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*Masterlyx™ 18% All-Purpose Block*



## STAGE 1 – SEASONAL BEEF MINERAL PROGRAM

# Winter Premix

Formulated to meet the needs of pregnant beef cows on stockpiled forage

Masterfeeds Blueprint® Winter Premix is a unique and effective approach to beef cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced beef genetics. It is formulated for beef cows to support fetal development during gestation and includes organic trace minerals to support absorption, retention, and utilization.

### Feeding & Management Notes:

Stage 1 of the Seasonal Beef Mineral Program for when cattle are brought in from pasture or winter feeding regime begins.

#### Mid-Gestation:

- Start four to five months bred. End three to four weeks prior to calving.
- Feed to achieve an intake of 100 g/head/day.
- Provide adequate clean fresh water.

Contact your Masterfeeds Nutrition Management Consultant for specific feeding directions.

### Features & Benefits:

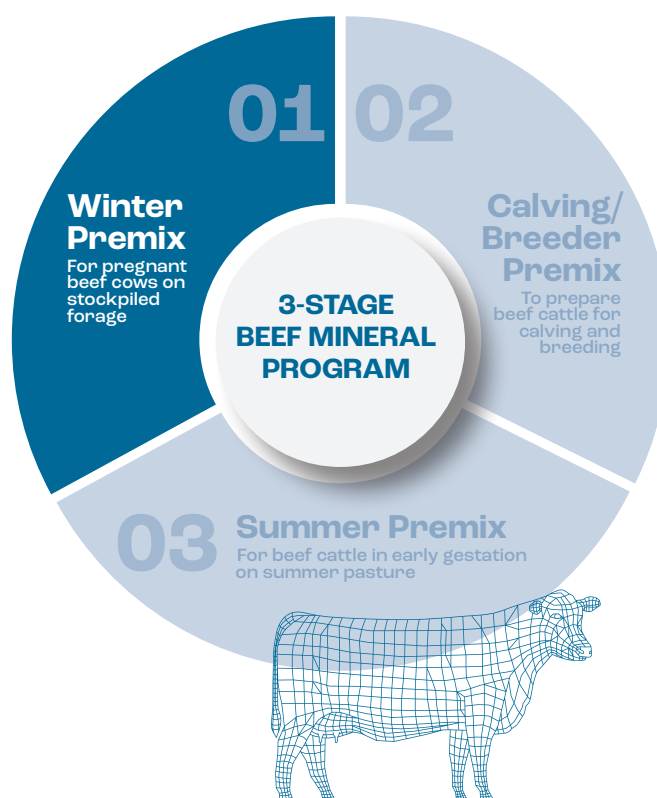
**Alltech's Total Replacement Technology® (TRT).** Achieved through the inclusion of 100% organic/chelated trace minerals in the form of Bioplex® and Sel-Plex® (Selenium yeast). TRT replaces all inorganic sources of trace minerals and Selenium. Organic minerals are readily absorbed, stored and utilized by cattle helping them meet nutrition requirements and achieve optimal health. This modern nutrient management allows for significantly lower trace mineral inclusion levels resulting in a reduced environmental impact.

#### Highly palatable.

Promotes increased intake.

#### 19% Calcium and 5.5% Phosphorous.

Fortifies the diet of cattle consuming hay and moderate cereal forage-based rations.



#### Added Magnesium.

Compliments winter rations consumed during gestation.

**Contains salt.** Regulates intake.

**Enhanced levels of vitamins A, D, & E.**

For growth, reproduction and overall health.

**Net Weight 25 kg**  
**Product #: 801311**



## STAGE 2 – SEASONAL BEEF MINERAL PROGRAM

# Calving / Breeder Premix

Formulated to prepare cattle for calving & breeding

Masterfeeds Blueprint® Calving/Breeder Premix is a unique and effective approach to beef cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced beef genetics. Formulated with organic trace minerals to support absorption, retention, and utilization in beef animals during periods of higher nutrient demands.

### Feeding & Management Notes:

Stage 2 of the Seasonal Beef Mineral Program for cows during calving, early lactation and breeding as well as for service bulls prior to and during breeding.

#### Calving & Breeding:

- Start three to four weeks prior to calving.  
End three to four weeks after bull turnout.
- Feed to achieve an intake of 100 g/head/day.
- Provide adequate clean fresh water.

Contact your Masterfeeds Nutrition Management Consultant for specific feeding directions.

### Features & Benefits:

#### **Alltech's Total Replacement Technology® (TRT).**

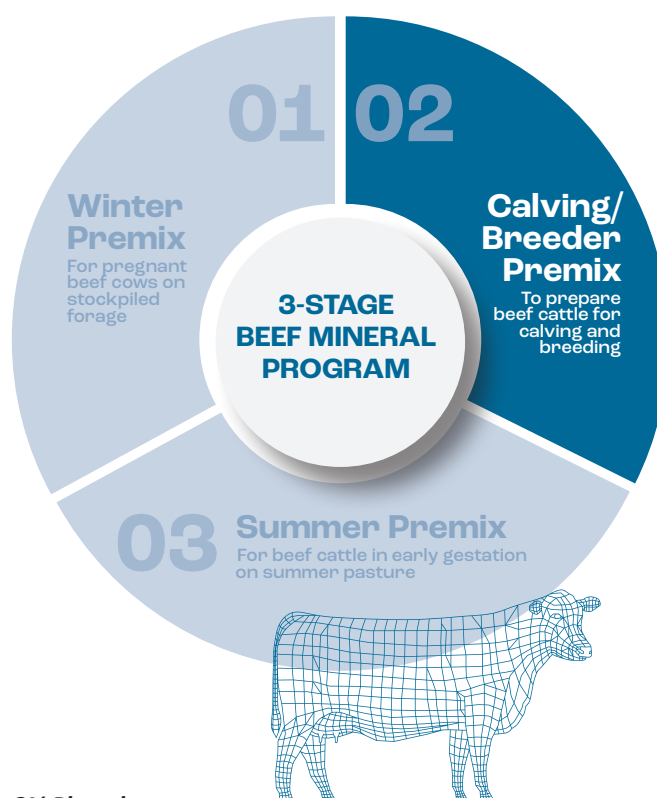
Achieved through the inclusion of 100% organic/chelated trace minerals in the form of Bioplex® and Sel-Plex® (Selenium yeast). TRT replaces all inorganic sources of trace minerals and Selenium. Organic minerals are readily absorbed, stored and utilized by cattle helping them meet nutrition requirements and achieve optimal health. This modern nutrient management allows for significantly lower trace mineral inclusion levels resulting in a reduced environmental impact.

#### **Highly palatable.**

Promotes increased intake.

#### **16% Calcium.**

Fortifies the diet of cattle grazing on spring and summer pastures as well as hay and moderate cereal forage-based rations.



#### **8% Phosphorus.**

For the increased needs of lactating cows and for breeding proficiency.

#### **Increased Magnesium content.**

Supports additional requirements during calving and lactation as well as extra needs while on spring pasture.

#### **Contains salt.** Regulates intake.

#### **Enhanced levels of vitamins A, D, & E.**

For growth, reproduction and overall health.

**Net Weight 25 kg**  
**Product #: 801312**





## STAGE 3 – SEASONAL BEEF MINERAL PROGRAM

# Summer Premix

Formulated to meet the needs of beef cattle in early gestation on summer pasture

Masterfeeds Blueprint® Summer Premix is a unique and effective approach to beef cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced beef genetics. Formulated with organic trace minerals to support absorption, retention, and utilization, our Summer Premix is also available infused with garlic.

### Feeding & Management Notes:

Stage 3 of the Seasonal Beef Mineral Program for summer grazing cattle after breeding has been completed.

#### Early-Gestation:

- Start three to four weeks after bull turnout. End four to five months bred.
- Feed to achieve an intake of 100 g/head/day.
- Provide adequate clean fresh water.

Contact your Masterfeeds Nutrition Management Consultant for specific feeding directions.

### Features & Benefits:

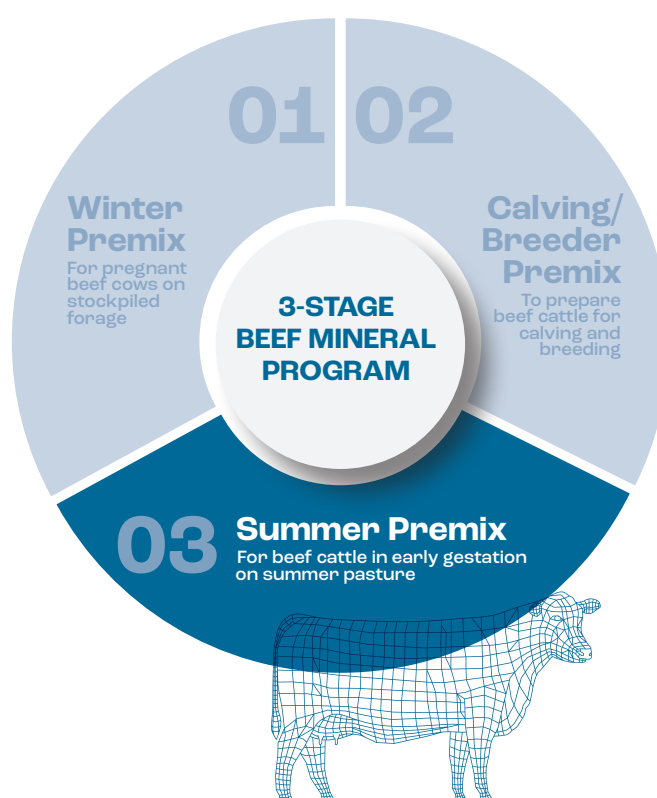
**Alltech's Total Replacement Technology® (TRT).** Achieved through the inclusion of 100% organic/chelated trace minerals in the form of Bioplex® and Sel-Plex® (Selenium yeast). TRT replaces all inorganic sources of trace minerals and Selenium. Organic minerals are readily absorbed, stored and utilized by cattle helping them meet nutrition requirements and achieve optimal health. This modern nutrient management allows for significantly lower trace mineral inclusion levels resulting in a reduced environmental impact.

#### Highly palatable.

Promotes increased intake.

#### 18.5% Calcium and 4% Phosphorous.

Fortifies the diet of cattle grazing on spring and summer pastures.



#### Enhanced level of Iodine.

Increases metabolic rate and accelerates growth.

#### Added Magnesium.

Helps prevent hypomagnesaemia when lush pasture is being consumed.

#### Contains salt. Regulates intake.

**Also available infused with garlic.**  
For added flavouring.

**Net Weight 25 kg**

**Product #: Plain – 801313**

**Garlic – 80131399**





# RiteMins

## beef premixes

## Overcome seasonal challenges with RiteMins beef premixes.

*Strong herds are the cornerstone of beef producer livelihoods and the essence of a sustainable food supply. RiteMins beef premixes support your herd's health and your purpose. Reformulated with three defined seasonal stages, RiteMins beef premixes offer several effective choices in delivering essential minerals to livestock for optimal performance and vitality.*

*Masterfeeds Beef Nutrition Account Managers have a long history of delivering effective, quality products, and are available to help you select the best premix for your operation. Please contact a Masterfeeds Account Manager or Dealer today for more information about RiteMins+ and RiteMins Beef Premix Programs.*

masterfeeds.com |

**NEW!**  
PREMIX  
PROGRAM



**Winter**  
Mid-to late gestation

1



**Calving/Breeder**  
Pre-calving to the end of breeding

2



**Summer**  
After breeding/early gestation

3

**RiteMins+**  
beef premixes

Formulated with  
Solutions from **Alltech**

RiteMins beef premixes are also available in RiteMins+ formulas. RiteMins+ contains the same great features as RiteMins with the added benefit of partially chelated trace minerals in the form of Bioplex® and Sel-Plex®, as well as higher vitamin levels. Immune function, health, fetal development and reproduction, including semen quality, can all be enhanced when chelated trace minerals are consumed. Because of the effective absorption of chelated trace minerals, RiteMins+ beef premixes offer reassurance when there may be absorption issues due to interfering compounds from water sources or from other feed ingredients.

## RiteMins

# WINTER PREMIX *For pregnant beef cows on stockpiled forage.*

**Masterfeeds RiteMins Winter Premix** is a quality salt containing premix that is balanced for feeding to pregnant cows on hay and moderate cereal forage-based winter rations. This premix is designed to meet the requirements of beef cows in early and mid-gestation when consumed at the recommended rate. Feed up until one or two months prior to calving at which time it is recommended switching to RiteMins+ Calving/Breeder Premix.

**FEEDING DIRECTIONS: FEED MASTERFEEDS RITEMINS WINTER PREMIX TO ACHIEVE AN INTAKE OF 100 GRAMS PER HEAD PER DAY AS PART OF A NUTRITIONALLY BALANCED FEEDING PROGRAM. PROVIDE ADEQUATE AND ACCESSIBLE CLEAN, FRESH WATER.**

## RiteMins

# CALVING/BREEDER PREMIX *To prepare beef cattle for calving and breeding*

**Masterfeeds RiteMins Calving/Breeder Premix** is a quality premix with elevated phosphorus as well as balanced trace minerals and vitamins. This premix is designed to meet the more demanding requirements of beef cows for calving and lactation as well as the beef breeding herd when consumed at the recommended rate.

**FEEDING DIRECTIONS: FEED MASTERFEEDS RITEMINS CALVING/BREEDER PREMIX TO ACHIEVE AN INTAKE OF 100 GRAMS PER HEAD PER DAY AS PART OF A NUTRITIONALLY BALANCED FEEDING PROGRAM. PROVIDE ADEQUATE AND ACCESSIBLE CLEAN, FRESH WATER.**

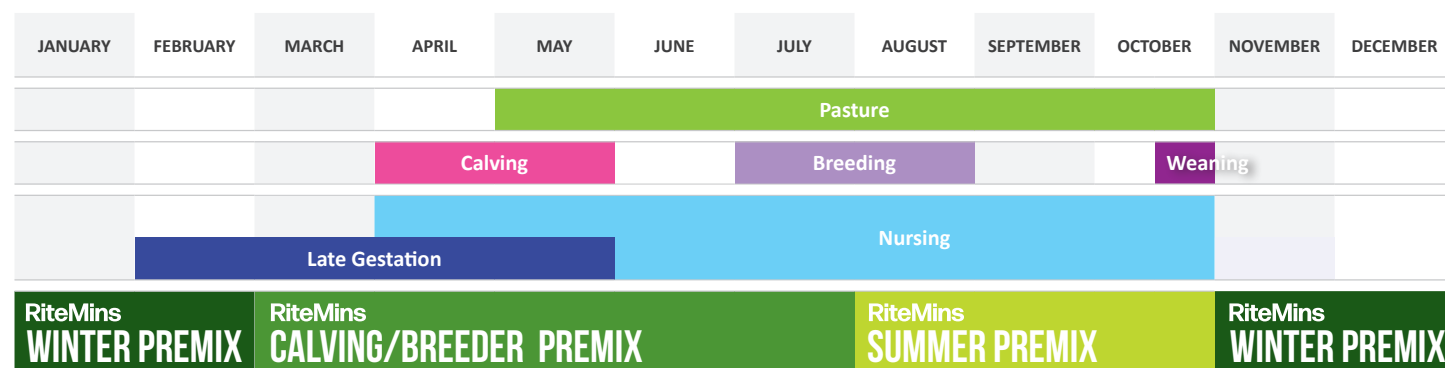
## RiteMins

# SUMMER PREMIX *For beef cattle in early gestation on summer pasture.*

**Masterfeeds RiteMins Summer Premix** is a general purpose salt containing premix that is balanced for cattle feeding on actively growing pasture once breeding is completed. This premix is designed to meet the trace mineral and vitamin requirements of most classes of grazing beef cattle when consumed at the recommended rate. This premix offers some supplementation of phosphorus. If more phosphorus is required and/or higher trace mineral and vitamin levels are desired, consider using RiteMins+ Beef Calving/Breeder Premix. This premix is also available infused with garlic.

**FEEDING DIRECTIONS: FEED MASTERFEEDS RITEMINS SUMMER PREMIX TO ACHIEVE AN INTAKE OF 100 GRAMS PER HEAD PER DAY AS PART OF A NUTRITIONALLY BALANCED FEEDING PROGRAM. PROVIDE ADEQUATE AND ACCESSIBLE CLEAN, FRESH WATER.**

## How to feed RiteMins & RiteMins+ seasonal beef premixes



**Masterfeeds** Beef Nutrition  
an **Altech** company





**Masterfeeds®**  
an **Altech®** company

**NEW!**  
PREMIX  
PROGRAM

**Masterfeeds RiteMins Winter Premix** is a quality salt containing premix that is balanced for feeding cattle in winter. This premix is designed to meet the requirements of beef cows in early and mid-gestation when consumed at the recommended rate.

#### WHO USES:

Primarily intended for feeding to pregnant cows on hay and moderate cereal forage-based winter rations. Feed up until one or two months prior to calving at which time it is recommended switching to RiteMins+ Calving/Breeder Premix.

#### FEEDING DIRECTIONS:

Feed Masterfeeds RiteMins Winter Premix to achieve an intake of 100 grams per head per day as part of a nutritionally balanced feeding program. Provide adequate and accessible clean, fresh water. Contact your Masterfeeds Account Manager for specific feeding directions.

#### FEATURES & BENEFITS:

##### **20% Calcium.**

*Fortifies the diet of cattle consuming most stored forages.*

##### **5.5% Phosphorus and 2.5% Magnesium.**

*Compliments rations consumed during early and mid-gestation.*

##### **18% Salt.**

*Improves palatability and helps enhance and regulate intake. Also supplies most of the sodium requirement. If sodium content in the available water source is low, additional supplementation through a salt block is recommended.*

##### **Contains trace minerals.**

*Promotes fetal growth and immune support.*

##### **Selenium added at 30mg/kg.**

*Increases resistance to diseases.*

##### **Balanced levels of vitamins A, D & E.**

*Contribute to overall animal and fetal health and disease resistance.*

##### **Available in a medicated formula.**

*For the prevention of coccidiosis.*

## RiteMins<sup>+</sup>

beef premixes

RiteMins beef premixes are also available in RiteMins+ formulas. RiteMins+ contains the same great features as RiteMins with the added benefit of partially chelated trace minerals in the form of Bioplex® and Sel-Plex®, as well as higher vitamin levels. Immune function, health, fetal development and reproduction, including semen quality, can all be enhanced when chelated trace minerals are consumed. Because of the effective absorption of chelated trace minerals, RiteMins+ beef premixes offer reassurance when there may be absorption issues due to interfering compounds from water sources or from other feed ingredients.

**Net Weight 25 kg**  
**Product #: RiteMins – 801331 | RiteMins+ – 801321**



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an **Altech®** company



**RiteMins**  
beef premixes

# CALVING/ BREEDER PREMIX



**Masterfeeds**  
an **Alltech** company

**NEW!**  
PREMIX  
PROGRAM

## Masterfeeds RiteMins Calving/Breeder Premix

is a quality premix with elevated phosphorus as well as balanced trace minerals and vitamins. This premix is designed to meet the more demanding requirements of beef cows for calving and lactation as well as the beef breeding herd when consumed at the recommended rate.

