (actual)	0%
Potassium (actual)	2.5%
Iodine (actual)	70 mg/kg
Copper (actual)	470 mg/kg
Manganese (actual)	1,400 mg/kg
Zinc (actual)	1,800 mg/kg
Cobalt (actual)	35 mg/kg
Vitamin A (minimum)	200,000 IU/kg
Vitamin D_3 (minimum)	70,000 IU/kg
Vitamin E (minimum)	400 IU/kg

Net Weight 90.7 kg
Product #: 815033

Masterfeeds Dairy Nutrition
an Alltech company

LOW MOISTURE BLOCK

FRESH COW
DAIRY BLOCK SUPPLEMENT

FOR DAIRY COWS DURING THE TRANSITION PERIOD

Masterfeeds Rite-Lix™ Fresh Cow Dairy Block Supplement is a free-choice low moisture molasses block for dairy cows during the transition period.

WHO USES:

Masterfeeds Rite-Lix™ Fresh Cow Free Choice Block Supplement is used in close up dry cow pens, maternity pens, sick pens, and fresh cow pens. Geared to stimulate appetite, boost reproductive health and reduce stress.

FEEDING DIRECTIONS:

Masterfeeds Rite-Lix™ Fresh Cow Dairy Block is designed for self-feeding to lactating and non-lactating dairy cattle during periods of transition or freshening. Place containers in areas that will achieve desired intake. Provide a minimum of two (2) containers in each lot or pasture to ensure proper accessibility. Free-choice consumption will depend on climate, size of the animals fed, as well as quality, source and availability of other feeds. Feed at the rate of one container for every 20 to 30 head. Cattle typically consume between 110 and 280 grams per head daily. Masterfeeds Rite-Lix™ Fresh Cow Dairy Block contains no salt. Provide salt free-choice.

FEATURES & BENEFITS:

Contains yeast cultures. *Allows for increased dry matter intake and improved rumen fermentation which encourages cows back on feed quicker.*

Contains organic trace minerals. *Supplies readily available minerals for improved immunity and accelerated recovery after calving.*

Contains B-vitamins. *Improves rumen function and stimulates dry matter intake at freshening.*

Contains 1,200 IU/kg vitamin E. *Promotes immune function and helps cows deal with microbial and metabolic stress at calving.*

Contains high level of vitamin A and D. *Promotes health status of cows in transition.*

Low moisture molasses supplement bloc. *Hard texture stimulates licking action and saliva production which stimulates appetite.*

Molasses based. *Highly palatable energy and nutrient source for cattle with low dry matter intake.*

GUARANTEED ANALYSIS

Crude Protein (minimum)	2.5%
Crude Fat (minimum)	3.0%
Crude Fiber (maximum)	2.5%
Calcium (actual)	1.6%
Phosphorus (actual)	0.5%
Magnesium (actual)	1.8%
Sulfur (actual)	0.5%
Sodium (actual)	0%
Potassium (actual)	2.5%
Iodine (actual)	70 mg/kg
Copper (actual)	700 mg/kg
Manganese (actual)	2,400 mg/kg
Zinc (actual)	2,800 mg/kg
Cobalt (actual)	35 mg/kg
Fluorine (actual)	50 mg/kg
Vitamin A (minimum)	200,000 IU/kg
Vitamin D_3 (minimum)	40,000 IU/kg
Vitamin E (minimum)	1,200 IU/kg

Net Weight 90.7 kg
Product #: 815053

Masterfeeds Dairy Nutrition
an Alltech company

DRI COW
DAIRY BLOCK SUPPLEMENT

FOR DURING DRY PERIODS OR TIMES OF STRESS

LOW MOISTURE BLOCK

Masterfeeds Rite-Lix™ Dri Cow Dairy Block is a free-choice low-moisture molasses block supplement formulated to be fed to cows during the dry period or during times of stress.

WHO USES:

Masterfeeds Rite-Lix™ Dri Cow Dairy Block Supplement is to be used during the eight week dry period or while cattle are stressed or sick.

FEEDING DIRECTIONS:

Masterfeeds Rite-Lix™ Dri Cow Dairy Block Supplement is designed for self-feeding to non-lactating dairy cattle. Place containers in dry spots near loafing areas and watering locations. Provide a minimum of two (2) containers in each lot or pasture to ensure proper accessibility. Free-choice consumption will depend on climate, size of the animals fed, as well as quality, source and availability of other feeds. Feed at the rate of one container for every 20 to 30 head. Cattle typically consume between 125 and 450 grams per head daily. Provide salt free-choice.

