



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

## **BEEF CONTENTS**

### **MINERALS**

*Blueprint® Summer Beef Premix*

*Blueprint® Winter Beef Premix*

*Blueprint® Breeder Beef Premix*

### **BEEF SHOW FEEDS**

*ShowStopper Cruiser*

*Show Cattle Ration (Texturized)*

*ShowStopper Accelerator*

*Show Cattle Ration (Texturized)*

*ShowStopper Full Throttle*

*Show Cattle Ration (Texturized)*

*ShowStopper High Fibre*

*Show Cattle Ration (Texturized)*

*ShowStopper Nurtibase 3.0*

*Show Cattle Supplement (Pellet)*

*Full Expression*

*Beef Supplement (Pellet)*

### **BEEF SUPPLEMENTS**

*32% NU Beef Supplement (Pellet)*

*40% 28U Beef Supplement (Pellet)*

*Future Lean 38-13*

*Veal Grower Supplement (Pellet)*

*V-Vintage 32% NU Beef Supplement (Pellet)*

*V-Vintage 31% 17U Beef Supplement (Pellet)*

*V-Vintage 40% 22U Beef Supplement (Pellet)*

### **CREEP RATION**

*Excelerator 16% Creep Feed*

*Medicated Beef Calf Ration (Pellet)*

*Rough-N-Ready 16% Medicated*

*Beef Calf Ration (Pellet)*

*BosBuilder 16% Creep Feed (Pellet)*

*Catapult Creep Feed (Pellet)*

*Continued...*

**BEEF COMPLETE RATION**

*Bull Plex Ration (Pellet)*

*Beef Developer Ration (Pellet)*

*V-Vintage 13% Beef (Pellet)*

*V-Vintage 13% Plus Beef (Pellet)*

*V-Vintage 15% Beef (Pellet)*

*Ignitor 3 Beef 16.5%*

*Medicated Receiving Ration (Pellet)*

**CRYSTALYX® RESOURCES**

*Crystalyx® Suggested Monthly Beef Usage Chart*

*Crystalyx® Canadian Supplement Guide*

**LOW MOISTURE BLOCKS**

*Crystalyx® Blueprint® 20 AN*

*Crystalyx® Blueprint® 30*

*Crystalyx® Beef-lyx®*

*Crystalyx® Mineral-lyx®*

*Crystalyx® Crystal-Phos® Mineral Supplement*

*Crystalyx® VP™-30*

*Crystalyx® VP™-40*

*Crystalyx® HE-12% 1% MAG™*

*Crystalyx® HE-20%™*

*Crystalyx® Brigade® Stress Fighting Formula*

*Crystalyx® Breed-Up™ 12% Fat*

*Crystalyx® Breed-Up™ 20*

*Crystalyx® Breed Up™ 28*

*Masterlyx™ 18% All-Purpose Block*

Total Replacement Technology®  
100% ORGANIC TRACE MINERALS

100%  
organic  
trace  
minerals



# Blueprint SUMMER BEEF PREMIX (GFC)

FORMULATED TO MEET THE NEEDS OF  
BEEF CATTLE IN EARLY GESTATION ON  
SUMMER PASTURE

SEASONAL  
BEEF PROGRAM  
**STAGE 1**

Blueprint® Summer Beef 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 to naturally repel flies and insects.

## FEEDING & MANAGEMENT NOTES:

Stage 1 of the Seasonal Beef Program.

### Early-Gestation:

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

Contact your Masterfeeds Account Manager for specific feeding directions.

## FEATURES & BENEFITS:

### **Contains 100% organic trace minerals.**

*For increased bio-availability of those nutrients essential for immune response, hoof health, bone and cartilage development.*

### **Highly Palatable.**

*Promotes increased intake.*

### **Contains anti-caking agents.**

*Prevents weather damage and feed waste.*

### **Contains salt.**

*Regulates intake*

### **Enhanced level of Iodine.**

*Increases metabolic rate and accelerates growth.*

### **Additional formula available infused with garlic.**

*Naturally repels flies and insects.*

*This feed contains added Selenium at 30.0 mg/kg.*

## GUARANTEED ANALYSIS

Calcium (actual).....	12.5%
Phosphorus (actual) .....	4.0%
Magnesium (actual).....	2.0%
Sulfur (actual) .....	0.4%
Sodium (actual) .....	7.9%
Potassium (actual) .....	0.3%
Iodine (actual) .....	500 mg/kg
Iron (actual) .....	1,350 mg/kg
Copper (actual).....	755 mg/kg
Manganese (actual).....	1,440 mg/kg
Zinc (actual) .....	2,245mg/kg
Cobalt (actual) .....	80 mg/kg
Fluorine (maximum) .....	300 mg/kg
Vitamin A (minimum) .....	300,000 IU/kg
Vitamin D (minimum) .....	50,000 IU/kg
Vitamin E (minimum) .....	1,000 IU/kg

**Net Weight 25 kg**  
**Product #: PLAIN – 807871 / GARLIC – 807873**

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Total Replacement Technology®  
100% ORGANIC TRACE MINERALS

100%  
organic  
trace  
minerals



# Blueprint WINTER BEEF PREMIX

FORMULATED TO MEET THE NEEDS OF  
BEEF CATTLE IN MID-GESTATION ON  
STOCKPILED FORAGE



SEASONAL  
BEEF PROGRAM  
STAGE 2

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 in late gestation and includes organic trace minerals to support absorption, retention, and utilization.

## FEEDING & MANAGEMENT NOTES:

Stage 2 of the Seasonal Beef Program.

### Mid-Gestation:

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

Contact your Masterfeeds Account Manager for specific feeding directions.