### WHO USES:

Primarily intended for feeding to cows one to two months prior to calving through to the end of breeding as well as for service bulls at least one month prior to breeding and throughout the breeding season. It is also recommended during other times when higher levels of mineral and vitamin supplementation are required.

### FEEDING DIRECTIONS:

Feed Masterfeeds RiteMins Calving/Breeder Premix to achieve an intake of 100 grams per head per day as part of a nutritionally balanced feeding program. Provide adequate and accessible clean, fresh water. Contact your Masterfeeds AccountManager for specific feeding directions.

### FEATURES & BENEFITS:

#### **16% Calcium.**

*Fortifies the diet of cattle grazing on spring and summer pastures as well as hay and moderate cereal forage-based rations.*

#### **8% Phosphorus.**

*For the increased needs of lactating cows and for breeding proficiency.*

#### **18% Salt.**

*Improves palatability and helps enhance and regulate intake. Also supplies most of the sodium requirement. If sodium content in the available water source is low, additional supplementation through a salt block is recommended.*

#### **Added Magnesium.**

*Helps prevent hypomagnesaemia, especially during calving and lactation when requirements are higher. Extra magnesium is also advantageous when lush pasture is being consumed.*

#### **Available in a medicated formula.**

*For the prevention of coccidiosis.*

## RiteMins<sup>+</sup> beef premixes

RiteMins beef premixes are also available in RiteMins<sup>+</sup> formulas. RiteMins<sup>+</sup> contains the same great features as RiteMins with the added benefit of partially chelated trace minerals in the form of Bioplex<sup>®</sup> and Sel-Plex<sup>®</sup>, as well as higher vitamin levels. Immune function, health, fetal development and reproduction, including semen quality, can all be enhanced when chelated trace minerals are consumed. Because of the effective absorption of chelated trace minerals, RiteMins<sup>+</sup> beef premixes offer reassurance when there may be absorption issues due to interfering compounds from water sources or from other feed ingredients.

**Available infused with garlic.**  
*For added flavouring.*

**Contains trace minerals.**  
*Including additional zinc and copper to encourage skin and hoof health, growth, immune support and reproduction.*

**Selenium added at 30mg/kg.**  
*Prevents white muscle disease and retained placentas and also increases resistance to diseases.*

**Balanced levels of vitamins A, D & E.**  
*Contribute to overall animal and fetal health and disease resistance.*

**Note:** The level of magnesium in this mineral may be insufficient alone to prevent hypomagnesaemia. Consult your Masterfeeds Nutritionist regarding the suitability of this premix if you are feeding very low magnesium or very high potassium feeds.

**Net Weight 25 kg**

**Product #: RiteMins – 801332 | RiteMins<sup>+</sup> – 801322**



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**Masterfeeds®**  
an **Altech®** company

**NEW!**  
PREMIX  
PROGRAM

**RiteMins**  
beef premixes

# SUMMER PREMIX

**Masterfeeds RiteMins Summer Premix** is a general purpose salt containing premix that is balanced for cattle feeding on growing pasture. This premix is designed to meet the trace mineral and vitamin requirements of most classes of grazing beef cattle when consumed at the recommended rate.

## WHO USES:

Primarily intended for feeding to cattle on actively growing pasture once breeding is completed. This premix offers some supplementation of phosphorus. If more phosphorus is required and/or higher trace mineral and vitamin levels are desired, consider using RiteMins+ Beef Calving/Breeder Premix.

## FEEDING DIRECTIONS:

Feed Masterfeeds RiteMins Summer Premix to achieve an intake of 100 grams per head per day as part of a nutritionally balanced feeding program. Provide adequate and accessible clean, fresh water. Contact your Masterfeeds Account Manager for specific feeding directions.

## FEATURES & BENEFITS:

### **19.5% Calcium.**

*Fortifies the diets of cattle consuming grass and mixed pastures.*

### **4% Phosphorus and 2% Magnesium.**

*Compliments mid to late seasonal pasture feeding of cattle.*

### **20% Salt.**

*Improves palatability and helps enhance and regulate intake. Also supplies most of the sodium requirement. If sodium content in the available water source is low, additional supplementation through a salt block is recommended.*

### **Contains trace minerals.**

*Promotes fetal growth and immune support.*

### **Selenium added at 30mg/kg.**

*Increases resistance to diseases.*

**RiteMins+**  
beef premixes

RiteMins beef premixes are also available in RiteMins+ formulas. RiteMins+ contains the same great features as RiteMins with the added benefit of partially chelated trace minerals in the form of Bioplex® and Sel-Plex®, as well as higher vitamin levels. Immune function, health, fetal development and reproduction, including semen quality, can all be enhanced when chelated trace minerals are consumed. Because of the effective absorption of chelated trace minerals, RiteMins+ beef premixes offer reassurance when there may be absorption issues due to interfering compounds from water sources or from other feed ingredients.

### **Balanced levels of vitamins A, D & E.**

*Contribute to overall animal and fetal health and disease resistance.*

### **Available in a medicated formula.**

*For the prevention of coccidiosis.*

### **Available infused with garlic.**

*For added flavouring.*

**Net Weight 25 kg**

**Product #: RiteMins – 801333 | RiteMins+ – 801323**



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an **Altech®** company





# ShowStopper™

CHOICE OF CHAMPIONS

## SHOW FEED

**High energy  
diets that work  
towards  
the big day.**

*ShowStopper™ rations are formulated to supply energy-dense diets as animals work towards the big day – putting on pounds efficiently until you are ready to maintain show day target weight. These show rations contain a blend of rolled grains plus pelleted protein, yeast, high levels of minerals and vitamins, and natural and artificial flavours to enhance intake. All Masterfeeds ShowStopper™ beef rations are available plain or medicated with monensin sodium to aid in the prevention of coccidiosis. Minimum order volume may apply for medicated options.*

### Textured SHOW FEEDS

## ShowStopper™ ACCELERATOR

*For growing purebred  
or other show calves.*

ShowStopper™ Accelerator is a high quality, 13% crude protein textured ration that contains a blend of barley, oats and corn, chelated trace minerals, yeast and molasses to enhance intake. Accelerator is designed to promote frame growth, body, bloom and a smooth finish. Accelerator is intended for growing purebred or other show calves, and especially 4-H calves prior to their being placed on a final, high energy finishing ration. Ideally, recently weaned calves should be started on a Masterfeeds creep ration. Once the calves have grown to their desired size, they can be converted to ShowStopper™ Full Throttle.

**FEEDING DIRECTIONS: FEED THIS RATION TO BEEF CATTLE AT AROUND ⅔ OF TOTAL INTAKE ALONG WITH ⅓ GOOD QUALITY HAY AND ACCESS TO CLEAN, FRESH WATER.**



## ShowStopper™ FULL THROTTLE

*Finishing feed for show calves  
during the final 100 days leading up  
to the show.*

ShowStopper™ Full Throttle is a high-energy textured complete feed formulated to maximize animal performance and provide “bloom” and a smooth finish. Masterfeeds ShowStopper™ Full Throttle Beef Feed is intended for feeding to 4-H and other show calves during the final 100 days leading up to the show. Once calves achieve a desired level of finish they can be maintained on either Masterfeeds ShowStopper™ High Fibre or ShowStopper™ Dimension.

**FEEDING DIRECTIONS: FEED THIS RATION TO BEEF CATTLE AT UP TO 2% OF BODY WEIGHT ALONG WITH AT LEAST 0.9 KG (3 LBS) OF GOOD QUALITY HAY AND ACCESS TO CLEAN, FRESH WATER.**

## ShowStopper™ HIGH FIBRE

*For getting cattle in ideal  
show ring condition.*

ShowStopper™ High Fibre is a high quality textured show feed that contains corn, oats, beet pulp and cotton seed hulls. It is intended for all classes of show cattle leading up to the big day. High Fibre is designed to give cattle the ideal show ring condition while maintaining freshness and adding rib shape and body volume. It can be used in a variety of programs to prevent the development of excessive condition.

**FEEDING DIRECTIONS: FEED THIS RATION TO BEEF CATTLE AT UP TO 2% OF BODY WEIGHT ALONG WITH GOOD QUALITY FORAGE AND ACCESS TO CLEAN, FRESH WATER.**

## PELLETED SHOW FEEDS

### ShowStopper™ DRIVER

*For both growing and mature  
show animals.*

**ShowStopper™ Driver** is a high quality, 13% crude protein pelleted ration that contains chelated trace minerals, yeast, and flavours to enhance intake. Driver is designed to promote frame growth, as well as provide bloom and a smooth finish. Driver can be fed to an entire show string from calves to cow calf pairs, heifers or bulls. Driver beef pellets are designed to get all classes of beef show animals ready for show day. Calves just off creep can easily transition onto Driver and it works equally well to improve condition and get mature animals ready for the show ring.

**FEEDING DIRECTIONS: INTRODUCE SHOWSTOPPER DRIVER GRADUALLY OVER THE COURSE OF ONE TO TWO WEEKS BY BLENDING WITH CURRENT FEEDING PROGRAM. FEED DRIVER TO BEEF CATTLE AT UP TO 2% OF BODY WEIGHT ALONG WITH GOOD QUALITY HAY AND ACCESS TO CLEAN, FRESH WATER.**

### ShowStopper™ DIMENSION

*Multi-purpose show feed for  
maximizing gut fill in show cattle.*

**ShowStopper™ Dimension** is a pelleted show feed, formulated with high quality sources of rumen degradable fibre that promotes optimal digestion, increased gut fill, and improves overall gut health. Because fibre is the primary source of energy, Dimension Show Ration is very versatile making it a multi-use feed for all show animals. Dimension contains Bioplex® chelated minerals that are highly available to the animal and other technologies to boost intake and minimize digestive upset.

**FEEDING DIRECTIONS: BEGIN FEEDING AT ONE-THIRD OF TOTAL INTAKE AND GRADUALLY INCREASE INCLUSION OF THE DIMENSION PELLET AS DESIRED TO ROUGHLY 1% OF BODY WEIGHT, OR UP TO ONE-HALF OF TOTAL INTAKE. ALWAYS PROVIDE ACCESS TO CLEAN, FRESH WATER.**

### ShowStopper™ DENSITY

*Energy-dense show feed to  
maximize weight gain and finish  
during the last 100 days leading  
up to the show.*

**ShowStopper™ Density** is an energy-dense pelleted show feed that promotes gain and puts an ideal level of finish on show cattle to get them ready for the ring. High fat levels provide the animal with an even layer of finish and a shiny hair coat. In order to achieve the desired energy level, ShowStopper™ Density utilizes a high energy extruded pellet. Once calves reach desired level of finishing, they can be maintained on either ShowStopper™ High Fibre or Dimension. ShowStopper™ Density should be fed after Accelerator or Driver.

**FEEDING DIRECTIONS: INTRODUCE THIS RATION GRADUALLY OVER THE COURSE OF ONE TO TWO WEEKS BY BLENDING WITH CURRENT FEEDING PROGRAM IN ORDER FOR PROPER ACCLIMATION TO TAKE PLACE. FEED SHOWSTOPPER™ DENSITY TO BEEF SHOW CATTLE OVER 400 KG (900 LBS) BODY WEIGHT AT UP TO 2% OF BODY WEIGHT ALONG WITH AT LEAST 2.3 KG (5 LBS) OF GOOD QUALITY FORAGE AND ACCESS TO CLEAN, FRESH WATER.**



#### GUARANTEED ANALYSIS COMPARISON CHART

Product Name	Product Code	Bag Size	Protein (%) min.	Fat (%) min.	Fibre (%) max.	Ca (%) act.	P (%) act.	Na (%) act.	Se (mg/kg) added	Vit A (IU/kg) min.	Vit D (IU/kg) min.	Vit E (IU/kg) min.
ShowStopper™ Accelerator (Textured)	502399	20 kg	13.0	3.5	8.5	1.3	0.4	0.13	0.3	12,000	2,000	75
ShowStopper™ Full Throttle (Textured)	501403	20 kg	12.0	5.0	6.0	1.3	0.4	0.13	0.3	12,000	2,000	75
ShowStopper™ High Fibre (Textured)	501404	20 kg	11.0	2.0	19.0	1.2	0.3	0.13	0.3	12,000	2,000	75
ShowStopper™ Driver (Pellet)	501405	25 kg	13.0	3.5	12.0	1.3	0.7	0.12	0.3	12,000	2,000	75
ShowStopper™ Dimension (Pellet)	501490	25 kg	12.0	3.0	26.0	1.5	0.4	0.2	0.3	12,000	2,000	75
ShowStopper™ Density (Pellet)	501407	25 kg	12.0	5.5	10.0	1.0	0.6	0.14	0.3	12,000	2,000	75



**Masterfeeds** Beef Nutrition  
an Altech company



Formulated with  
Solutions from

**Altech**



Masterfeeds ShowStopper™ Accelerator is a high quality, 13% crude protein textured ration that contains a blend of barley, and corn, chelated trace minerals, yeast and molasses to enhance intake. Accelerator is designed to promote frame growth, body, bloom and a smooth finish.

#### WHO USES:

Masterfeeds ShowStopper™ Accelerator is intended for growing purebred or other show calves, and especially 4-H calves prior to their being placed on a final, high energy finishing ration. Ideally, recently weaned calves should be started on a Masterfeeds creep ration. Once the calves have grown to their desired size, they can be converted to ShowStopper™ Full Throttle.

#### FEEDING DIRECTIONS:

Feed this ration to beef cattle at around  $\frac{2}{3}$  of total intake along with  $\frac{1}{3}$  good quality hay and access to clean, fresh water.

Changes to the feeding program should be made gradually for adaptation to take place. Consult your Masterfeeds Account Manager for further information.

#### FEATURES & BENEFITS:

**13% crude protein.** High protein for lean growth; complements hay feeding.

**Contains yeast.** Aids in maintaining optimal rumen function and digestion; promotes intake.

**Rolled barley, oats and corn, 6% digestible fibre as wheat.** Highly palatable and digestible source of energy; reduced risk of digestive problems.

**Chelated trace minerals, including Selenium.** Higher absorption and bioavailability.

**Fortified with high levels of Vitamin E.** Enhances performance and resistance to disease.

**Added molasses.** Promotes and enhances intake.

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***This feed contains added Selenium at 0.3 mg/kg.***

#### GUARANTEED ANALYSIS

Crude Protein (minimum).....	13.0%
Crude Fat (minimum) .....	3.5%
Crude Fibre (maximum) .....	8.5%
Calcium (actual).....	1.3%
Phosphorus (actual) .....	0.4%
Sodium (actual) .....	0.13%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D (minimum) .....	2,000 IU/kg
Vitamin E (minimum) .....	75 IU/kg

**Net Weight 20 kg**  
**Product #: 502399**



# ShowStopper™ FULL THROTTLE

FINISHING FEED FOR SHOW CALVES DURING THE  
FINAL 100 DAYS LEADING UP TO THE SHOW

  
Masterfeeds®  
an Alltech company

Formulated with  
Solutions from

Alltech®

Masterfeeds ShowStopper™ Full Throttle is a high-energy textured complete feed formulated to maximize animal performance and provide “bloom” and a smooth finish.

## WHO USES:

Masterfeeds ShowStopper™ Full Throttle Beef Feed is intended for feeding to 4-H and other show calves during the final 100 days leading up to the show. Once calves achieve a desired level of finish they can be maintained on either Masterfeeds ShowStopper™ High Fibre or ShowStopper™ Dimension.

## FEEDING DIRECTIONS:

Feed this ration to beef cattle at up to 2% of body weight along with at least 0.9 kg (3 lbs) of good quality hay and access to clean, fresh water.

Changes to the feeding program should be made gradually for adaptation to take place. Consult your Masterfeeds Account Manager for further information.

## FEATURES & BENEFITS:

**12% crude protein.** High protein for lean growth; complements hay feeding.

**Contains corn and beet pulp.** Maximum energy content for maximum growth rate and degree of finish with minimum risk of digestive problems.

**Contains yeast.** Aids in maintaining optimal rumen function and digestion; promotes intake.

**Chelated trace minerals, including Selenium.** Higher absorption and bioavailability.

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***This feed contains added Selenium at 0.3 mg/kg.***

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## GUARANTEED ANALYSIS

Crude Protein (minimum).....	12.0%
Crude Fat (minimum) .....	5.0%
Crude Fibre (maximum).....	6.0%
Calcium (actual).....	1.3%
Phosphorus (actual) .....	0.4%
Sodium (actual) .....	0.13%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D (minimum).....	2,000 IU/kg
Vitamin E (minimum) .....	75 IU/kg

Net Weight 20 kg  
Product #: 501403

Masterfeeds® Beef Nutrition  
an Alltech company

# ShowStopper™

## HIGH FIBRE

FOR IDEAL SHOW RING CONDITION



  
Masterfeeds®  
an Alltech company

Formulated with  
Solutions from 

Masterfeeds ShowStopper™ High Fibre is a high quality textured show feed that contains barley, beet pulp and cotton seed hulls. It is intended for all classes of show cattle leading up to the big day.

#### WHO USES:

Masterfeeds ShowStopper™ High Fibre is designed to give cattle the ideal show ring condition while maintaining freshness and adding rib shape and body volume. It can be used in a variety of programs to prevent the development of excessive condition.

#### FEEDING DIRECTIONS:

Feed this ration to beef cattle at up to 2% of body weight along with good quality forage and access to clean, fresh water.

Changes to the feeding program should be made gradually for adaptation to take place. Consult your Masterfeeds Account Manager for further information.

#### FEATURES & BENEFITS:

**11% crude protein.** High level of palatable, usable protein; complements hay feeding; helps prevent muscle loss when intake is low.