FEATURES & BENEFITS:

Contains 2,000 IU/kg vitamin E. *Promotes immune function, reproductive health and enhances stress fighting ability.*

Contains B-vitamins. *Aids in rumen function and promotes intake during the dry period or during times of stress.*

Elevated Trace Minerals. *Ensures trace mineral requirements are met for optimal health even when intake is depressed.*

Contains high level of vitamin A and D. *Promotes optimal health status.*

Low moisture molasses block. *Stimulates licking action and saliva production, reduces acidosis and digestive upset while encouraging intake.*

Molasses based. *Highly palatable; encourages intake from cows with depressed appetites.*

14% protein from multiple sources. *Helps dry cows meet protein requirements even when consuming lower quality forages.*

GUARANTEED ANALYSIS

Crude Protein (minimum)	14.0%
Crude Fat (minimum)	4.0%
Crude Fiber (maximum)	2.5%
ECP from NPS (maximum)	8.0% *
Calcium (actual)	1.5%
Phosphorus (actual)	2.0%
Magnesium (actual)	2.0%
Sulfur (actual)	0.7%
Sodium (actual)	1.1%
Potassium (actual)	2.4%
Iodine (actual)	35 mg/kg
Copper (actual)	700 mg/kg
Manganese (actual)	2,750 mg/kg
Zinc (actual)	2,750 mg/kg
Cobalt (actual)	10 mg/kg
Fluorine (maximum)	150 mg/kg
Vitamin A (minimum)	200,000 IU/kg
Vitamin D_3 (minimum)	70,000 IU/kg
Vitamin E (minimum)	2,000 IU/kg

**Equivalent crude protein from non-protein Nitrogen sources.*

Net Weight 90.7 kg
Product #: 815043

Masterfeeds Dairy Nutrition
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LOW MOISTURE BLOCK





Sweetlix
WILDLIFE SUPPLEMENT SYSTEM

Controlled, continuous, cost-efficient nutrient delivery.

Sweetlix® weather-resistant pressed supplement blocks deliver balanced nutrients in regular daily doses, promoting optimal animal performance with high-quality ingredients for enhanced palatability and digestion.

SWEETLIX® LIVESTOCK SUPPLEMENTS:

Sweetlix® All-In-One is designed to supplement small ruminants consuming low quality forages and promotes optimum growth and reproduction. Ideal in situations where copper is a concern.

DIRECTIONS FOR USE: FEED AT A RATE OF ONE BLOCK PER FIVE TO TEN HEAD. SHEEP AND GOATS SHOULD CONSUME 50 TO 100 G PER HEAD DAILY.

Sweetlix® Meat Maker® is designed to promote the health and well-being of your goats through proper nutrition. Added Bioplex® organic trace minerals are easily absorbed and readily metabolized.

DIRECTIONS FOR USE: FEED AT A RATE OF ONE BLOCK PER FIVE TO 15 HEAD. GOATS SHOULD CONSUME 50 TO 100 G PER HEAD DAILY.

Sweetlix® Equine Pasture & Hay Balancer is ideal for supplementing hay and limited pastures, delivering 20% protein from all natural sources. Placed directly in pastures or paddocks – no shelter needed.

DIRECTIONS FOR USE: FEED AT A RATE OF ONE BLOCK PER FIVE HEADS. HORSES SHOULD CONSUME AN AVERAGE OF ½ TO 1½ KG PER HEAD DAILY BASED ON A 500 KG ANIMAL.

Sweetlix® 3-in-1 is a multi-purpose block for beef cattle and/or horses. This block is superior to trace mineral salt blocks and can be placed directly in pastures or paddocks – no shelter needed.

DIRECTIONS FOR USE: FEED AT A RATE OF ONE BLOCK PER FIVE HEAD OF CATTLE OR HORSES. CATTLE AND HORSES WILL CONSUME APPROXIMATELY 140 G PER HEAD DAILY.

TIPS FOR USING SWEETLIX® WILDLIFE SUPPLEMENTS:

Mother Nature doesn't always provide enough nutrients for wildlife. Sweetlix® Wildlife supplements fill your conservation needs by keeping populations plentiful and healthy.

- *Locate blocks near feeding, drinking or bedding areas or near walkways.*
- *To use pressed blocks, remove wrapper without touching block to avoid leaving human scent on the block. Take the wrapper with you.*
- *Provide adequate number of blocks (as directed by the product label) to allow access to blocks by targeting wildlife species.*
- *Avoid placing blocks where cattle or other domestic animals will have access to them as they will consume these products. If this is impossible, place blocks in rough terrain where livestock normally do not graze.*
- *Keep blocks available at all times to ensure consistent consumption and to keep wildlife coming back again and again to help promote maximum growth, health and vitality.*

Sweetlix® Whitetail Deer Block is scientifically balanced to supplement deer's natural vegetation by providing protein, minerals, vitamins and energy necessary for optimal growth, antler and bone development and reproduction.