**Contains yeast.** Aids in the re-establishment of normal rumen function; promotes intake.

**Chelated trace minerals, including Selenium.** Higher absorption and bioavailability.

**Formulated with beet pulp and cottonseed hulls.** For an expanded look.

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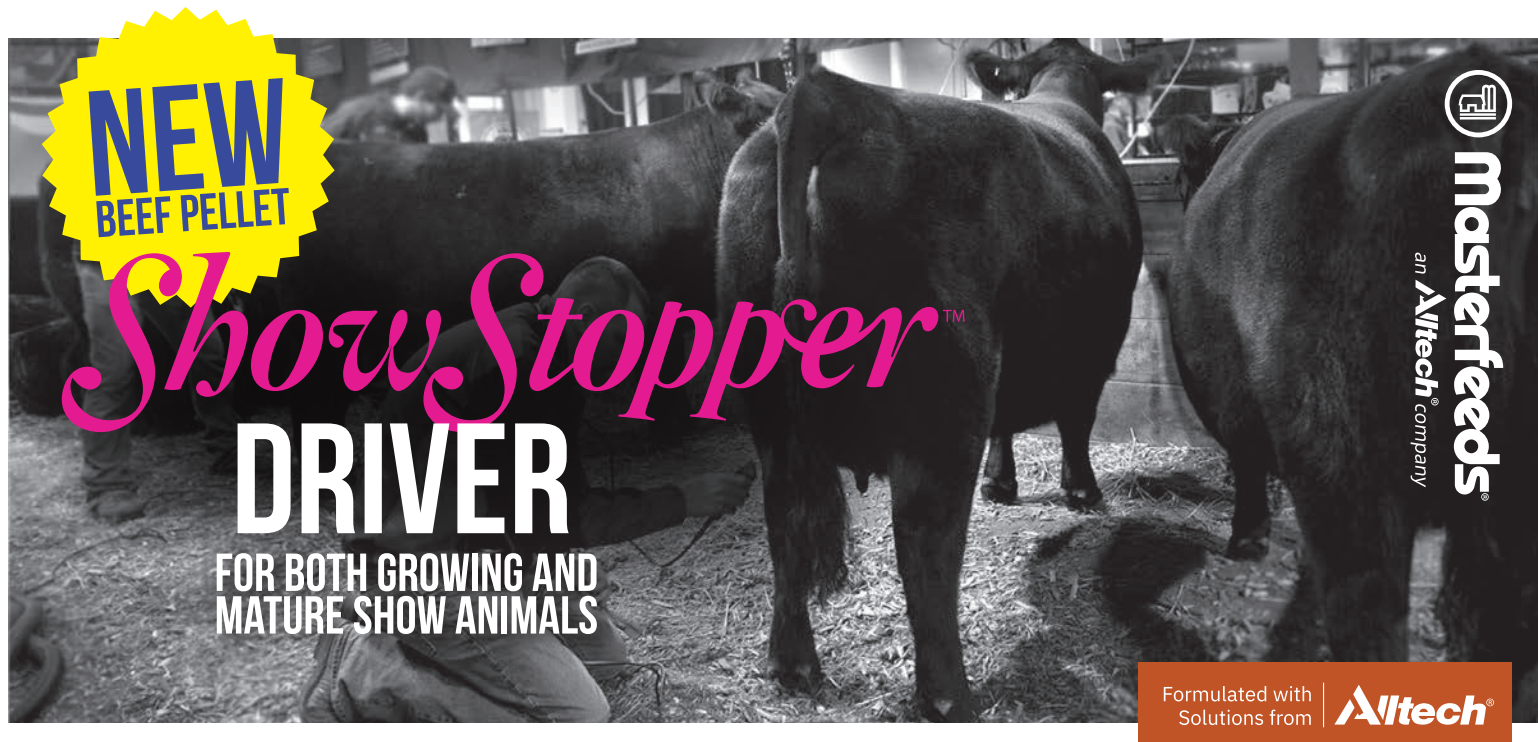
**This feed contains added Selenium at 0.3 mg/kg.**

#### GUARANTEED ANALYSIS

Crude Protein (minimum).....	11.0%
Crude Fat (minimum) .....	2.0%
Crude Fibre (maximum).....	19.0%
Calcium (actual).....	1.2%
Phosphorus (actual) .....	0.3%
Sodium (actual) .....	0.13%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D (minimum).....	2,000 IU/kg
Vitamin E (minimum) .....	75 IU/kg

Net Weight 20 kg  
Product #: 501404

 Masterfeeds® Beef Nutrition  
an Alltech company



Masterfeeds ShowStopper™ Driver is a high quality, 13% crude protein pelleted ration that contains chelated trace minerals, yeast, and flavours to enhance intake. Driver is designed to promote frame growth, as well as provide bloom and a smooth finish. Driver can be fed to an entire show string from calves to cow calf pairs, heifers or bulls.

#### WHO USES:

Masterfeeds ShowStopper™ Driver beef pellets are designed to get all classes of beef show animals ready for show day. Calves just off creep can easily transition onto Driver and it works equally well to improve condition and get mature animals ready for the show ring.

#### FEEDING DIRECTIONS:

Introduce ShowStopper™ Driver gradually over the course of one to two weeks by blending with current feeding program. Feed Driver to beef cattle at up to 2% of body weight along with good quality hay and access to clean, fresh water.

Changes to the feeding program should be made gradually for adaptation to take place. Consult your Masterfeeds Account Manager for further information.

#### FEATURES & BENEFITS:

**13% crude protein.** High protein for lean growth; complements hay feeding.

**10% digestible fibre.** Highly palatable and digestible source of energy; reduces risk of digestive problems.

**Contains yeast.** Aids in maintaining optimal rumen function and digestion; promotes intake.

**Chelated trace minerals, including Selenium.** Higher absorption and bioavailability.

**Fortified with high levels of Vitamin E.** Enhances performance and resistance to disease.

**Added molasses.** Promotes and enhances intake.

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**This feed contains added Selenium at 0.3 mg/kg.**

#### GUARANTEED ANALYSIS

Crude Protein (minimum).....	13.0%
Crude Fat (minimum) .....	3.5%
Crude Fibre (maximum).....	12.0%
Calcium (actual).....	1.3%
Phosphorus (actual) .....	0.7%
Sodium (actual) .....	0.12%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	2,000 IU/kg
Vitamin E (minimum) .....	75 IU/kg

**Net Weight 25 kg**  
**Product #: 501405**



**NEW**  
**BEEF PELLET**

# ShowStopper™ DIMENSION

**A MULTIPURPOSE SHOW FEED FOR  
MAXIMIZING GUT FILL IN SHOW CATTLE**

**Masterfeeds**  
an Alltech company

Formulated with  
Solutions from

**Alltech**

Masterfeeds ShowStopper™ Dimension is a pelleted show feed, formulated with high quality sources of rumen degradable fibre that promotes optimal digestion, increased gut fill, and improves overall gut health. Because fibre is the primary source of energy, Dimension is very versatile making it a multi-use feed for all show animals. Dimension contains Bioplex® chelated minerals that are highly available to the animal and other technologies to boost intake and minimize digestive upset.

## WHO USES:

Producers wishing to feed a premium show cattle ration, purebred breeders fitting cattle for sale and/or 4-H groups.

## DIRECTIONS FOR USE:

Begin feeding at one-third of total intake and gradually increase inclusion of the Dimension pellet as desired to roughly 1% of body weight, or up to one-half of total intake. Always provide access to clean, fresh water.

Changes to the feeding program should be made gradually for adaptation to take place. Follow an on-farm feeding program provided by your Masterfeeds Account Manager.

## FEATURES & BENEFITS:

**Contains 25% crude fibre.** From a variety of high quality sources.

**Contains added flavour.** Enhances intake.

**Contains Select GH®.** Helps to optimize gut health, particularly during periods of stress such as when cattle are being transported to shows.

**100% Sel-Plex® Selenium.** Readily absorbed, stored and utilized by the animal to optimize animal performance. Selenium supports reproductive health, protects integrity of tissues, and is readily transmissible from placenta to fetus.

**100% of trace minerals coming from Bioplex®.** Easily absorbed, readily metabolized to optimize animal performance. Organic trace minerals contribute to reproductive performance, and support the body's defense system.

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**This feed contains added Selenium at 0.3 mg/kg.**

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	12.0%
Crude Fat (minimum) .....	3.0%
Crude Fibre (maximum).....	26.0%
Calcium (actual).....	1.3%
Phosphorus (actual) .....	0.4%
Sodium (actual) .....	0.2%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	2,000 IU/kg
Vitamin E (minimum) .....	75 IU/kg

**Net Weight 25 kg**  
**Product #: 501490**

 **Masterfeeds** Beef Nutrition  
an Alltech company

**NEW**  
**BEEF PELLET**

# ShowStopper™ DENSITY

**AN ENERGY-DENSE SHOW FEED  
TO MAXIMIZE GAIN & IDEAL FINISH**

**Masterfeeds**  
an Alltech company

Formulated with  
Solutions from

**Alltech**

Masterfeeds ShowStopper™ Density is an energy-dense pelleted show feed that promotes gain and puts an ideal level of finish on show cattle to get them ready for the ring. High fat levels provide the animal with an even layer of finish and a shiny hair coat. In order to achieve the desired energy level, ShowStopper™ Density utilizes a high energy extruded pellet.

## WHO USES:

Producers looking for an energy-dense show feed for their premium show cattle to maximize weight gain during the 100 days leading up to the show. Once calves reach desired level of finishing, they can be maintained on either ShowStopper™ High Fibre or Dimension. ShowStopper™ Density should be fed after Accelerator or Driver.

## DIRECTIONS FOR USE:

Introduce ShowStopper™ Density gradually over the course of one to two weeks by blending with current feeding program in order for proper acclimation to take place. Feed ShowStopper™ Density to beef show cattle over 400 kg (900 lbs) body weight at up to 2% of body weight along with at least 2.3 kg (5 lbs) of good quality forage and access to clean, fresh water.

Consult your Masterfeeds Account Manager for further feeding directions.

## FEATURES & BENEFITS:

**12% crude protein.** High protein for lean growth; complements hay feeding.

**High Fat.** Main energy source; maintains shiny hair coat; even layer of finish; Includes an extruded fat pellet.

**Net Weight 25 kg**  
**Product #: 501407**

**Contains yeast.** Aids in maintaining optimal rumen function and digestion; promotes intake.

**100% Sel-Plex® Selenium.** Readily absorbed, stored and utilized by the animal to optimize animal performance. Selenium supports reproductive health, protects integrity of tissues, and is readily transmissible from placenta to fetus.

**100% of trace minerals coming from Bioplex®.** Easily absorbed, readily metabolized to optimize animal performance. Organic trace minerals contribute to reproductive performance, and support the body's defense system.

**Contains molasses and added flavour.** Promotes and enhances intake

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**This feed contains added Selenium at 0.3 mg/kg.**

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	12.0%
Crude Fat (minimum) .....	5.5%
Crude Fibre (maximum).....	10.0%
Calcium (actual).....	1.0%
Phosphorus (actual) .....	0.6%
Sodium (actual) .....	0.14%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	2,000 IU/kg
Vitamin E (minimum) .....	75 IU/kg

 **Masterfeeds** Beef Nutrition  
an Alltech company



## STAGE 1 – BEEF FEEDLOT PROGRAM

**Starter Premix**

Formulated to target nutrient requirements  
of cattle entering the feedlot

Masterfeeds Blueprint® Feedlot Starter Beef Premix is a unique and effective approach to beef cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced beef genetics. It is part of a premix program formulated to target the specific nutrient requirements of young cattle entering the feedlot and to boost intake and support overall calf health.

**Feeding & Management Notes:**

- Designed for calves weighing 200 – 300 kgs (450 – 650 lbs) entering the feedlot.
- Feeding rate: 180 g (0.4 lbs) per head per day.
- Provide access to clean, fresh water at all times.
- This premix contains salt. Another source of free-choice salt is not required.
- Changes to feeding program should be made gradually for adaptation to take place.

**Feeding Directions:**

Mix premix with total ration or with grain portion of the ration before feeding. Feed the resultant mix at a level such that cattle will receive about 180 g (0.4 lbs) per head per day of premix. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

**Features & Benefits:**

**Alltech's Total Replacement Technology™ (TRT).** Achieved through the inclusion of 100% chelated trace minerals in the form of Bioplex® and Sel-Plex® (Selenium yeast). TRT increased bioavailability of nutrients essential for immune responses, hoof health, cellular health, skeletal growth, feed efficiency, and energy metabolism. This modern nutrient management allows for significantly lower trace mineral inclusion levels resulting in a reduced environmental impact.

**High calcium.** Balances high levels of phosphorus coming in from byproduct feeds like distiller's grains.

**Sel-Plex®.** A natural form of Selenium that contributes to stronger immune systems, better productivity and works as an antioxidant leading to higher nutritional value of meat.

**Actigen®.** Supports overall health and performance in young cattle entering the feedlot by stimulating the natural defenses of the animal and aiding in nutrient utilization contributing to meat marketability.

**Contains salt.** Regulates intake and contributes to sodium requirement.

**Thiamine (Vitamin B1).** Helps guard against sulfur toxicity, ie. polioencephalomalacia.

**Vitamins.** Enhance performance and resistance to disease.

**Additive options available for:** Coccidiosis control, fly control, improved feed efficiency and weight gain, protection against feed mycotoxins, and ruminal buffer to reduce digestive upsets such as acidosis.

**This feed contains added Selenium at 16.5 mg/kg.**

**Guaranteed Analysis**

Calcium (actual).....	30.0%
Phosphorus (actual) .....	0.04%
Salt (actual).....	16.5%
Iodine (actual) .....	24 mg/kg
Copper (actual).....	120 mg/kg
Manganese (actual).....	750 mg/kg
Zinc (actual) .....	1,200 mg/kg
Cobalt (actual) .....	7 mg/kg
Fluorine (maximum) .....	10 mg/kg
Vitamin A (minimum) .....	220,000 IU/kg
Vitamin D (minimum) .....	28,000 IU/kg
Vitamin E (minimum) .....	2,750 IU/kg

**Net Weight 25 kg**  
**Product #: 501211**





## STAGE 2 – BEEF FEEDLOT PROGRAM

**Grower Premix**

Formulated to target nutrient requirements  
of growing cattle in the feedlot

Masterfeeds Blueprint® Feedlot Grower Beef Premix is a unique and effective approach to beef cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced beef genetics. It is part of a premix program formulated to target specific nutrient requirements of growing cattle in the feedlot and to optimize nutrient utilization and support overall calf health.

**Feeding & Management Notes:**

- Designed for calves weighing 275 – 550 kgs (600 – 1,200 lbs) in the feedlot.
- Feeding rate: 180 g (0.4 lbs) per head per day.
- Provide access to clean, fresh water at all times.
- This premix contains salt. Another source of free-choice salt is not required.
- Changes to feeding program should be made gradually for adaptation to take place.

**Feeding Directions:**

Mix premix with total ration or with grain portion of the ration before feeding. Feed the resultant mix at a level such that cattle will receive about 180 g (0.4 lbs) per head per day of premix. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

**Features & Benefits:**

**Alltech's Total Replacement Technology™ (TRT).** Achieved through the inclusion of 100% chelated trace minerals in the form of Bioplex® and Sel-Plex® (Selenium yeast). TRT increased bioavailability of nutrients essential for immune responses, hoof health, cellular health, skeletal growth, feed efficiency, and energy metabolism. This modern nutrient management allows for significantly lower trace mineral inclusion levels resulting in a reduced environmental impact.

**High calcium.** Balances high levels of phosphorus coming in from byproduct feeds like distiller's grains.

**Vitamins.** Enhance performance and resistance to disease.

**Sel-Plex®.** A natural form of Selenium that contributes to stronger immune systems, better productivity and works as an antioxidant leading to higher nutritional value of meat.

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

**Contains salt.** Regulates intake and contributes to sodium requirement.

**Thiamine (Vitamin B1).** Helps guard against sulfur toxicity, ie. polioencephalomalacia.

**Additive options available for:** Coccidiosis control, fly control, improved feed efficiency and weight gain, protection against feed mycotoxins, and ruminal buffer to reduce digestive upsets such as acidosis.

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**This feed contains added Selenium at 16.5 mg/kg.**

**Guaranteed Analysis**

Calcium (actual).....	30.0%
Phosphorus (actual) .....	0.05%
Salt (actual).....	16.5%
Iodine (actual) .....	24 mg/kg
Copper (actual).....	200 mg/kg
Manganese (actual).....	650 mg/kg
Zinc (actual) .....	1,350 mg/kg
Cobalt (actual) .....	10 mg/kg
Fluorine (maximum).....	10 mg/kg
Vitamin A (minimum) .....	190,000 IU/kg
Vitamin D (minimum) .....	32,000 IU/kg
Vitamin E (minimum) .....	1,650 IU/kg

**Net Weight 25 kg**  
**Product #: 501213**



## STAGE 3 – BEEF FEEDLOT PROGRAM

# Finisher Premix

Formulated to target nutrient requirements  
of finishing cattle in the feedlot

Masterfeeds Blueprint® Feedlot Finisher Beef Premix is a unique and effective approach to beef cattle nutrition, designed with cutting-edge nutritional technologies for today's advanced beef genetics. It is part of a premix program formulated to finish cattle in the feedlot and to optimize nutrient utilization and support overall cattle health.

### Feeding & Management Notes:

- Designed for calves weighing 550 kgs (1,200 lbs) to finish in the feedlot.
- Feeding rate: 0.5 lbs (227 g) per head per day.
- Provide access to clean, fresh water at all times.
- This premix contains salt. Another source of free-choice salt is not required.
- Changes to feeding program should be made gradually for adaptation to take place.

### Feeding Directions:

Mix premix with total ration or with grain portion of the ration before feeding. Feed the resultant mix at a level such that cattle will receive about 227 g (0.5 lbs) per head per day of premix. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

### Features & Benefits:

**Alltech's Total Replacement Technology™ (TRT).** Achieved through the inclusion of 100% chelated trace minerals in the form of Bioplex® and Sel-Plex® (Selenium yeast). TRT increased bioavailability of nutrients essential for immune responses, hoof health, cellular health, skeletal growth, feed efficiency, and energy metabolism. This modern nutrient management allows for significantly lower trace mineral inclusion levels resulting in a reduced environmental impact.

**High calcium.** Balances high levels of phosphorus coming in from byproduct feeds like distiller's grains.

**Sel-Plex®.** A natural form of Selenium that contributes to stronger immune systems, better productivity and works as an antioxidant leading to higher nutritional value of meat.

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

**Contains salt.** Regulates intake and contributes to sodium requirement.

**Thiamine (Vitamin B1).** Helps guard against sulfur toxicity, ie. polioencephalomalacia.

**Vitamins.** Enhance performance and resistance to disease.

**Additive options available for:** Coccidiosis control, fly control, improved feed efficiency and weight gain, protection against feed mycotoxins, and ruminal buffer to reduce digestive upsets such as acidosis.

**This feed contains added Selenium at 13.2 mg/kg.**

### Guaranteed Analysis

Calcium (actual).....	31.0%
Phosphorus (actual) .....	0.05%
Salt (actual).....	13.5%
Iodine (actual) .....	24 mg/kg
Copper (actual).....	210 mg/kg
Manganese (actual).....	680 mg/kg
Zinc (actual) .....	1,350 mg/kg
Cobalt (actual) .....	10 mg/kg
Fluorine (maximum).....	10 mg/kg
Vitamin A (minimum) .....	170,000 IU/kg
Vitamin D (minimum) .....	30,000 IU/kg
Vitamin E (minimum) .....	1,650 IU/kg

**Net Weight 25 kg**  
**Product #: 501214**



# PRO-PLEX BEEF FEEDLOT PROGRAM STARTER PREMIX

FOR YOUNG  
CATTLE ENTERING  
THE FEEDLOT

FEEDLOT BEEF PREMIX

Masterfeeds Pro-Plex Feedlot Starter Premix is formulated to target the mineral and vitamin requirements of cattle entering the feedlot. This premix is designed to complement typical feedlot rations and has the added benefit of partially chelated trace minerals in the form of Bioplex® and Sel-Plex®. This product is what producers may turn to for reassurance when there may be absorption issues due to poor water quality or calves are experiencing a health challenge and need a little boost to get them through.

## FEEDING & MANAGEMENT NOTES:

- Designed for calves weighing about 200 – 300 kgs (450 – 650 lbs) entering the feedlot.
- Feeding rate: 180 g (0.4 lbs) per head per day.
- Provide access to clean, fresh water at all times.
- This premix contains salt. Another source of free-choice salt is not required.
- Changes to feeding program should be made gradually for adaptation to take place.

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

**With Thiamine (Vitamin B1).** Helps guard against sulfur toxicity (e.g. polioencephalomalacia).

**Vitamins.** Enhance performance.

**Additive options available for:** Coccidiosis control, fly control, improved feed efficiency and weight gain, protection against feed mycotoxins, ruminal buffer to reduce digestive upsets such as acidosis.

## FEEDING DIRECTIONS:

Mix premix with a total ration or with grain portion of the ration before feeding. Feed the resultant mix at a level such that cattle will receive about 180 g (0.4 lbs) per head per day of premix. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

**This feed contains added Selenium at 16.5 mg/kg.**

## FEATURES & BENEFITS:

**High levels of calcium.** Balances high levels of phosphorus coming in from byproduct feeds like distiller's grains.

**Contains salt.** Regulates intake and contributes to sodium requirement.

**Contains Sel-Plex®.** A natural form of Selenium yeast that contributes to stronger immune systems, better productivity and works as an antioxidant leading to higher nutritional value of meat.

## GUARANTEED ANALYSIS

Calcium (actual).....	30.0%
Phosphorus (actual) .....	0.04%
Salt (actual).....	16.5%
Iodine (actual) .....	24 mg/kg
Copper (actual).....	200 mg/kg
Manganese (actual) .....	1,900 mg/kg
Zinc (actual).....	1,600 mg/kg
Cobalt (actual) .....	6.8 mg/kg
Fluorine (maximum) .....	10 mg/kg
Vitamin A (minimum) .....	220,000 IU/kg
Vitamin D (minimum) .....	28,000 IU/kg
Vitamin E (minimum) .....	2,475 IU/kg

Net Weight 25 kg  
Product #: 501121



# PRO-PLEX

## BEEF FEEDLOT PROGRAM

# GROWER PREMIX

FOR GROWING  
CATTLE IN  
THE FEEDLOT

FEEDLOT BEEF PREMIX

Masterfeeds Pro-Plex Feedlot Grower Premix is formulated to target the mineral and vitamin requirements of cattle in the grower phase of the feedlot. This premix is designed to complement typical feedlot rations and has the added benefit of partially chelated trace minerals in the form of Bioplex® and Sel-Plex®. This product is what producers may turn to for reassurance when there may be absorption issues due to poor water quality or calves are experiencing a health challenge and need a little boost to get them through.

### FEEDING & MANAGEMENT NOTES:

- Designed for calves weighing about 275 – 550 kgs (600 – 1,200 lbs) in the feedlot.
- Feeding rate: 180 g (0.4 lbs) per head per day.
- Provide access to clean, fresh water at all times.
- This premix contains salt. Another source of free-choice salt is not required.
- Changes to feeding program should be made gradually for adaptation to take place.

### FEEDING DIRECTIONS:

Mix premix with total ration or with grain portion of the ration before feeding. Feed the resultant mix at a level such that cattle will receive about 180 g (0.4 lbs) per head per day of premix. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

### FEATURES & BENEFITS:

**High levels of calcium.** Balances high levels of phosphorus coming in from byproduct feeds like distiller's grains.

**Contains salt.** Regulates intake and contributes to sodium requirement.

**Contains Sel-Plex®.** A natural form of Selenium yeast that contributes to stronger immune systems, better productivity and works as an antioxidant leading to higher nutritional value of meat.

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

**With Thiamine (Vitamin B1).** Helps guard against sulfur toxicity (e.g. polioencephalomalacia).

**Vitamins.** Enhance performance.

**Additive options available for:** Coccidiosis control, fly control, improved feed efficiency and weight gain, protection against feed mycotoxins, ruminal buffer to reduce digestive upsets such as acidosis.

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**This feed contains added Selenium at 16.5 mg/kg.**

### GUARANTEED ANALYSIS

Calcium (actual).....	30.0%
Phosphorus (actual) .....	0.04%
Salt (actual).....	16.5%
Iodine (actual) .....	24 mg/kg
Copper (actual).....	310 mg/kg
Manganese (actual) .....	1,780 mg/kg
Zinc (actual).....	2,330 mg/kg
Cobalt (actual) .....	11.6 mg/kg
Fluorine (maximum) .....	10 mg/kg
Vitamin A (minimum) .....	190,000 IU/kg
Vitamin D (minimum) .....	32,000 IU/kg
Vitamin E (minimum) .....	1,375 IU/kg

Net Weight 25 kg  
Product #: 501123

# PRO-PLEX

## BEEF FEEDLOT PROGRAM

# FINISHER PREMIX

FOR FINISHING  
CATTLE IN  
THE FEEDLOT

FEEDLOT BEEF PREMIX

Masterfeeds Pro-Plex Feedlot Finisher Premix is formulated to target the mineral and vitamin requirements of cattle in the finishing phase of the feedlot. This premix is designed to complement typical feedlot rations and has the added benefit of partially chelated trace minerals in the form of Bioplex® and Sel-Plex®. This product is what producers may turn to for reassurance when there may be absorption issues due to poor water quality or calves are experiencing a health challenge and need a little boost to get them through.

### FEEDING & MANAGEMENT NOTES:

- Designed for calves weighing about 550 kgs (1,200 lbs) through finishing weight in the feedlot.
- Feeding rate: 227 g (0.5 lbs) per head per day.
- Provide access to clean, fresh water at all times.
- This premix contains salt. Another source of free-choice salt is not required.
- Changes to feeding program should be made gradually for adaptation to take place.

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

**With Thiamine (Vitamin B1).** Helps guard against sulfur toxicity (e.g. polioencephalomalacia).

**Vitamins.** Enhance performance.

**Additive options available for:** Coccidiosis control, fly control, improved feed efficiency and weight gain, protection against feed mycotoxins, ruminal buffer to reduce digestive upsets such as acidosis.

### FEEDING DIRECTIONS:

Mix premix with total ration or with grain portion of the ration before feeding. Feed the resultant mix at a level such that cattle will receive about 227 g (0.5 lbs) per head per day of premix. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

**This feed contains added Selenium at 13.2 mg/kg.**

### FEATURES & BENEFITS:

**High levels of calcium.** Balances high levels of phosphorus coming in from byproduct feeds like distiller's grains.

**Contains salt.** Regulates intake and contributes to sodium requirement.

**Contains Sel-Plex®.** A natural form of Selenium yeast that contributes to stronger immune systems, better productivity and works as an antioxidant leading to higher nutritional value of meat.

### GUARANTEED ANALYSIS

Calcium (actual).....	32.0%
Phosphorus (actual) .....	0.04%
Salt (actual).....	13.2%
Iodine (actual) .....	24 mg/kg
Copper (actual).....	320 mg/kg
Manganese (actual) .....	1,900 mg/kg
Zinc (actual).....	2,300 mg/kg
Cobalt (actual) .....	11.6 mg/kg
Fluorine (maximum) .....	10 mg/kg
Vitamin A (minimum) .....	170,000 IU/kg
Vitamin D (minimum) .....	30,000 IU/kg
Vitamin E (minimum) .....	1,540 IU/kg

**Net Weight 25 kg**  
**Product #: 501124**



# Vintage

BEEF FEEDLOT PROGRAM

## STARTER PREMIX

FOR YOUNG  
CATTLE ENTERING  
THE FEEDLOT

FEEDLOT BEEF PREMIX

Masterfeeds Vintage Starter Beef Premix is formulated to target the mineral and vitamin requirements of cattle entering the feedlot. This premix is designed to complement typical feedlot rations and to ensure the maximum return on investment. Masterfeeds Vintage Starter Beef Premix is part of a premix program designed for producers seeking an economical way to deliver key nutrients to feedlot cattle.

### FEEDING & MANAGEMENT NOTES:

- Designed for calves weighing about 200 – 300 kgs (450 – 650 lbs) entering the feedlot.
- Feeding rate: 180 g (0.4 lbs ) per head per day.
- Provide access to clean, fresh water at all times.
- This premix contains salt. Another source of free-choice salt is not required.
- Changes to feeding program should be made gradually for adaptation to take place.

### FEEDING DIRECTIONS:

Mix premix with a total ration or with grain portion of the ration before feeding. Feed the resultant mix at a level such that cattle will receive about 180 g (0.4 lbs) per head per day of premix. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

### FEATURES & BENEFITS:

**High levels of calcium.** Balances high levels of phosphorus coming in from byproduct feeds like distiller's grains.

**Contains salt.** Regulates intake and contributes to sodium requirement.

**Vitamins.** Enhances resistance to disease.

**Additive options available for:** Coccidiosis control, fly control, improved feed efficiency and weight gain, protection against feed mycotoxins, ruminal buffer to reduce digestive upsets such as acidosis.

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***This feed contains added Selenium at 16.5 mg/kg.***

### GUARANTEED ANALYSIS

Calcium (actual).....	31.0%
Phosphorus (actual) .....	0.03%
Salt (actual).....	16.5%
Iodine (actual) .....	24 mg/kg
Copper (actual).....	315 mg/kg
Manganese (actual).....	2,500 mg/kg
Zinc (actual) .....	2,200 mg/kg
Cobalt (actual) .....	7 mg/kg
Fluorine (maximum).....	10 mg/kg
Vitamin A (minimum) .....	220,000 IU/kg
Vitamin D (minimum) .....	28,000 IU/kg
Vitamin E (minimum) .....	2,200 IU/kg

Net Weight 25 kg  
Product #: 507991

Vintage

BEEF FEEDLOT PROGRAM

# GROWER/FINISHER PREMIX

FOR GROWING &  
FINISHING CATTLE  
IN THE FEEDLOT

FEEDLOT BEEF PREMIX

Masterfeeds Vintage Grower/Finisher Beef Premix is formulated to target the mineral and vitamin requirements during the growing and finishing phase of the feedlot. This premix is designed to complement typical feedlot rations and to ensure the maximum return on investment. Masterfeeds Vintage Grower/Finisher Beef Premix is part of a premix program designed for producers seeking an economical way to deliver key nutrients to feedlot cattle.

## FEEDING & MANAGEMENT NOTES:

- Designed for calves in the feedlot weighing about 275 kgs (600 lbs) to finishing weight.
- Feeding rate: 0.4 lbs (180 g) per head per day.
- Provide access to clean, fresh water at all times.
- This premix contains salt. Another source of free-choice salt is not required.
- Changes to feeding program should be made gradually for adaptation to take place.

## FEEDING DIRECTIONS:

Mix premix with total ration or with grain portion of the ration before feeding. Feed the resultant mix at a level such that cattle will receive about 180 g (0.4 lbs) per head per day of premix. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

## FEATURES & BENEFITS:

**High levels of calcium.** Balances high levels of phosphorus coming in from byproduct feeds like distiller's grains.

**Contains salt.** Regulates intake and contributes to sodium requirement.

**Vitamins.** Enhance performance.

**Additive options available for:** Coccidiosis control, fly control, improved feed efficiency and weight gain, protection against feed mycotoxins, ruminal buffer to reduce digestive upsets such as acidosis.

---

***This feed contains added Selenium at 16.5 mg/kg.***

## GUARANTEED ANALYSIS

Calcium (actual).....	30.0%
Phosphorus (actual) .....	0.03%
Salt (actual).....	16.5%
Iodine (actual) .....	24 mg/kg
Copper (actual).....	260 mg/kg
Manganese (actual).....	2,800 mg/kg
Zinc (actual) .....	3,000 mg/kg
Cobalt (actual) .....	10 mg/kg
Fluorine (maximum).....	10 mg/kg
Vitamin A (minimum) .....	190,000 IU/kg
Vitamin D (minimum) .....	25,000 IU/kg
Vitamin E (minimum) .....	830 IU/kg

Net Weight 25 kg  
Product #: 507996

# 32% NU BEEF SUPPLEMENT (PELLET)

## FOR YOUNG CATTLE

Masterfeeds 32% No Urea Beef Supplement (pellet) is designed for young cattle. It is ideal for blending with oats and/or other farm-grown grains.

### FEEDING DIRECTIONS:

Mix with grain and feed so as to provide 1.0 kg of supplement per head per day.

**Example Formula:** Mix 200 kg of this product with 450 kg grain, 300 kg corn gluten feed and 50 kg molasses. Feed as a complete ration along with forage. Changes to the feeding program should be made gradually for adaptation to take place.

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

*This feed contains added Selenium at 1.5 mg/kg.*

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	32.0%
Crude Fat (minimum) .....	3.6%
Crude Fibre (maximum).....	9.0%
Calcium (actual).....	4.1%
Phosphorus (actual) .....	0.8%
Magnesium (actual).....	0.4%
Sulfur (actual).....	0.7%
Sodium (actual) .....	1.24%
Potassium (actual) .....	0.9%
Iodine (actual) .....	5 mg/kg
Iron (actual).....	207 mg/kg
Copper (actual).....	85 mg/kg
Manganese (actual).....	392 mg/kg
Zinc (actual).....	385 mg/kg
Cobalt (actual) .....	2 mg/kg
Fluorine (actual) .....	2 mg/kg
Vitamin A (minimum) .....	42,000 IU/kg
Vitamin D (minimum).....	6,900 IU/kg
Vitamin E (minimum) .....	118 IU/kg

Net Weight 25 kg  
Product #: 500295

# 40% 28U

BEEF SUPPLEMENT  
(PELLET)

## ECONOMICAL SUPPLEMENT FOR GROWING & FINISHING BEEF CATTLE

### FEEDING DIRECTIONS:

Mix with grain and feed so as to provide 1 kg of supplement per head per day.

**Example formula:** Mix 200 kg of this product with 450 kg grain, 50 kg molasses and 300 kg corn gluten feed. Feed as a complete ration along with forage. Changes to the feeding program should be made gradually for adaptation to take place.

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

*This feed contains added Selenium at 1.5 mg/kg.*

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	40.1%*
Crude Fat (minimum) .....	3.3%
Crude Fibre (maximum).....	7.0%
Calcium (actual).....	7.0%
Phosphorus (actual) .....	0.7%
Magnesium (actual).....	0.4%
Sulfur (actual).....	0.2%
Sodium (actual) .....	1.67%
Potassium (actual) .....	0.7%
Iodine (actual) .....	5 mg/kg
Iron (actual).....	706 mg/kg
Copper (actual).....	86 mg/kg
Manganese (actual).....	421 mg/kg
Zinc (actual).....	368 mg/kg
Cobalt (actual) .....	3 mg/kg
Fluorine (actual) .....	4 mg/kg
Vitamin A (minimum) .....	744,000 IU/kg
Vitamin D (minimum).....	7,200 IU/kg
Vitamin E (minimum) .....	36 IU/kg

*\*Equivalent Crude Protein From Non-protein Sources  
(maximum%) 29.0.*

Net Weight 25 kg  
Product #: 500301



# FUTURE LEAN 38-13

VEAL GROWER SUPPLEMENT (PELLET)

FOR OPTIMAL GROWTH  
IN HOLSTEIN CALVES

BEEF SUPPLEMENT

Masterfeeds Future Lean 38-13 Grain Fed Veal Grower Supplement (pellet) is a supplement that supplies the necessary protein, minerals, vitamins and digestible fiber along with on-farm corn in a self-fed ration for optimal growth in Holstein calves from 160 to 275 kg body weight.

## FEEDING DIRECTIONS:

Mix with grain and feed so as to provide 0.9 kg of supplement per head per day.

**Sample Formula:** Mix 150 kg of this product with 650 kg grain and 200 kg corn gluten feed. Feed as a complete ration along with forage. Changes to the feeding program should be made gradually for adaptation to take place.

## FEEDING RECOMMENDATIONS:

1. Future Lean 38-13 Grower Supplement is designed to be mixed with whole corn and fed to calves as the concentrate portion of the growing ration. Thoroughly mix supplement with corn as indicated in table below:

Body Weight (kg)	Future Lean 38-13 Grower Supplement (kg)	Whole Shelled Corn (kg)
160-225	200	800
225-275	175	825

2. In addition to the above rations, feed up to 0.5 kg of good quality hay per head per day

3. Cattle should have free access to salt.

4. Provide clean, fresh water at all times.

## FEATURES & BENEFITS:

**38% Crude Protein with added urea.** Economical protein source for efficient veal production.

**Digestible fiber sources.** Helps maintain optimal rumen function.

**Buffers.** To reduce the incidence of acidosis.

**Bypass soy protein.** Highly digestible bypass protein for improved performance.

**Balanced vitamins and minerals.** For optimal growth when fed with corn.

**This feed contains added Selenium at 2.0 mg/kg.**

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	38.0%
Crude Fat (minimum) .....	5.5%
Crude Fiber (maximum).....	8.0%
Calcium (actual).....	4.5%
Phosphorus (actual) .....	1.0%
Magnesium (actual).....	0.3%
Sulfur (actual).....	0.4%
Sodium (actual) .....	1.94%
Potassium (actual) .....	0.9%
Iodine (actual) .....	12 mg/kg
Iron (actual) .....	800 mg/kg
Copper (actual).....	202 mg/kg
Manganese (actual).....	846 mg/kg
Zinc (actual).....	874 mg/kg
Cobalt (actual) .....	5 mg/kg
Fluorine (maximum).....	6 mg/kg
Vitamin A (minimum) .....	50,000 IU/kg
Vitamin D (minimum) .....	8,300 IU/kg
Vitamin E (minimum) .....	130 IU/kg

Net Weight 25 kg  
Product #: 508093



# *Vintage* **BEEF RATIONS & SUPPLEMENTS**

**ECONOMICAL PELLETS FOR GROWING BEEF CATTLE**

*Masterfeeds Vintage Beef Rations and Supplements are an economical choice for growing cattle and maintaining beef cows.\**

*Vintage Complete Rations are high in fibre and should be used as a partial grain and forage replacement.*

*Vintage Supplements are suitable for blending with oats or other on-farm grains to make grower/backgrounder rations. Supplement formulas are available with and without urea to help maximize forage digestion.*

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\* Changes to your feeding program should be made gradually for adaptation to take place.

For more information, contact your Masterfeeds Beef Account Manager or email [beef@masterfeeds.com](mailto:beef@masterfeeds.com)



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Email [beef@masterfeeds.com](mailto:beef@masterfeeds.com)*

Vintage

## BEEF RATIONS &amp; SUPPLEMENTS

ECONOMICAL PELLETS FOR GROWING BEEF CATTLE



**COMPLETE FEEDS:** Feed as a complete feed to cattle along with forage. Masterfeeds Vintage Beef rations are designed to be fed at 1% of body weight.