DIRECTIONS FOR USE: CONSUMPTION OF SWEETLIX® WHITE TAIL DEER BLOCK WILL VARY ACCORDING TO BODY WEIGHT AND THE QUALITY AND QUANTITY OF AVAILABLE NATURAL VEGETATION. FEED GROWING AND BREEDING DEER AT THE RATE OF ½ TO 1 KG PER HEAD DAILY.

Sweetlix® Game Bird & Fowl Block is designed especially for the needs of wild fowl. Made with wholesome grains, minerals and vitamins critical for growth and egg production, Sweetlix® provides essential nutrients.

DIRECTIONS FOR USE: PROVIDE FREE-CHOICE TO WILD BIRDS. IT MAY BE NECESSARY TO PROVIDE MORE THAN ONE BLOCK FOR ACCESS PURPOSES. PLACE BLOCKS IN AN APPROPRIATE FEEDER OR ON THE GROUND AWAY FROM EXCESSIVE MOISTURE.

Sweetlix® 10% Phos Mineral/Vitamin is formulated to address seasonal/forage variables as well as differing animal needs.
DIRECTIONS FOR USE: FEED ONE BLOCK PER FIVE HEAD OF CATTLE FREE-CHOICE AT A RATE OF 90 TO 230 G PER HEAD DAILY.

**200 lb tubs include 20% All-Purpose Compressed (for beef cattle, horses, sheep and goats), 20% & 25% Compressed (for beef cattle).*



Ask us about our 200 lb self-fed Sweetlix® tubs!*

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ONLY AVAILABLE THROUGH MASTERFEEDS OR YOUR LOCAL MASTERFEEDS DEALER.

Sweetlix SUPPLEMENT SYSTEM

Sweetlix
SUPPLEMENT SYSTEM

10% PHOS
MINERAL/VITAMIN BLOCK
FOR BEEF CATTLE & DAIRY HEIFERS

BEEF & DAIRY HEIFER BLOCK

Sweetlix® 10% Phos Mineral/Vitamin Block is a convenient weather-resistant block that eliminates the need for expensive mineral feeders. This pressed block is formulated to address seasonal and forage variables as well as differing animal needs. The Sweetlix® supplement system has a solution for all your livestock nutrition challenges.

FEEDING DIRECTIONS:

To be fed free-choice at the rate of 90 to 230 g of block per head daily.

Feed one block per five head of cattle. This allows all animals equal access to blocks.

Place blocks where animals congregate. Locate blocks throughout pasture, placing them near water and loafing areas. Maintain adequate distance between blocks (three metres minimum).

Do not allow animals to run out of blocks. When a block is half-consumed, place a new block near it. Place very small pieces in troughs or feed pans.

Cattle should consume 50 to 120 grams per head daily. When cattle consume the block at the recommended rate, it will supply 1.5 to 3 mg of supplemental Selenium.

Blocks can be fed to animals in confinement. Exact location of the blocks to obtain desired consumption will vary between confinement feeding programs.

Feed as the only free-choice source of salt, minerals and vitamins.

FEATURES & BENEFITS:

Complete mineral and vitamin supplement block. *No additional sources of salt or minerals needed.*

Convenient, weather-resistant blocks. *Require no expensive mineral feeders or bunks.*

Compressed 18 kg (40 lb) block.
Easy to handle, improved consumption and results in less feed waste.

Palatable source of Phosphorus, Copper, Selenium and other essential minerals and vitamins.

NOTE:

Store blocks in a cool, dry area away from rodents and insects.

This feed contains added Selenium at 26.5 mg/kg.

GUARANTEED ANALYSIS

Calcium (actual)	10.0%
Phosphorus (actual)	10.0%
Magnesium (actual)	3.0%
Sodium (actual)	5.5%
Iodine (actual)	95 mg/kg
Copper (actual)	1,100 mg/kg
Manganese (actual)	1,500 mg/kg
Zinc (actual)	1,200 mg/kg
Cobalt (actual)	20 mg/kg
Fluorine (maximum)	800 mg/kg
Vitamin A (minimum)	242,000 IU/kg
Vitamin D_3 (minimum)	57,500 IU/kg
Vitamin E (minimum)	220 IU/kg

Net Weight 18.14 kg
Product #: 815997

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