**For Example:** Feed a 1,000 lb animal 10 lbs of Vintage Beef Ration Pellets per head per day.

## VINTAGE 13%

PRODUCT # 502001

## GUARANTEED ANALYSIS

Crude Protein (minimum)..... 13.0%  
 Crude Fat (minimum) ..... 3.5%  
 Crude Fibre (maximum)..... 19.0%  
 Calcium (actual)..... 0.1%  
 Phosphorus (actual) ..... 0.7%  
 Sodium (actual) ..... 0.24%  
 Vitamin A (minimum) ....5,000 IU/kg  
 Vitamin D (minimum) ....1,600 IU/kg  
 Vitamin E (minimum) .....16 IU/kg

*Contains added Selenium at 0.2 mg/kg.*

## VINTAGE 13% PLUS

PRODUCT # 502021

## GUARANTEED ANALYSIS

Crude Protein (minimum)..... 13.0%  
 Crude Fat (minimum) ..... 3.5%  
 Crude Fibre (maximum)..... 15.0%  
 Calcium (actual)..... 0.9%  
 Phosphorus (actual) ..... 0.6%  
 Sodium (actual) ..... 0.21%  
 Vitamin A (minimum) ....5,000 IU/kg  
 Vitamin D (minimum) ....1,700 IU/kg  
 Vitamin E (minimum) .....20 IU/kg

*Contains added Selenium at 0.2 mg/kg.*

## VINTAGE 15%

PRODUCT # 502022

## GUARANTEED ANALYSIS

Crude Protein (minimum)..... 15.5%  
 Crude Fat (minimum) ..... 4.2%  
 Crude Fibre (maximum)..... 12.0%  
 Calcium (actual)..... 1.0%  
 Phosphorus (actual) ..... 0.8%  
 Sodium (actual) ..... 0.12%  
 Vitamin A (minimum) ....9,000 IU/kg  
 Vitamin D (minimum) ....1,600 IU/kg  
 Vitamin E (minimum) .....27 IU/kg

*Contains added Selenium at 0.2 mg/kg.*

**SUPPLEMENTS:** Mix with grain and feed so as to provide 1 kg of supplement per head per day.

**Sample Formula:** Mix 200 kg of Vintage Supplements with 450 kg grain, 300 kg corn gluten feed and 50 kg molasses. Feed as a complete ration along with forage.

## VINTAGE 32% NU

PRODUCT # 502002

## GUARANTEED ANALYSIS

Crude Protein (minimum)..... 32.0%  
 Crude Fat (minimum) ..... 4.3%  
 Crude Fibre (maximum)..... 8.0%  
 Calcium (actual)..... 4.0%  
 Phosphorus (actual) ..... 0.9%  
 Magnesium (actual)..... 0.3%  
 Sulfur (actual) ..... 0.6%  
 Sodium (actual) ..... 1.2%  
 Potassium (actual) ..... 0.8%  
 Iodine (actual) ..... 5 mg/kg  
 Iron (actual) ..... 240 mg/kg  
 Copper (actual)..... 89 mg/kg  
 Manganese (actual) ..... 381 mg/kg  
 Cobalt (actual) ..... 2 mg/kg  
 Zinc (actual) ..... 392 mg/kg  
 Fluorine (actual) ..... 2 mg/kg  
 Vitamin A (minimum) ..45,000 IU/kg  
 Vitamin D (minimum) ....7,500 IU/kg  
 Vitamin E (minimum) .....48 IU/kg

*Contains added Selenium at 3.0 mg/kg.*

## VINTAGE 31% 17U

PRODUCT # 502003

## GUARANTEED ANALYSIS

Crude Protein (minimum)..... 31.0%\*  
 Crude Fat (minimum) ..... 2.6%  
 Crude Fibre (maximum)..... 9.0%  
 Calcium (actual)..... 4.0%  
 Phosphorus (actual) ..... 0.9%  
 Magnesium (actual)..... 0.3%  
 Sulfur (actual) ..... 0.3%  
 Sodium (actual) ..... 1.3%  
 Potassium (actual) ..... 1.1%  
 Iodine (actual) ..... 5 mg/kg  
 Iron (actual) ..... 721 mg/kg  
 Copper (actual)..... 90 mg/kg  
 Manganese (actual) ..... 399 mg/kg  
 Cobalt (actual) ..... 3 mg/kg  
 Zinc (actual) ..... 373 mg/kg  
 Vitamin A (minimum) ..45,000 IU/kg  
 Vitamin D (minimum) ....7,500 IU/kg  
 Vitamin E (minimum) .....48 IU/kg

*Contains added Selenium at 2.35 mg/kg.*

*\*Equivalent crude protein from non-protein sources (maximum%) 17.0.*

## VINTAGE 40% 22U

PRODUCT # 502004

## GUARANTEED ANALYSIS

Crude Protein (minimum)..... 40.0%\*  
 Crude Fat (minimum) ..... 4.4%  
 Crude Fibre (maximum)..... 7.0%  
 Calcium (actual)..... 8.1%  
 Phosphorus (actual) ..... 0.6%  
 Magnesium (actual)..... 0.2%  
 Sulfur (actual) ..... 0.4%  
 Sodium (actual) ..... 1.4%  
 Potassium (actual) ..... 0.9%  
 Iodine (actual) ..... 4 mg/kg  
 Iron (actual) ..... 233 mg/kg  
 Copper (actual)..... 74 mg/kg  
 Manganese (actual) ..... 343 mg/kg  
 Cobalt (actual) ..... 2 mg/kg  
 Zinc (actual) ..... 301 mg/kg  
 Vitamin A (minimum) ..42,000 IU/kg  
 Vitamin D (minimum) ....6,900 IU/kg  
 Vitamin E (minimum) .....31 IU/kg

*Contains added Selenium at 1.5 mg/kg.*

*\*Equivalent crude protein from non-protein sources (maximum%) 22.0.*

# Vintage 32% NU

## BEEF SUPPLEMENT (PELLET)

### FOR YOUNG BEEF CATTLE

Masterfeeds Vintage 32% No Urea Beef Supplement (pellet) is an economical choice. It is suitable for blending with oats or other farm-grown grains.

#### FEEDING DIRECTIONS:

Mix with grain and feed so as to provide 1 kg of supplement per head per day.

**Sample Formula:** Mix 100 kg of this product with 550 kg of grain, 200 kg corn gluten feed and 50 kg of molasses. Feed as a complete ration along with forage. Changes to the feeding program should be made gradually for adaptation to take place. For more information contact your Masterfeeds Account Manager.

*This feed contains added Selenium at 3.0 mg/kg.*

#### GUARANTEED ANALYSIS

Crude Protein (minimum).....	32.0%
Crude Fat (minimum) .....	4.3%
Crude Fibre (maximum).....	8.0%
Calcium (actual).....	4.0%
Phosphorus (actual) .....	0.9%
Magnesium (actual).....	0.3%
Sulfur (actual) .....	0.6%
Sodium (actual) .....	1.2%
Potassium (actual) .....	0.8%
Iodine (actual) .....	5 mg/kg
Iron (actual) .....	240 mg/kg
Copper (actual).....	89 mg/kg
Manganese (actual) .....	381 mg/kg
Cobalt (actual) .....	2 mg/kg
Zinc (actual) .....	392 mg/kg
Fluorine (actual) .....	2 mg/kg
Vitamin A (minimum) .....	45,000 IU/kg
Vitamin D (minimum) .....	7,500 IU/kg
Vitamin E (minimum) .....	48 IU/kg

Net Weight 25 kg  
Product #: 502002

# Vintage 31% 17U

## BEEF SUPPLEMENT (PELLETS)

FOR GROWING  
BEEF CATTLE

Masterfeeds Vintage 31%-17U N Beef Supplement (pellet) is an economical choice. These pellets have a moderate amount of urea suitable for mixing with on-farm grains to make grower/backgrounder rations.

### FEEDING DIRECTIONS:

Mix with grain and feed so as to provide 1 kg of supplement per head per day.

**Sample Formula:** Mix 200 kg of this product with 450 kg grain, 300 kg corn gluten feed and 50 kg molasses. Feed as a complete ration along with forage. Changes to the feeding program should be made gradually for adaptation to take place. For more information contact your Masterfeeds Account Manager.

*This feed contains added Selenium at 2.35 mg/kg.*

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	31.0%*
Crude Fat (minimum) .....	2.6%
Crude Fibre (maximum).....	9.0%
Calcium (actual).....	4.0%
Phosphorus (actual) .....	0.9%
Magnesium (actual).....	0.3%
Sulfur (actual).....	0.3%
Sodium (actual) .....	1.30%
Potassium (actual) .....	1.1%
Iodine (actual) .....	5 mg/kg
Iron (actual).....	721 mg/kg
Copper (actual).....	90 mg/kg
Cobalt (actual) .....	3 mg/kg
Manganese (actual).....	399 mg/kg
Zinc (actual).....	373 mg/kg
Vitamin A (minimum) .....	45,000 IU/kg
Vitamin D (minimum) .....	7,500 IU/kg
Vitamin E (minimum) .....	48 IU/kg

*\*Equivalent crude protein from non-protein sources (maximum%) 17.0.*

Net Weight 25 kg  
Product #: 502003



# Vintage

## VINTAGE 40% 22U BEEF SUPPLEMENT (PELLET)

### FOR GROWING BEEF CATTLE

BEEF SUPPLEMENT

#### FEEDING DIRECTIONS:

Mix with grain and feed so as to provide 1.0 kg of supplement per head per day.

**Sample Formula:** Mix 200 kg of this product with 450 kg grain, 300 kg corn gluten feed and 50 kg molasses. Feed as a complete ration along with forage. Changes to the feeding program should be made gradually for adaptation to take place.

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

*This feed contains added Selenium at 1.5 mg/kg.*

#### GUARANTEED ANALYSIS

Crude Protein (minimum).....	40.0%*
Crude Fat (minimum) .....	4.4%
Crude Fibre (maximum).....	7.0%
Calcium (actual).....	8.1%
Phosphorus (actual) .....	0.6%
Magnesium (actual).....	0.2%
Sulfur (actual) .....	0.4%
Sodium (actual) .....	1.41%
Potassium (actual) .....	0.9%
Iodine (actual) .....	4 mg/kg
Iron (actual).....	233 mg/kg
Copper (actual).....	74 mg/kg
Manganese (actual).....	343 mg/kg
Cobalt (actual) .....	2 mg/kg
Zinc (actual) .....	301 mg/kg
Fluorine (actual) .....	5 mg/kg
Vitamin A (minimum) .....	42,000 IU/kg
Vitamin D (minimum) .....	6,900 IU/kg
Vitamin E (minimum) .....	31 IU/kg

*\*Equivalent crude protein from non-protein sources  
(maximum%) 22.0.*

Net Weight 25 kg  
Product #: 502004



# *Vintage* **CREEP FEED** (PELLETS)

## FEED FOR BEEF CALVES

*Masterfeeds Vintage Creep Feed is an economical 14% all-natural protein ration to start calves on feed. It is a high energy pellet, fortified with the required vitamins and minerals necessary for maximum growth. Vintage Creep enhances forage utilization by providing energy in the form of both starch and fibre. Having Vintage Creep Feed available before the calf reaches 100 days of age means calves are able to fulfill their nutrient requirements without having to rely on grass and milk alone.*

*Vintage promotes the following:*

- > Early weaning*
- > Reduced stress at weaning*
- > Higher weaning weight*
- > Improved cow condition*
- > Medicated to reduce the risk of disease*



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# Vintage CREEP FEED (PELLETS)

## FEED FOR BEEF CALVES

Masterfeeds Vintage Creep Feed is a complete, 14% all-natural protein ration. It is fortified with the required vitamins and minerals necessary for growth. Vintage Creep Feed gets calves used to eating feed before weaning, and helps to extend pasture.

### WHY CREEP FEED?

A calf requires the proper levels of nutrition in order to reach its genetic potential. Research has shown that the nutrition requirements of the calf cannot be met by the cow's milk alone, and while calves can consume grass, they are unable to ingest enough to meet their daily requirement for proper growth. The result is what is termed a "hungry calf gap".

The best way to eliminate this nutrient deficiency is through the introduction of a high-quality protein supplement such as a creep feed. This type of ration will not only aid the calf in achieving optimum growth, the creep feed will also lessen the demand on the cow for milk. This results in the calf being able to reach its full genetic potential along with a better-conditioned cow.

A cow that is able to gain weight during the grazing season is able to channel more of her food intake into body condition as opposed to providing energy to the calf. In the end, the advantages of a high-performance calf creep feed are expressed in both a calf with improved weight gain and appearance and a cow with better conditioning, which enables her to breed back more readily.

### FEATURES & BENEFITS:

**Early easier weaning.** Calves learn to eat dry feed from the bunk earlier, reducing demand on the cow.

**Reduced stress.** Calves display less stress at weaning and adjust to full feed faster when placed in the feedlot.

**Higher weaning weight.** Calves are 34 to 45 kg (75 to 100 lbs) heavier at weaning weight when raised on a high quality creep feed.

**Cow condition is improved.** Better cow condition score at breeding time.

**Disease prevention.** Medicated to reduce the risk of coccidiosis.

### FEEDING DIRECTIONS:

Feed Vintage Creep Ration to nursing calves at the rate of 1 kg per 100 kg of body weight until weaning to calves on pasture or consuming forage. Feed continuously for at least 28 days during periods of coccidiosis or when it is likely to be a hazard. Vintage should be offered to calves at no later than 100 days of age.

### FEEDING TIPS:

- Use a sturdy, well-designed and well-protected creep feeder and place it in a convenient cow-calf loafing area.
- Start feeding Masterfeeds Vintage Creep Feed before calves reach 100 days of age.
- Make certain the feed is fresh by filling the feeder with only enough feed to last 10 to 14 days.
- Keep the feed level up – never let the creep feeder go empty.
- Maintain proper herd health management.

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***This feed contains added Selenium at 0.3 mg/kg.***

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	14.0%
Crude Fat (minimum) .....	3.0%
Crude Fiber (maximum).....	18.0%
Calcium (actual).....	2.0%
Phosphorus (actual) .....	0.5%
Sodium (actual) .....	0.23%
Vitamin A (minimum) .....	6,500 IU/kg
Vitamin D (minimum) .....	1,000 IU/kg
Vitamin E (minimum) .....	25 IU/kg

**Net Weight 25 kg**

**Product #: PLAIN – 502031**

**MEDICATED – 502034**





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an **Alltech®** company



# ROUGH 'N' READY 16%

MEDICATED BEEF CALF RATION (PELLET)

FEED FOR  
NEW BEEF  
CALVES

*Rough 'n' Ready is a complete, high energy, easily digestible pelleted feed, fortified with the required vitamins and minerals necessary for maximum growth. It enhances forage utilization by providing energy in the form of highly digestible fibre and eliminates overeating of grains, bloating, scour concerns and other metabolic disorders.*

*Rough 'n' Ready promotes the following:*

- > Early weaning
- > Reduced stress at weaning
- > Higher weaning weight
- > Better overall appearance (lean gain – not fat)
- > Improved cow conditioning
- > Medicated to reduce the risk of disease



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an **Alltech®** company

Beef Nutrition

Have a question?  
Email [beef@masterfeeds.com](mailto:beef@masterfeeds.com)





# ROUGH 'N' READY 16%

## MEDICATED BEEF CALF RATION (PELLET)

FEED FOR  
NEW BEEF CALVES

BEEF CREEP RATION

Masterfeeds Rough 'n' Ready 16% Medicated Beef Calf Ration (pellet) is a premium creep feed for new beef calves. It is highly digestible for superior feed conversions and contains Deccox® for prevention of coccidiosis. Also available in a non-medicated formula or with Rumensin®.

### WHY CREEP FEED?

A calf requires a proper level of nutrition in order to reach its genetic potential. Research has shown that the nutrition requirements of the calf cannot be met by the mother cow's milk alone, and while calves can consume grass, they are unable to ingest enough to meet their daily requirement for proper growth. The result is what is termed a "hungry calf gap".

The best way to eliminate this nutrient deficiency is through the introduction of a high quality protein supplement as a creep feed. This type of ration will not only aid the calf in achieving optimum growth, the creep feed will also lessen the demand on the cow for milk. The result is the calf being able to reach its full genetic potential along with a better-conditioned cow. A cow that is able to gain weight during the grazing season is able to channel more of her food intake into body condition as opposed to providing energy to the calf.

### MODIFIED SOYBEAN MEAL:

Rough 'n' Ready calf creep feed is specially formulated with a high performance, all-natural protein source Modified Soybean Meal AGP. This economical, soy-protein based supplement delivers a highly palatable and readily available bypass protein source with all the essential amino acids, to allow calves to reach their full potential.

Research proves that modified soybean meal delivers almost three times the amount of by-pass protein than other vegetable protein sources due to its unique patented process. The result from feeding Rough 'n' Ready Creep Feed containing Modified Soybean Meal AGP is evident in the performance of the calf, in terms of both weight gain and overall appearance.

### FEEDING DIRECTIONS:

Feed Rough 'n' Ready to nursing calves at the rate of 1 kg per 100 kg of body weight until weaning to calves on pasture or consuming forage. Feed continuously for at least 28 days during periods of coccidiosis or when it is likely to be a hazard. Rough 'n' Ready should be offered to calves at no later than 30 days of age.

### FEEDING TIPS:

- Use a sturdy, well-designed and well-protected creep feeder.
- Place the feeder in a convenient cow-calf loafing area.
- Start feeding Rough 'n' Ready before calves are 30 days of age.
- Make certain the feed is fresh by filling the feeder with only enough feed to last 10 to 14 days.
- Never let the creep feeder go empty.
- Maintain proper herd health management.

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*This feed contains added Selenium at 0.3 mg/kg.*

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	16.0%
Crude Fat (minimum) .....	2.5%
Crude Fiber (maximum).....	22.0%
Calcium (actual).....	1.5%
Phosphorus (actual) .....	0.5%
Sodium (actual) .....	0.25%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D (minimum) .....	2,000 IU/kg
Vitamin E (minimum) .....	45 IU/kg

**Net Weight 25 kg**

**Product #: PLAIN – 500399**

**MEDICATED – 500398**



**Masterfeeds**  
an **Alltech** company

*For  
farming  
life.*

# BOSBUILDER™ 16%

## BEEF CREEP RATION (PELLET)

**HIGH FIBRE,  
HIGH PROTEIN  
FEED FOR  
BEEF CALVES**

*Most creep feed rations can be started as soon as the calves are old enough to eat dry feed. This may be as early as four weeks of age however, it's usually six to eight weeks of age. It depends on the milking ability of the cow and condition and quality of forage available.*

*Calves will consume the most palatable feeds first. This is usually milk; fresh grass, creep feed and lastly, dry grass. Because calves consume the most palatable feed first it is critical that creep feeder be placed properly, checked regularly and intakes monitored. Getting calves too fat is always a risk with unlimited creep feed. If this happens, it can result in price discounts on calves sold as weaned feeders. This can be avoided by matching energy content of the creep feed with frame size of the calves. In other words, as frame size goes up energy concentration of the creep may increase. Conversely with small framed calves, energy content should be reduced in order to prevent the calves from becoming too fat.*



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# BOSBUILDER™ 16%

## BEEF CREEP RATION (PELLET)

## HIGH FIBRE, HIGH PROTEIN FEED FOR BEEF CALVES

Masterfeeds BosBuilder 16% Creep Beef Ration (pellet) is a high fibre, high protein creep feed designed to provide supplemental feed to nursing calves. It provides extra protein, energy, minerals and vitamins for rapid weight gain prior to weaning.

### WHY CREEP FEED?

A calf requires a proper level of nutrition in order to reach its genetic potential. Research has shown that the nutrition requirements of the calf cannot be met by the mother cow's milk alone, and while calves can consume grass, they are unable to ingest enough to meet their daily requirement for proper growth. The result is what is termed a "hungry calf gap".

The best way to eliminate this nutrient deficiency is through the introduction of a high quality protein supplement as a creep feed. This type of ration will not only aid the calf in achieving optimum growth, the creep feed will also lessen the demand on the cow for milk. The result is the calf being able to reach its full genetic potential along with a better-conditioned cow. A cow that is able to gain weight during the grazing season is able to channel more of her food intake into body condition as opposed to providing energy to the calf.

### FEEDING DIRECTIONS:

Feed as a complete feed to cattle along with forage. Changes to the feeding program should be made gradually for adaptation to take place. Follow an on-farm feeding program provided by your Masterfeeds Account Manager.

### FEATURES & BENEFITS:

**Highly digestible fibre, high protein, natural protein, calcium, phosphorous, salt, trace minerals, vitamins.**

- Encourages forage digestion and utilization.
- Ensures protein does not limit calves' genetic potential for growth.
- Maximizes utilization of protein for rapid and efficient growth.

- Major minerals needed for skeletal growth and maintenance.
- Highly available trace minerals for rumen microbial development, enhances performance and proper immune function.
- Optimal performance and overall health.

**Available medicated with Avatec®.** Cattle supplemented with Avatec® can have an 11% higher average daily gain than non-medicated cattle on pasture.

Table 1. Break-even Chart for Creep Feed at Different Values of Calf Gain and Feed Conversion				
Value of Calf Wt. Gain \$/Lb.	Lb. Creep per Lb. of Added Gain			
	3	6	9	12
	Break-even Creep Feed Cost, \$/Cwt			
0.70	23.3	11.7	7.8	5.8
0.80	26.7	13.3	8.9	6.7
0.90	30.0	15.0	10.0	7.5
1.00	33.0	16.7	11.1	8.3
1.10	36.0	18.4	12.2	9.1
1.20	39.0	20.1	13.3	9.9

Michigan State University

**This feed contains added Selenium at 0.3 mg/kg.**

### GUARANTEED ANALYSIS

Crude Protein (minimum)	16.0%
Crude Fat (minimum)	3.8%
Crude Fibre (maximum)	17.0%
Calcium (actual)	1.3%
Phosphorus (actual)	0.7%
Sodium (actual)	0.35%
Vitamin A (minimum)	11,000 IU/kg
Vitamin D (minimum)	1,900 IU/kg
Vitamin E (minimum)	44 IU/kg

**Net Weight 25 kg**

**Product #: PLAIN – 508152**

**MEDICATED – 508055**





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an **Altech®** company

*For  
farming  
life.*

# CATAPULT 16% CREEP FEED (PELLET)

**HIGH FIBRE, HIGH PROTEIN  
FEED FOR BEEF CALVES**

*Most creep feed rations can be started as soon as the calves are old enough to eat dry feed. This may be as early as four weeks of age however, it's usually six to eight weeks of age. It depends on the milking ability of the cow and condition and Quality of forage available.*

*Calves will consume the most palatable feeds first. This is usually milk; fresh grass, creep feed and lastly, dry grass. Because calves consume the most palatable feed first it is critical that creep feeder be place properly, checked regularly and intakes monitored. Getting calves too fat is always a risk with unlimited creep feed. If this happens, it can result in price discounts on calves sold as weaned feeders. This can be avoided by matching energy content of the creep feed with frame size of the calves. In other words, as frame size goes up energy concentration of the creep may increase. Conversely with small framed calves, energy content should be reduced in order to prevent the calves from becoming too fat.*



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# CATAPULT 16%

## CREEP FEED (PELLET)

## HIGH FIBRE, HIGH PROTEIN FEED FOR BEEF CALVES

Masterfeeds Catapult 16% Creep Feed (pellet) is a high fibre, high protein creep feed designed to provide supplemental feed to nursing calves. It provides extra protein, energy, minerals and vitamins for rapid weight gain prior to weaning.

### WHY CREEP FEED?

A calf requires a proper level of nutrition in order to reach its genetic potential. Research has shown that the nutrition requirements of the calf cannot be met by the mother cow's milk alone, and while calves can consume grass, they are unable to ingest enough to meet their daily requirement for proper growth. The result is what is termed a "hungry calf gap".

The best way to eliminate this nutrient deficiency is through the introduction of a high quality protein supplement as a creep feed. This type of ration will not only aid the calf in achieving optimum growth, the creep feed will also lessen the demand on the cow for milk. The result is the calf being able to reach its full genetic potential along with a better-conditioned cow.

A cow that is able to gain weight during the grazing season is able to channel more of her food intake into body condition as opposed to providing energy to the calf.

### FEEDING DIRECTIONS:

Feed as a complete feed to cattle along with forage. Changes to the feeding program should be made gradually for adaptation to take place. Follow an on-farm feeding program provided by your Masterfeeds Account Manager.

### FEATURES & BENEFITS:

**Highly digestible fibre, high protein, natural protein, calcium, phosphorous, salt, trace minerals, vitamins.**

- Encourages forage digestion and utilization.
- Ensures protein does not limit calves' genetic potential for growth.
- Maximizes utilization of protein for rapid and efficient growth.
- Major minerals needed for skeletal growth and maintenance.
- Highly available trace minerals for rumen microbial development, enhances performance and proper immune function.
- Optimal performance and overall health.

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**This feed contains added Selenium at 0.3 mg/kg.**

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	16.0%
Crude Fat (minimum) .....	3.8%
Crude Fibre (maximum).....	16.0%
Calcium (actual).....	1.2%
Phosphorus (actual) .....	0.5%
Sodium (actual) .....	0.28%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D (minimum) .....	2,000 IU/kg
Vitamin E (minimum) .....	45 IU/kg

**Net Weight 25 kg**

**Product #: PLAIN – 500827**

**MEDICATED – 500817**



# BULL PLEX

RATION (PELLET)

## FOR BULLS PREPARING FOR BREEDING SEASON

Masterfeeds Bull Plex Ration is a premium feed designed to prepare bulls for breeding season. Trace minerals play a crucial role in reproductive health, which is why Bull Plex Ration contains 100% chelated trace minerals for optimal absorption. It also includes Sel-Plex®, a highly bioavailable form of selenium that supports overall animal health. Available with or without urea, and in medicated (Rumensin®) or non-medicated options.

### FEEDING DIRECTIONS:

Feed at a rate of about 1% of body weight. For example, feed 4.54 kg per head per day to beef cattle weighing 454 kg assuming a total dry matter intake of 2.5% of body weight. Feed along with good quality forage. Changes to the feeding program should be made gradually to allow for adaption to take place. Follow an on-farm feeding program provided by your feed representative. For additional feeding instructions, contact your Masterfeeds Nutrition and Management Consultant.

### FEATURES & BENEFITS:

#### **100% Sel-Plex® Selenium.**

*Readily absorbed, stored and utilized by the animal to optimize animal performance. Selenium supports reproductive health, protects integrity of tissues, and healthy antioxidant status.*

#### **100% of trace minerals coming from Bioplex®.**

*Easily absorbed, readily metabolized to better meet the high demands of modern livestock production. Organic trace minerals contribute to reproductive performance and support the body's defense system.*

#### **High levels of vitamins.**

*Enhances performance and resistance to disease.*

#### **14% Protein including by-pass protein sources.**

*To ensure protein needs of the bull are met.*

#### **Highly palatable formula.**

*Contains molasses to promote increased intake.*

#### **Available medicated with Rumensin®.**

*To aid in the prevention of coccidiosis.*

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***This feed contains added Selenium at 0.3 mg/kg.***

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	14.0% *
Crude Fat (minimum) .....	3.5%
Crude Fiber (maximum).....	13.5%
Calcium (minimum) .....	1.2%
Phosphorus (minimum).....	0.5%
Sodium (minimum).....	0.20%
Vitamin A (minimum) .....	15,000 IU/kg
Vitamin D (minimum) .....	2,500 IU/kg
Vitamin E (minimum) .....	70 IU/kg

\*Equivalent crude protein from non-protein nitrogen sources (maximum%) 1.0.

Formulated with  
Solutions from



**Net Weight 25 kg**

**Product #: PLAIN (WITH UREA) – 502197**

**RUMENSIN® (NO UREA) – 502181**

**RUMENSIN® (WITH UREA) – 502191**



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Beef Nutrition



# BEEF DEVELOPER

FOR DEVELOPING BEEF CATTLE  
FOR ULTIMATE PERFORMANCE

**Masterfeeds**  
an Alltech company

Formulated with  
Solutions from

**Alltech**

Masterfeeds Beef Developer Ration (pellet) is a high-energy complete feed formulated to maximize animal performance and provide “bloom” and a smooth finish. Beef Developer Ration uses 100% chelated trace minerals due to their high availability to the animal. This ration also includes Sel-Plex® – a Selenium that is more available to the animal as well.

## FEEDING DIRECTIONS:

Feed as a complete feed along with forages. Changes to the feeding program should be made gradually for adaptation to take place. Follow an on-farm feeding program provided by your Masterfeeds Account Manager.

## FEATURES & BENEFITS:

### **100% Sel-Plex® Selenium.**

*Readily absorbed, stored and utilized by the animal to optimize animal performance. Selenium supports reproductive health, protects integrity of tissues, and is readily transmissible from placenta to fetus.*

**100% of trace minerals coming from Bioplex®.** Easily absorbed, readily metabolized to optimize animal performance. Organic trace minerals contribute to reproductive performance, and support the body's defense system.

### **High levels of vitamins.**

*Promotes optimal health status.*

### **14 % Protein including by-pass protein sources.**

*To ensure protein needs of the cow are met.*

***This feed contains added Selenium at 0.3 mg/kg.***

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	14.0%
Crude Fat (minimum) .....	3.0%
Crude Fiber (maximum).....	16.0%
Calcium (actual).....	1.1%
Phosphorus (actual) .....	0.6%
Sodium (actual) .....	0.13%
Vitamin A (minimum) .....	10,000 IU/kg
Vitamin D (minimum) .....	1,650 IU/kg
Vitamin E (minimum) .....	60 IU/kg

**Net Weight 25 kg**  
**Product #: 502206**

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# Vintage 13% BEEF RATION (PELLET)

FOR GROWING  
BEEF CATTLE

Masterfeeds Vintage 13% Beef Ration (pellet) is an economical choice. High in fibre, these pellets are for growing cattle and maintaining beef cows. This complete ration should be used as a partial grain and forage replacement.

## FEEDING DIRECTIONS:

Feed as a complete feed to cattle along with forage. Changes to the feeding program should be made gradually for adaptation to take place. For more information contact your Masterfeeds Account Manager.

*This feed contains added Selenium at 0.2 mg/kg.*

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	13.0%
Crude Fat (minimum) .....	3.5%
Crude Fibre (maximum).....	19.0%
Calcium (actual).....	0.1%
Phosphorus (actual) .....	0.7%
Sodium (actual) .....	0.24%
Vitamin A (minimum) .....	5,000 IU/kg
Vitamin D (minimum) .....	1,600 IU/kg
Vitamin E (minimum) .....	16 IU/kg

COMPLETE BEEF RATION

Net Weight 25 kg  
Product #: 502001

# *Vintage* 13% PLUS

BEEF (PELLET)

FOR GROWING  
BEEF CATTLE

Masterfeeds Vintage 13% Plus Beef (pellet) is an economical choice. High in fibre and higher in energy, these pellets are for growing cattle and maintaining beef cows. This complete ration should be used as a partial grain and forage replacement.

## FEEDING DIRECTIONS:

Feed as a complete feed to cattle along with forage. Changes to the feeding program should be made gradually for adaptation to take place. For more information contact your Masterfeeds Account Manager.

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*This feed contains added Selenium at 0.2 mg/kg.*

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	13.0%
Crude Fat (minimum) .....	3.5%
Crude Fibre (maximum).....	15.0%
Calcium (actual).....	0.9%
Phosphorus (actual) .....	0.6%
Sodium (actual) .....	0.21%
Vitamin A (minimum) .....	5,000 IU/kg
Vitamin D (minimum) .....	1,700 IU/kg
Vitamin E (minimum) .....	20 IU/kg

Net Weight 25 kg  
Product #: 502021

# *Vintage* 15% BEEF (PELLET) | FOR GROWING BEEF CATTLE

Masterfeeds Vintage 15% Plus Beef (pellet) is an economical choice. High in fibre, these pellets are for growing cattle and maintaining beef cows. This complete ration should be used as a partial grain and forage replacement.

## FEEDING DIRECTIONS:

Feed as a complete feed to cattle along with forage. Changes to the feeding program should be made gradually for adaptation to take place. Follow an on-farm feeding program provided by your Masterfeeds Account Manager.

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	15.5%
Crude Fat (minimum) .....	4.2%
Crude Fibre (maximum).....	12.0%
Calcium (actual).....	1.0%
Phosphorus (actual) .....	0.8%
Sodium (actual) .....	0.12%
Vitamin A (minimum) .....	9,000 IU/kg
Vitamin D (minimum) .....	16,000 IU/kg
Vitamin E (minimum) .....	27 IU/kg

COMPLETE BEEF RATION

Net Weight 25 kg  
Product #: 502022







PERFORMANCE IS SERVED.

**CrystalLyx®**  
BRAND SUPPLEMENTS

## The original low-moisture block supplement.

CRYSTALYX® offers a wide range of targeted formulas to cover most feeding situations — from low-quality forages, fly control and gut health, to summer pastures and everything in-between. CRYSTALYX® blocks cannot be bitten, chewed or over consumed. 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.



### CRYSTALYX® FOR BEEF

#### HIGH-QUALITY FORAGES

**MINERAL-LYX™ (GAR)** Designed to complement the mineral composition of grass or legume forages. Also available with garlic for added flavouring.

**HE-12™** Ideal for beef cattle (calves, steers, heifers, cows) on moderate to high quality forage. Rumen-available protein helps to maximize forage digestion and optimize rumen fermentation.

**BLUEPRINT® 6% PHOS MINERAL** A highly palatable supplement ideal for cattle on good to excellent quality summer forages. It delivers essential macrominerals in addition to Blueprint's® premium nutritional program of 100% organic trace minerals.

**BLUEPRINT® BATTALION®** Fortified with electrolytes and high levels of vitamins and trace minerals to help overcome nutritional stress associated with shipping, weaning and breeding. Blueprint® Battalion® contains chromium, Actigen® and BioPlex® Hi-Four.

#### MEDIUM-QUALITY FORAGES

**HE-20™** A high energy supplement consisting of a nutrient-dense blend of molasses solids, protein, hydrolyzed vegetable oil, vitamins, minerals and trace minerals.

**BRIGADE™** A high energy, free-choice supplement fortified with electrolytes, high levels of vitamins and minerals and BioPlex® organic trace minerals to overcome nutritional stress associated with weaning, shipping, grouping and the breeding period.

**BLUEPRINT® 20 AN** Designed to help improve forage utilization. Fortified with all highly bioavailable organic trace minerals.

#### LOW-QUALITY FORAGES

**BLUEPRINT® 30 WITH ACTIGEN®** contains 30% crude protein from vegetable-based ingredients, as well as non-protein nitrogen (NPN). It is designed to be fed to beef cattle on medium to lower quality forages to help improve forage utilization.

**VP-30™ OR VP-40™** 30% or 40% protein formulas ideal for all classes of beef cattle on late season pastures, crop residues, or low quality, harvested forages. 30% formula also available with AllBrew® to support overall performance.

#### PRODUCTS WITH



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® 4% PHOS MINERAL W/ ALTOSID® IGR.005

BioPlex® 100% organic trace minerals and 0.005% S-Methoprene to prevent the emergence of adult horn flies from the manure of treated cattle.

#### BLUEPRINT® 6% PHOS MINERAL W/ 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.





## CRYSTALYX® FOR DAIRY

**BLUEPRINT® CLOSE-UP™** Contains chelated/organic trace minerals and anionic salts and is designed to be fed in addition to a balanced dry cow ration three weeks before calving. Well suited for use in herds or conditions where milk fever and hypocalcemia are likely to occur.

**BLUEPRINT® DRY 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.



## CRYSTALYX® FOR SHEEP & GOATS

**SHEEP-LYX™** 16% 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.



## CRYSTALYX® FOR HORSES

**STABLE-LYX™** Formulated with key trace minerals (chelated and inorganic), vitamins and macro minerals your horse needs, this formula is suited for horses of all ages fed moderate to high quality forages. The addition of biotin keeps the hooves in shape. Stable-lyx™ contains salt to aid in intake control.

## CRYSTALYX® BIOBARREL®:

All Crystalyx® products are available in our BioBarrel™ – a biodegradable and edible product container. Made of natural products the container can be consumed or it will break away at the same level the supplement is consumed.



## BENEFITS OF CRYSTALYX® 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 and 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:** Crystalyx® blocks are free of animal by-products.



## GUARANTEED ANALYSIS COMPARISON CHART

Product Name		Product Codes	Tub Sizes	Protein (%) min.	*ECP from NPS max.	Fat (%) min.	Ca (%) act.	P (%) act.	Mg (%) act.	Added Salt	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 <sub>3</sub> (IU/kg) min.	Vit E (IU/kg) min.
CRYSTALYX® FOR BEEF																					
HIGH	Mineral-Lyx™ ≠ §	810209/810258	100 kg/27.3 kg	—	—	3.0	4.0	4.0	3.0	No	1.7	25	500	2,000	1,500	5.0	350	6.0	220,000	22,000	220
	Mineral-Lyx™ (GAR) ≠	810211	100 kg	—	—	3.0	4.0	4.0	3.0	No	1.7	25	500	2,000	1,500	5.0	350	6.0	220,000	22,000	220
	HE-12™ ≠	810207/810260	100 kg/27.3 kg	12.0	—	3.0	1.3	0.8	1.0	No	2.0	12.5	250	1,000	750	2.5	100	6.0	154,000	15,400	176
	Blueprint® 6% Phos Mineral ≠	810893	100 kg	—	—	—	6.0	6.0	3.5	No	1.7	90	675	945	1,980	72.0	400	13.2	440,000	44,000	440
	Blueprint® Battalion	810274	100 kg	14.0	—	4.0	2.0	2.0	1.0	Yes	2.5	55	450	670	1,300	45	132	—	176,000	17,600	17,762
MED	HE-20™ ≠ §	810222	100 kg	20.0	10.0	3.0	1.3	0.8	1.0	No	2.0	12.5	250	1,000	750	2.5	100	6.0	154,000	15,400	176
	Brigade™ ≠ §	810204/810231	100 kg/27.3 kg	14.0	—	4.0	2.3	2.0	1.0	Yes	2.0	25	500	2,000	1,500	5.0	200	6.0	176,000	35,200	1,760
	Blueprint® 20 AN ≠ §	810190	100 kg	20.0	—	4.0	1.0	1.0	1.0	No	2.0	30	225	315	660	24.0	100	6.0	176,300	17,630	220
LOW	Blueprint® 30 ≠ §	810191	100 kg	30.0	15.0	4.0	2.0	2.0	1.0	No	2.0	30	225	315	660	24.0	140	6.0	176,000	17,600	220
	VP-30™ ≠ §	810231/810229	100 kg/27.3 kg	30.0	15.0	4.0	2.0	2.0	1.0	No	2.0	17	330	1,330	1,000	3.3	50	6.0	176,000	17,600	220
	VP-40™	810230/810234	100 kg/27.3 kg	40.0	21.0	4.0	1.1	1.0	1.0	No	1.7	17	330	1,330	1,000	3.3	140	6.0	176,000	17,600	220
PRODUCTS WITH ALTOSID®																					
Blueprint® 4% Phos w/Altosid® IGR.005		810327	100 kg	—	—	3.0	4.9	4.0	3.0	No	—	45	336	472	990	36.0	—	6.0	220,400	22,000	220
Blueprint® 6% Phos w/Altosid® IGR.01		810331	100 kg	—	—	—	6.0	6.0	3.5	No	1.7	90	675	945	1,980	72.0	400	13.2	440,000	44,000	440
CRYSTALYX® FOR DAIRY																					
Blueprint® Close-Up™		810206/810253	100 kg/27.3 kg	15.0	10.0	3.0	6.0	—	2.5	—	—	—	625	2,500	2,500	40.0	70	—	440,000	88,000	3,080
Blueprint® Dry Cow™		810217/810254	100 kg/27.3 kg	15.0	10.0	3.0	1.7	1.0	2.5	No	—	50	625	2,500	2,500	40.0	70	—	440,000	88,000	3,080
CRYSTALYX® FOR SHEEP & GOATS																					
Sheep-Lyx™ ≠ §		812499/812500/810259	100 kg/56.4 kg/27.3 kg	16.0	—	4.0	1.7	1.0	1.0	No	2.0	60	15•	1,700	1,700	30.0	80	6.0	220,460	55,115	440
CRYSTALYX® FOR HORSES																					
Stable-Lyx™ ≠ §		810208/810257	100 kg/27.3 kg	12.0	—	5.0	1.5	1.0	1.0	Yes	2.0	6.6	250	880	880	5.0	100	0.73	66,000	11,000	550

\*Equivalent Crude Protein from non-protein nitrogen sources (maximum) / • No copper added | ≠ Floor Stock Masterfeeds Wingham | § Floor Stock Masterfeeds Cavan





# MINERAL-LYX™

FOR BEEF CATTLE &  
GROWING HEIFERS

Crystalyx® brand Mineral-Lyx™ is designed for self-feeding to grazing beef cattle and replacement dairy heifers.

## FEATURES & BENEFITS:

### **Trace mineral fortification.**

*Designed to complement the mineral composition of grass or legume forages (on pasture or stored).*

### **Naturally self-limiting.**

*Low-moisture block delivery cannot be bitten or chewed.*

### **Trace minerals & vitamins.**

*Nutrition available 24/7.*

### **Ideal for beef cattle on spring & summer pasture.**

### **Contains All Brew™.**

*Supports gut integrity and builds defenses as well as supports nutrient transfer during lactation.*

### **Garlic formula also available.**

*For added flavouring.*

## ADVANTAGES OVER DRY BAGGED MINERALS:

- Does not need salt or other ingredients to attract cattle to supplement or help in regulating intake.
- Wind proof, water proof, waste proof.
- Research results demonstrate significantly more cattle visited Crystalyx® than dry loose mineral feeders.

This product is currently only available in Ontario, Manitoba and parts of Saskatchewan. Contact your Masterfeeds Account Manager for availability.

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*This feed contains added Selenium at 6.0 mg/kg.*

## GUARANTEED ANALYSIS

Crude Fat (minimum) .....	3.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	4.0%
Phosphorus (actual) .....	4.0%
Magnesium (actual).....	3.0%
Potassium (actual) .....	1.7%
Copper (actual).....	500 mg/kg
Iodine (actual) .....	25 mg/kg
Manganese (actual).....	2,000 mg/kg
Cobalt (actual) .....	5 mg/kg
Zinc (actual).....	1,500 mg/kg
Fluorine (maximum) .....	350 mg/kg
Vitamin A (minimum) .....	220,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	22,000 IU/kg
Vitamin E (minimum) .....	220 IU/kg

Net Weight 100 kg | 27.3 kg | AB 100 kg | G 100 kg  
Product #: 810209 | 810258 | 810280 | 810211



# HE-12™

## FOR SELF-FEEDING TO GRAZING BEEF CATTLE

Crystalyx® brand HE-12™ is a unique, high energy supplement consisting of a nutrient-dense blend of molasses solids, protein meals, hydrolyzed vegetable oil, vitamins, minerals and trace minerals. HE-12™ provides essential supplemental nutrients to livestock consuming moderate to high quality forages. The continuous nutrient availability of HE-12™ promotes efficient utilization of supplemental nutrients.

### FEEDING DIRECTIONS:

Place containers in areas that achieve desired supplement intake. Once acceptable intake levels have been achieved, the containers may be moved to under-utilized pasture areas to improve grazing distribution and forage utilization. Feed at the rate of one container for every 20 to 30 head. A minimum of two containers may be required in each lot or pasture to ensure proper accessibility. Free-choice consumption will depend on the size of the animals, seasonal weather conditions, as well as, quality, source and availability of other feeds. Cattle typically consume between 225 to 454 grams per-head, per-day.

**All consumption figures stated here are approximate. Provide free access to clean, fresh water at all times. Crystalyx® brand HE-12™ contains no salt. Provide salt free-choice.**

### FEATURES & BENEFITS:

**High energy level.** HE-12™ contains no non-nutritive fillers or binders and has almost no moisture (typically 2% to 5%). HE-12™ is a nutrient-dense product that can be fed to animals consuming moderate to high quality forages without a depression in forage utilization.

**Continuous availability of HE-12™ provides a frequent supply of small amounts of energy.** Can enhance forage utilization rather than interfere with it, which is often seen with grain-based supplements. HE-12™ can increase energy status by providing energy directly to the animal and by increasing forage digestion.

**Minerals and vitamins.** Mineral and vitamin supplementation in HE-12™ impacts forage digestion by rumen microorganisms, as well as metabolism and productivity of the animal.

**Palatability.** High palatability of molasses ensures beef cattle throughout your herd will consume supplemental nutrients in HE-12™. Animals consume HE-12™ for the molasses, but they receive concentrated amounts of additional energy, protein, minerals, trace minerals and vitamins each time they lick the block.

**Continuous protein supplementation.** Amino acids and peptides are required by rumen microorganisms to maximize forage digestion. Rumen microorganisms can benefit from the continuous availability of amino acids and peptides provided by HE-12™ Supplement.

**Plant proteins in HE-12™ are combined with molasses solids and hydrolyzed vegetable oil.** Provides a properly balanced protein and energy supplement to complement moderate to high quality forages.

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**This feed contains added Selenium at 6.0 mg/kg.**

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	12.0%
Crude Fat (minimum) .....	5.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	1.3%
Phosphorus (minimum).....	0.8%
Magnesium (minimum).....	1.0%
Potassium (minimum) .....	2.0%
Iodine (actual) .....	12.5 mg/kg
Iron (actual).....	600 mg/kg
Copper (actual).....	250 mg/kg
Manganese (actual).....	1,000 mg/kg
Cobalt (actual) .....	2.5 mg/kg
Zinc (actual).....	750 mg/kg
Fluorine (maximum).....	100 mg/kg
Vitamin A (minimum) .....	176,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	17,600 IU/kg
Vitamin E (minimum) .....	220 IU/kg

**Net Weight 100 kg | 27.3 kg**  
**Product #: 810207 | 810260**





# 6% PHOS MINERAL

FOR BEEF CATTLE  
ON PASTURE

BEEF SUPPLEMENT BLOCK

Crystalyx® Blueprint® 6% Phos Mineral is a highly palatable mineral supplement that is ideal for cattle of all production statuses on good to excellent quality summer forages. This mineral tub delivers essential macrominerals in addition to Blueprint's® premium nutritional program of 100% organic trace minerals.

## FEEDING INSTRUCTIONS:

Crystalyx® Blueprint® 6% Phos Mineral supplement is designed for self-feeding to grazing beef cattle. Use as a source of calcium, phosphorus, vitamins and trace minerals when forage crude protein is not limiting. This product does not provide enough supplemental magnesium to aid in the prevention of grass tetany.

Place containers in areas that achieve desired supplement intake. Once acceptable intake levels have been achieved, the containers may be moved to underutilized pasture areas to improve grazing distribution and forage utilization. Feed at the rate of one container for every 40 to 75 head of mature animals. A minimum of two (2) containers may be necessary in each lot or pasture to ensure proper accessibility. Free-choice consumption will depend on size of the animals fed, seasonal weather conditions, as well as quality, source and availability of other feeds. Beef cattle may consume from 50 to 230 grams per head daily. Cattle should typically consume 110 grams per head daily. Manage the number of animals per container to achieve a 110 gram intake per head daily.

All consumption figures stated here are approximate. Provide free access to clean, fresh water at all times.

Crystalyx® Blueprint® 6% Phos Mineral Supplement contains no salt. Provide salt free-choice.

## FEATURES & BENEFITS:

**100% organic trace minerals.** Easily absorbed, readily metabolized to optimize animal performance; contribute to reproductive performance and support the body's defense system.

*This feed contains added Selenium at 13.2 mg/kg.*

## GUARANTEED ANALYSIS

Calcium (minimum) .....	6.0%
Phosphorus (minimum) .....	6.0%
Magnesium (minimum) .....	3.5%
Potassium (minimum) .....	1.7%
Iodine (minimum) .....	90 mg/kg
Copper (minimum) .....	675 mg/kg
Manganese (minimum) .....	945 mg/kg
Zinc (minimum) .....	1,980 mg/kg
Cobalt (minimum) .....	36 mg/kg
Vitamin A (minimum) .....	440,000 IU/kg
Vitamin D <sub>3</sub> (minimum) .....	44,000 IU/kg
Vitamin E (minimum) .....	440 IU/kg

Net Weight 100 kg  
Product #: 810193

Formulated with  
Solutions from **Altech**

 **Masterfeeds** Beef Nutrition  
an Altech company



# BATTALION®

FOR STRESSED BEEF CATTLE DURING WEANING,  
SHIPPING, GROUPING & BREEDING PENS

Crystalyx® Blueprint® Battalion® is a nutrient dense, self-fed supplement fortified with electrolytes, high levels of vitamins, Bioplex® Hi-Four and Bio-Mos® 2. It also contains chromium, which has been shown to be important in maintaining health of stressed calves. Blueprint® Battalion® helps overcome nutritional stress associated with weaning, shipping, grouping and the breeding period.

## FEEDING DIRECTIONS:

Crystalyx® Blueprint® Battalion® is designed for self-feeding to calves, growing cattle and mature beef cattle fed moderate to high protein forages. Blueprint Battalion is fortified with electrolytes and high levels of vitamins and Bioplex® organic trace minerals to help overcome nutritional stress associated with shipping, weaning and breeding. Self-fed consumption will depend on size of animals fed, as well as quality, source and availability of other feeds.

**Pen-Raised Calves:** Place containers near water source or feed bunks, preferably elevated from ground level to minimize contamination with dirt and other foreign materials that may discourage consumption. Use one container per head for individually-fed calves, and one container for every 3 to 10 head when calves are fed in groups. Calves typically consume between 28 and 113 grams per head per day.

**Growing Cattle And Mature Cattle:** Place containers in areas that achieve desired supplement intake. Once acceptable intake levels have been achieved, the containers may be moved to underutilized pasture areas to improve grazing distribution and forage utilization. Feed at the rate of one container for every 20 to 30 head, with a minimum of two (2) containers in each lot or pasture to ensure proper accessibility. Growing and mature cattle typically consume between 113 and 340 grams per head per day. This product contains Bio-Mos® 2, Yea Sacc® and Bioplex® trace minerals.

**All consumption figures stated here are approximate. Provide free access to fresh, clean water at all times.**

## FEATURES & BENEFITS:

**Bio-Mos® 2.** Formulated to feed the gastrointestinal tract, Bio-Mos® 2 is a new feed supplement for your cattle to optimize average daily gain and reinforce a healthy gut microbiome without antibiotics at all stages of production.

**Bioplex® Hi-Four.** Bioplex trace minerals (zinc, manganese, copper, iron and cobalt) Easily absorbed, readily metabolized to optimize animal performance. Organic trace minerals contribute to reproductive performance and support the body's defense system.

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

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**This feed contains added Selenium at 8.8 mg/kg.**

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	14.0%
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	3.0%
Calcium (minimum) .....	2.0%
Phosphorus (minimum).....	2.0%
Salt (minimum).....	1.5%
Salt (maximum) .....	2.0%
Magnesium (minimum).....	1.0%
Potassium (minimum) .....	2.0%
Iodine (minimum).....	55 mg/kg
Copper (minimum) .....	450 mg/kg
Manganese (minimum) .....	315 mg/kg
Cobalt (minimum) .....	28.5 mg/kg
Zinc (minimum) .....	1,300 mg/kg
Vitamin A (minimum) .....	80,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	8,000 IU/kg
Vitamin E (minimum) .....	800 IU/kg

**Net Weight 100 kg  
Product #: 810274**

Formulated with  
Solutions from



**Masterfeeds** Beef Nutrition  
an Altech company



# HE-20™

## FOR SELF-FEEDING TO GRAZING BEEF CATTLE

Crystalyx® HE-20™ is a unique, high energy supplement consisting of a nutrient-dense blend of molasses solids, protein, hydrolyzed vegetable oil, vitamins, minerals and trace minerals. HE-20™ provides essential supplemental nutrients to livestock consuming moderate quality forages. The continuous nutrient availability of HE-20™ promotes efficient utilization of supplemental nutrients.

### FEATURES & BENEFITS:

**Rumen-available protein** (in the form of amino acids, peptides and urea). Helps to maximize forage digestion and optimize rumen fermentation.

**Naturally self-limiting.** Low-moisture block delivery cannot be bitten or chewed.

**Trace minerals and vitamins.**  
Nutrition available 24/7.

**Highly palatable.** Consistently encourages consumption of minerals and vitamins under self-fed grazing conditions

**Ideal for beef cattle** (calves, steers, heifers, cows).  
For livestock receiving moderate quality forage.

### ADVANTAGES OVER DRY BAGGED MINERALS:

- Does not need salt or other ingredients to attract cattle to supplement or help in regulating intake.
- Wind proof, water proof, waste proof.
- Research results demonstrate significantly more cattle visited Crystalyx™ than dry loose mineral feeders.

This product is currently only available in Ontario, Manitoba and parts of Saskatchewan. Contact your Masterfeeds Account Manager for availability.

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**This feed contains added Selenium at 6.0 mg/kg.**

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	20.0%*
Crude Fat (minimum) .....	3.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	1.3%
Phosphorus (actual) .....	0.8%
Magnesium (actual).....	0.3%
Sodium (actual) .....	1.1%
Potassium (actual) .....	2.0%
Iodine (actual) .....	12.5 mg/kg
Copper (actual).....	250 mg/kg
Manganese (minimum) .....	1,000 mg/kg
Cobalt (actual) .....	2.5 mg/kg
Zinc (minimum) .....	750 mg/kg
Fluorine (maximum).....	100 mg/kg
Vitamin A (minimum) .....	154,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	15,400 IU/kg
Vitamin E (minimum) .....	176 IU/kg

\*Including not more than 10.0% equivalent crude protein from non-protein nitrogen.

Net Weight 100 kg  
Product #: 810222



## BRIGADE® STRESS FIGHTING FORMULA

FOR STRESSED BEEF CATTLE  
DURING WEANING, SHIPPING,  
GROUPING & BREEDING PENS

Crystalyx® brand Brigade® Stress Fighting Formula is a high energy, free-choice supplement fortified with electrolytes, high levels of vitamins and minerals and Bioplex® organic trace minerals. This helps overcome nutritional stress associated with weaning, shipping, grouping and the breeding period.

### FEEDING DIRECTIONS:

Crystalyx® brand Brigade® Stress Fighting Formula is designed for free-choice feeding to calves, growing cattle and mature breeding cattle fed moderate to high protein forages. Brigade Stress Fighting Formula is fortified with electrolytes and with levels of vitamins and trace minerals to help overcome nutritional stress associated with shipping, weaning, rapid growth rates, late gestation and early lactation. Free-choice consumption will depend on the size of the animals fed, as well as, quality, source and availability of other feeds.

**Pen-Raised Calves:** Place containers near water source or feed bunks, preferably elevated from ground level to minimize contamination with dirt and other foreign materials that may discourage consumption. Use one container per-head for individually-fed calves, and one container for every three to 10 head when calves are fed in groups. Calves typically consume between 30 and 120 grams per-head, per-day.

**Growing Cattle & Mature Breeding Cattle:** Place containers in areas that achieve desired supplement intake. Once acceptable intake levels have been achieved, the containers may be moved to under-utilized pasture areas to improve grazing distribution and forage utilization. Feed at the rate of one container for every 20 to 30 head, with a minimum of two containers in each lot or pasture to ensure proper accessibility. Cattle typically consume between 100 and 340 grams per-head, per-day.

*All consumption figures stated here are approximate.  
Provide free access to clean, fresh water at all times.*

### FEATURES & BENEFITS:

**Improves breeding conditions.** Expression of heat, standing estrus; Fertility; Conception rates; Contains Bioplex® organic copper, zinc and manganese to improve trace mineral availability and utilization; Stimulates dry matter intake leading to better condition at breeding time.

**Reduces stress.** Crystalyx® brand Brigade® Stress Fighting Formula can reduce stress caused by weaning, environment, grouping and shipping.

**Stimulates appetite.** B-vitamin complex helps stimulate intake during periods when different stressors challenge intake; High vitamin and trace mineral fortification enhances immune response for fighting disease; Palatability ensures consumption of critical nutrients.

### CONTAINER OPTIONS:

**Steel Barrel:** Steel barrels are durable and returnable, but do have the added costs to return the containers. Steel barrels are environmentally responsible as they are removed from pastures once Crystalyx® brand Brigade is consumed.

**BioBarrel®:** The BioBarrel® naturally degrades and disappears. The need for container collection and return is eliminated.

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*This feed contains added Selenium at 6.0 mg/kg.*

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	14.0%
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	2.3%
Phosphorus (actual) .....	2.0%
Magnesium (minimum).....	1.0%
Salt (minimum).....	1.8%
Salt (maximum) .....	2.0%
Potassium (minimum) .....	2.2%
Iodine (minimum).....	25 mg/kg
Copper (minimum) .....	500 mg/kg
Manganese (minimum) .....	2,000 mg/kg
Cobalt (minimum) .....	5 mg/kg
Zinc (minimum) .....	1,500 mg/kg
Vitamin A (minimum) .....	176,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	35,200 IU/kg
Vitamin E (minimum) .....	1,760 IU/kg

Net Weight 100 kg | 27.3 kg  
Product #: 810204 | 810231



## 20 AN | FOR ALL CLASSES OF CATTLE

Crystalyx® Blueprint® 20 AN is designed to be fed to cattle on good to medium quality forages to help improve forage utilization. Blueprint® 20 AN is uniquely fortified with all highly bioavailable organic trace minerals and contains no inorganic trace mineral forms. The Blueprint® product line is intended to provide optimal trace mineral nutrition to meet today's advanced animal genetic demands while protecting the environment from unnecessary over supply of less available forms.

### FEEDING INSTRUCTIONS:

Crystalyx® Blueprint® 20 AN supplement is designed for self-feeding to grazing beef cattle.

Place containers in areas that achieve desired supplement intake. Once acceptable intake levels have been achieved, the containers may be moved to underutilized pasture areas to improve grazing distribution and forage utilization. Feed at the rate of one container for every 20 to 30 head. A minimum of two (2) containers may be necessary in each lot or pasture to ensure proper accessibility. Self-fed consumption will depend on size of the animals fed, seasonal weather conditions, as well as quality, source and availability of other feeds. Cattle typically consume between 181 and 340 grams per head per day.

**All consumption figures stated here are approximate. Provide free access to clean, fresh water at all times. Crystalyx® Blueprint® 20 AN supplement contains no salt. Provide salt free-choice.**

### FEATURES & BENEFITS:

**20% Crude Protein from all vegetable-based ingredients.** Designed for ruminating cattle on low to medium quality forages.

**Blueprint® Total Replacement Technology.** Features Bioplex® organic trace minerals as the only source of Cobalt, Copper, Manganese and Zinc. Bioplex® provides mineral nutrition in a form as close to nature as possible.

**Sel-Plex®.** A safe, natural form of Selenium that contributes to stronger immune systems, better productivity and reproduction success and higher nutritional value of meat.

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

**This product is currently only available in Ontario, Manitoba and parts of Saskatchewan. Contact your Masterfeeds Account Manager for availability.**

**This feed contains added Selenium at 8.8 mg/kg.**

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	20.0%
Crude Fat (minimum).....	4.0%
Crude Fibre (maximum).....	3.0%
Calcium (minimum).....	1.0%
Calcium (maximum).....	1.5%
Phosphorus (minimum).....	1.0%
Magnesium (minimum).....	1.0%
Salt (minimum).....	None Added
Potassium (minimum).....	2.0%
Iodine (minimum).....	30 mg/kg
Copper (minimum).....	225 mg/kg
Manganese (minimum).....	315 mg/kg
Zinc (minimum).....	660 mg/kg
Cobalt (minimum).....	24 mg/kg
Vitamin A (minimum).....	80,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	8,000 IU/kg
Vitamin E (minimum).....	100 IU/kg

**Net Weight 100 kg  
Product #: 810190**

Formulated with  
Solutions from **Altech®**

**Masterfeeds®** Beef Nutrition  
an Altech® company





## 30 | FOR SELF-FEEDING TO ALL CLASSES OF BEEF CATTLE

Crystalyx® Blueprint® 30 is designed to be fed to beef cattle on medium to lower quality forages to help improve forage utilization. Blueprint® 30 is uniquely fortified with all highly bioavailable organic trace minerals and contains no inorganic trace mineral forms.

### FEEDING DIRECTIONS:

Crystalyx® Blueprint® 30 supplement is designed for self-feeding to all classes of beef cattle.

Place containers in areas that achieve desired supplement intake. Once acceptable intake levels have been achieved, the containers may be moved to underutilized pasture areas to improve grazing distribution and forage utilization. Feed at the rate of one container for every 20 to 30 head. A minimum of two containers may be necessary in each lot or pasture to ensure proper accessibility. Free-choice consumption will depend on size of the animals fed, seasonal weather conditions, as well as quality, source and availability of other feeds. Cattle typically consume between 180 and 340 grams per head daily.

### FEATURES & BENEFITS:

**100% Sel-Plex® Selenium.** Readily absorbed, stored and utilized by the animal to optimize animal performance. Selenium supports reproductive health, protects integrity of tissues, and is readily transmissible from placenta to fetus.

**100% of trace minerals coming from Bioplex®.** Easily absorbed, readily metabolized to optimize animal performance. Organic trace minerals contribute to reproductive performance and support the body's defense system.

**Contains high levels of vitamins A, D and E.** Promotes optimal health status.

**Low moisture molasses block.** Hard texture does not allow cattle to bite, chew, or over consumed supplement, while encouraging consistent intake.

**30% total protein.** Supplies protein needed by cattle consuming low quality pasture or forage.

**Contains 15% NPN.** Soluble protein source available to rumen microbes to help digest in low quality forages.

### THE BLUEPRINT FOR PERFORMANCE THROUGH NUTRITION:

- Highly efficient trace mineral fortification
- Promote reproductive performance
- Support the body's natural defense system
- Support health antioxidant status

*This feed contains added Selenium at 6.0 mg/kg.*

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	30.0%*
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	3.0%
Calcium (minimum) .....	2.0%
Phosphorus (minimum).....	2.0%
Magnesium (minimum) .....	1.0%
Potassium (minimum) .....	2.0%
Iodine (minimum).....	30 mg/kg
Copper (minimum) .....	225 mg/kg
Manganese (minimum) .....	315 mg/kg
Cobalt (minimum) .....	24 mg/kg
Zinc (minimum) .....	660 mg/kg
Vitamin A (minimum) .....	176,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	17,600 IU/kg
Vitamin E (minimum) .....	220 IU/kg

*\*Including not more than 15.0% equivalent Crude Protein from non-protein nitrogen.*

**Net Weight 100 kg  
Product #: 810191**

Formulated with  
Solutions from



**Masterfeeds** Beef Nutrition  
an Altech company



# VP-30™

## FOR CATTLE ON PASTURE

Crystalux® VP-30™ is a unique, high energy supplement consisting of a nutrient-dense blend of molasses solids, protein, hydrolyzed vegetable oil, vitamins, minerals and trace minerals. VP-30™ provides essential supplemental nutrients to livestock consuming moderate quality forages. The continuous nutrient availability of VP-30™ promotes efficient utilization of supplemental nutrients.

### FEATURES & BENEFITS:

**Rumen-available protein.** Helps to maximize forage digestion and optimize rumen fermentation.

**Naturally self-limiting.** Low-moisture block delivery cannot be bitten or chewed.

**Trace minerals & vitamins.** Nutrition available 24/7.

**Highly palatable.** Consistently encourages the consumption of minerals and vitamins under self-fed grazing conditions.

**Ideal for cattle** (calves, steers, heifers, cows). Ideal for cattle on late season pastures, crop residues, or low quality, harvested forages.

**Available with All-Brew.** Supports gut integrity and builds defenses as well as supports nutrient transfer during lactation.

**Contains Sel-Plex®.** Helps support mineral retention. The Selenium in Sel-Plex® is the same form naturally present in plants. This mean better absorption, storage and utilization for your cattle. Improved Selenium status supports reproductive health and antioxidant activity.

### ADVANTAGES OVER DRY BAGGED MINERALS:

- Does not need salt or other ingredients to attract cattle to supplement or help in regulating intake.
- Wind proof, water proof, waste proof.
- Research results demonstrate significantly more cattle visited Crystalux® than dry loose mineral feeders.

This product is currently only available in Ontario, Manitoba and parts of Saskatchewan. Contact your Masterfeeds Account Manager for availability.

**This feed contains added Selenium at 6.0 mg/kg.**

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	30.0% *
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	2.0%
Phosphorus (actual) .....	2.0%
Magnesium (actual).....	1.0%
Potassium (actual) .....	2.0%
Iodine (actual) .....	17 mg/kg
Copper (actual).....	330 mg/kg
Manganese (actual).....	1,330 mg/kg
Zinc (actual).....	1,000 mg/kg
Cobalt (actual) .....	3.3 mg/kg
Fluorine (maximum).....	140 mg/kg
Vitamin A (minimum) .....	176,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	17,600 IU/kg
Vitamin E (minimum) .....	220 IU/kg

\*Including not more than 15.0% equivalent Crude Protein from non-protein nitrogen.

Formulated with  
Solutions from **Alltech**

**Net Weight 100 kg | 56.7 kg | AB 100 kg**  
**Product #: 810231 | 810229 | 810281**

 **Masterfeeds** Beef Nutrition  
an Alltech company



# VP-40™

## FOR CATTLE ON PASTURE

Crystalyx® VP-40™ is a unique, high energy supplement consisting of a nutrient-dense blend of molasses solids, protein, hydrolyzed vegetable oil, vitamins, minerals and trace minerals. VP-40™ provides essential supplemental nutrients to livestock consuming moderate quality forages. The continuous nutrient availability of VP-40™ promotes efficient utilization of supplemental nutrients.

### FEATURES & BENEFITS:

**Rumen-available protein.** Helps to maximize forage digestion and optimize rumen fermentation.

**Naturally self-limiting.** Low-moisture block delivery cannot be bitten or chewed.

**Trace minerals and vitamins.** Nutrition available 24/7.

**Highly palatable.** Consistently encourages the consumption of minerals and vitamins under self-fed grazing conditions.

**Ideal for cattle** (calves, steers, heifers, cows). Ideal for cattle on late season pastures, crop residues, or low quality, harvested forages.

**Contains Sel-Plex®.** Helps support mineral retention. The Selenium in Sel-Plex® is the same form naturally present in plants. This mean better absorption, storage and utilization for your cattle. Improved Selenium status supports reproductive health and antioxidant activity.

### ADVANTAGES OVER DRY BAGGED MINERALS:

- Does not need salt or other ingredients to attract cattle to supplement or help in regulating intake.
- Wind proof, water proof, waste proof.
- Research results demonstrate significantly more cattle visited Crystalyx® than dry loose mineral feeders.

This product is currently only available in Ontario, Manitoba and parts of Saskatchewan. Contact your Masterfeeds Account Manager for availability.

**This feed contains added Selenium at 6.0 mg/kg.**

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	40.0% *
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	1.1%
Phosphorus (actual) .....	1.0%
Magnesium (actual).....	1.0%
Sodium (actual) .....	1.6%
Potassium (actual) .....	1.7%
Iodine (actual) .....	17 mg/kg
Copper (actual).....	330 mg/kg
Manganese (actual).....	1,330 mg/kg
Zinc (actual).....	1,000 mg/kg
Cobalt (actual) .....	3.3 mg/kg
Fluorine (maximum).....	140 mg/kg
Vitamin A (minimum) .....	176,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	17,600 IU/kg
Vitamin E (minimum) .....	220 IU/kg

\*Including not more than 15.0% equivalent Crude Protein from non-protein nitrogen.

Formulated with  
Solutions from



**Net Weight 100 kg | 56.7 kg**  
**Product #: 810230 | 810234**



**Masterfeeds** Beef Nutrition  
an Alltech company



# 4% PHOS WITH ALTOSID® IGR.005

Crystalyx® 4% Phos with Altosid® IGR.005 is a solid nutritional supplement containing 0.005% S-Methoprene Insect Growth Regulator (IGR) for continuous feeding to beef cattle. It prevents the emergence of adult horn flies from the manure of treated cattle, improving cattle comfort to help them consume more feed and gain better.

## FEEDING INSTRUCTIONS:

This product is to be used as a beef cattle feed-through pesticide.

Feed this product to beef cattle only. When used as directed, Crystalyx® Blueprint® 4% Phos Beef Cattle Mineral with Altosid® IGR. Will provide sufficient (S)-methoprene insect growth regulator to prevent the emergence of adult horn flies from the manure of treated cattle. Existing adult horn flies will not be affected. Start feeding before horn flies appear and continue use until cool weather marks the end of the horn fly season. Allow free-choice to cattle. Cattle should consume an average of 22.68 g per 45.36 kg of cattle body weight per day, which is equivalent to 226.8 g per day for a 453.60 kg cow.

1. Assure cattle are not starved for nutrients prior to feeding Crystalyx® Blueprint® 4% Phos Beef Cattle Mineral with Altosid® IGR.005.
2. This product contains added Copper. Do not feed to cattle in close proximity to sheep or other species that have a low tolerance to supplemental copper.
3. Offer cattle one block for every 15 to 25 heads.
4. Remove all other self-limiting nutritional supplements while the cattle are consuming this product.
5. Locate product where cattle congregate (watering, loafing, shade areas).
6. Replenish product on a regular basis as needed.

7. If intake is below 22.68 g per 45.36 kg cattle body weight per day, reduce the number of feeding locations and/or change location(s) to areas less frequented by cattle.
8. Introduction of this product after horn fly infestation is established will require treatment of cattle with adulticides if elimination of the adult fly population is desired.

## FEATURES & BENEFITS:

**Active ingredient – (S)-Methoprene (0.005%).**  
*An insect growth regulator that prevents the emergence of adult horn flies from the manure of treated cattle.*

***This feed contains added Selenium at 6.0 mg/kg.***

## GUARANTEED ANALYSIS

Crude Fat (minimum) .....	3.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	4.9%
Phosphorus (actual) .....	4.0%
Magnesium (actual).....	3.0%
Iodine (actual) .....	45 mg/kg
Copper (actual).....	336 mg/kg
Manganese (minimum) .....	472 mg/kg
Zinc (minimum) .....	990 mg/kg
Cobalt (minimum) .....	36 mg/kg
Vitamin A (minimum) .....	220,400 IU/kg
Vitamin D <sub>3</sub> (minimum).....	22,000 IU/kg
Vitamin E (minimum) .....	220 IU/kg

**Net Weight 100 kg**  
**Product #: 810327**

Formulated with  
Solutions from **Altech®**

 **Masterfeeds®** Beef Nutrition  
an Altech® company



# 6% PHOS WITH ALTOSID® IGR.01

Crystalyx® 6% Phos with Altosid® IGR.01 is a solid nutritional supplement containing 0.1% S-Methoprene Insect Growth Regulator (IGR) to prevent the emergence of adult horn flies. It is a highly palatable mineral supplement that is ideal for cattle of all production statuses on good to excellent quality summer forages. This supplement delivers essential macrominerals in addition to 100% organic trace minerals.

## FEEDING INSTRUCTIONS:

This product is to be used as a beef cattle feed-through pesticide.

Feed this product to beef cattle only. When used as directed, Crystalyx® Blueprint® 6% Phos Beef Cattle Mineral with Altosid® IGR. Will provide sufficient (S)-methoprene insect growth regulator to prevent the emergence of adult horn flies from the manure of treated cattle. Existing adult horn flies will not be affected. Start feeding before horn flies appear and continue use until col weather marks the end of the horn fly season. Allow free-choice to cattle. Cattle should consume an average of 22.68 g per 45.36 kg of cattle body weight per day, which is equivalent to 226.8 g per day for a 453.60 kg cow.

1. Assure cattle are not starved for nutrients prior to feeding Crystalyx® Blueprint® 6% Phos Beef Cattle Mineral with Altosid® IGR.01.
2. This product contains added Copper. Do not feed to cattle in close proximity to sheep or other species that have a low tolerance to supplemental copper.
3. Offer cattle one block for every 15 to 25 heads.
4. Remove all other self-limiting nutritional supplements while the cattle are consuming this product.
5. Locate product where cattle congregate (watering, loafing, shade areas).
6. Replenish product on a regular basis as needed.
7. If intake is below 22.68 g per 45.36 kg cattle body weight per day, reduce the number of feeding locations and/or change location(s) to areas less frequented by cattle.

8. Introduction of this product after horn fly infestation is established will require treatment of cattle with adulticides if elimination of the adult fly population is desired.

## FEATURES & BENEFITS:

### **Active ingredient – (S)-Methoprene (0.01%).**

*An insect growth regulator that prevents the emergence of adult horn flies from the manure of treated cattle.*

**100% organic trace minerals.** Easily absorbed, readily metabolized to optimize animal performance; contribute to reproductive performance and support the body's defense system.

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***This feed contains added Selenium at 13.2 mg/kg.***

## GUARANTEED ANALYSIS

Crude Fat (minimum) .....	3.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	6.9%
Phosphorus (actual) .....	6.0%
Magnesium (actual).....	3.5%
Potassium .....	1.5%
Iodine (actual) .....	90 mg/kg
Copper (actual).....	675 mg/kg
Manganese (minimum) .....	945 mg/kg
Zinc (minimum) .....	1,980 mg/kg
Cobalt (minimum) .....	36 mg/kg
Vitamin A (minimum) .....	440,900 IU/kg
Vitamin D <sub>3</sub> (minimum).....	44,000 IU/kg
Vitamin E (minimum) .....	440 IU/kg

**Net Weight 100 kg  
Product #: 810331**

Formulated with  
Solutions from **Altech®**

**Masterfeeds®** Beef Nutrition  
an Altech® company





**Masterfeeds**  
an **Alltech** company

*For  
farming  
life.*



**Masterlyx**<sup>™</sup>  
Supplement

# ALL-PURPOSE BLOCK

SUPPLEMENT FOR BEEF & DAIRY CATTLE, HORSES, SHEEP & GOATS

Masterlyx<sup>™</sup> All-Purpose Block is a free-choice low moisture molasses block providing protein, energy, minerals and vitamins. Masterlyx<sup>™</sup> aids in efficient utilization of forages fed to cattle, primarily low quality forages. Nutrients from Masterlyx<sup>™</sup> are provided frequently in small amounts daily. This consistent consumption aides effective nutrition and overall supplementation. With Masterlyx<sup>™</sup> no waste of supplement occurs which helps keep cost of supplementation under control.

FOR MORE INFORMATION, PLEASE CONTACT  
YOUR LOCAL MASTERFEEDS DEALER OR ACCOUNT MANAGER.



# ALL-PURPOSE BLOCK SUPPLEMENT

FOR BEEF & DAIRY CATTLE,  
HORSES, SHEEP & GOATS

## FEEDING DIRECTIONS:

Masterlyx™ All-Purpose Block Supplement is designed for self-feeding to grazing beef and dairy cattle, horses, sheep and goats.

Feed at the rate of one (1) container for every 20 to 30 head. A minimum of two (2) containers may be required in each lot or pasture to ensure proper accessibility. Free-choice consumption will depend on size of the animals fed, seasonal weather conditions, as well as quality, source and availability of other feeds. Beef cattle and horses typically consume between 225 and 680 grams per-head, per-day. Sheep and goats typically consume between 50 and 150 grams per head, per day.

All consumption figures stated here are approximate. Provide free access to clean, fresh water at all times. Masterlyx™ All-Purpose Block Supplement contains no salt. Provide salt in the ration or offer free-choice.

## FEATURES & BENEFITS:

### **Convenient and practical applications.**

*Packaged in 27, 56 and 90 kg plastic containers.*

### **Versatile.**

*Can be used in pasture, dry-lot, or confinement feeding situations.*

### **Several formulations available.**

*Each targets complete supplementation, mineral supplementation or starting weaned or feedlot cattle.*

### **Dairy applications.**

*Include supplementation of dry, fresh and lactating cows; can help promote dry matter intake and more consistent feed intakes during periods of stress, thus helping overcome common metabolic disorders of dairy cattle.*

### **Time and labour savings realized.**

*Less labour to using hand-fed supplements; less equipment needed compared to other supplement methods; supplement is made available to cattle at all times; convenient, non-returnable, hassle-free container.*

## GUARANTEED ANALYSIS

Crude Protein (minimum).....	18.0%
Crude Fat (minimum) .....	3.0%
Crude Fiber (maximum).....	3.0%
Calcium (actual).....	1.4%
Phosphorus (actual) .....	1.0%
Sodium (actual) .....	1.2%
Potassium (actual) .....	3.0%
Iodine (actual) .....	10 mg/kg
Copper (actual).....	18 mg/kg
Copper (added) .....	0 mg/kg
Manganese (actual).....	800 mg/kg
Zinc (actual) .....	800 mg/kg
Cobalt (actual) .....	2 mg/kg
Fluorine (maximum) .....	200 mg/kg
Vitamin A, minimum .....	200,000 IU/kg
Vitamin D (minimum) .....	20,000 IU/kg
Vitamin E (minimum) .....	200 IU/kg

Net Weight 27 kg | 56 kg | 90 kg  
Product #: 810627 | 810626 | 811038