## FEATURES & BENEFITS:

### **Contains 100% organic trace minerals.**

*For increased bio-availability of those nutrients essential for immune response, hoof health, bone and cartilage development.*

### **Highly Palatable.**

*Promotes increased intake.*

### **Contains salt.**

*Regulates intake*

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

*For growth, reproduction and overall health.*

*This feed contains added Selenium at 30.0 mg/kg.*

## GUARANTEED ANALYSIS

Calcium (actual).....	17.7%
Phosphorus (actual) .....	6.0%
Magnesium (actual).....	2.0%
Sulfur (actual).....	0.5%
Sodium (actual) .....	6.0%
Potassium (actual) .....	0.2%
Iodine (actual) .....	240 mg/kg
Iron (actual) .....	2,100 mg/kg
Copper (actual).....	755 mg/kg
Manganese (actual).....	1,170 mg/kg
Zinc (actual) .....	2,250mg/kg
Cobalt (actual) .....	80 mg/kg
Fluorine (maximum).....	500 mg/kg
Vitamin A (minimum) .....	500,000 IU/kg
Vitamin D (minimum) .....	100,000 IU/kg
Vitamin E (minimum) .....	2,000 IU/kg

**Net Weight 25 kg**  
**Product #: 807869**

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Total Replacement Technology®  
100% ORGANIC TRACE MINERALS

100%  
organic  
trace  
minerals



# Blueprint BREEDER BEEF PREMIX

FORMULATED TO PREPARE CATTLE  
FOR CALVING AND BREEDING

SEASONAL  
BEEF PROGRAM  
**STAGE 3**

Blueprint® Breeder Beef 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.

## FEEDING & MANAGEMENT NOTES:

Stage 3 of the Seasonal Beef Program.

### 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 per head per day.
- Provide adequate clean fresh water.

Contact your Masterfeeds Account Manager for specific feeding directions.

## FEATURES & BENEFITS:

### **Contains 100% organic trace minerals.**

*For increased bio-availability of those nutrients essential for immune response, hoof health, bone and cartilage development.*

### **Highly Palatable.**

*Promotes increased intake.*

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

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

*For growth, reproduction and overall health.*

*This feed contains added Selenium at 30.0 mg/kg.*

## GUARANTEED ANALYSIS

Calcium (actual).....	15.5%
Phosphorus (actual) .....	8.0%
Magnesium (actual).....	3.7%
Sulfur (actual) .....	0.6%
Sodium (actual) .....	7.9%
Potassium (actual) .....	0.2%
Iodine (actual) .....	100 mg/kg
Iron (actual) .....	2,560 mg/kg
Copper (actual).....	755 mg/kg
Manganese (actual).....	1,130 mg/kg
Zinc (actual) .....	2,260mg/kg
Cobalt (actual) .....	80 mg/kg
Fluorine (maximum) .....	600 mg/kg
Vitamin A (minimum) .....	700,000 IU/kg
Vitamin D (minimum) .....	140,000 IU/kg
Vitamin E (minimum) .....	3,000 IU/kg

**Net Weight 25 kg**  
**Product #: 807870**

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1  
START

## *ShowStopper™* **CRUISER**

*Ideal feed for starting recently weaned  
purebred or other show calves.*

Get your show calves  
off to the right start.

*ShowStopper Cruiser is a high-fibre, complete  
growing feed formulated to achieve frame and  
muscle growth while maintaining “bloom”. Cruiser  
can also be used to maintain “bloom” of cattle once  
they achieve the desired level of finish.*

**FEEDING: START AT 1 KG/HEAD/DAY  
AND GRADUALLY STEP UP TO 2.5% BODY WEIGHT  
INTAKE (ON DRY MATTER BASIS).**

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# CRUISER

## BEEF FEED (TEXTURIZED)

FOR STARTING RECENTLY  
WEANED 4-H, PUREBRED OR  
OTHER SHOW CALVES

Masterfeeds ShowStopper Cruiser Beef Feed is a premium all natural 13% crude protein, texturized ration that contains a blend of grains and corn. Cruiser contains minerals that are highly available to the animal and ingredients to boost intake and minimize digestive upset.

### WHO USES:

Masterfeeds ShowStopper Cruiser Beef Feed is specifically intended for starting recently weaned 4-H, purebred or other show calves on feed.

Cruiser is a high fibre, complete growing feed formulated to achieve frame and muscle growth while maintaining "bloom". Cruiser can also be used to maintain "bloom" of cattle once they achieve the desired level of finish.

### FEEDING DIRECTIONS:

Feed this ration to beef cattle at 1% 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:

**13% 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.

**Formulated with oats, corn, barley and wheat.** Highly palatable and digestible source of energy. Supports safe, rapid recovery of energy balance. Reduces risk of bloat.

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

**Natural and artificial flavours.** 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).....	3.0%
Crude Fibre (maximum).....	16.0%
Calcium (actual).....	1.2%
Phosphorus (actual) .....	0.34%
Sodium (actual) .....	0.35%
Vitamin A (minimum) .....	10,000 IU/kg
Vitamin D (minimum) .....	1,650 IU/kg
Vitamin E (minimum) .....	20.75 IU/kg

Net Weight 20 kg  
Product #: 502303





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2  
GROW

## *ShowStopper™* **ACCELERATOR**

*Promotes frame growth, body,  
bloom and a smooth finish.*

A good grower becomes  
a great shower.

*ShowStopper Accelerator beef ration is the next step in the ShowStopper line of feeds. It is intended for growing purebred or other show calves prior to being placed on a final, high energy ration. Once the calves have grown to the desired weight, they can be transitioned to ShowStopper Full Throttle.*

**FEEDING: INITIALLY FEED AT THE SAME RATE AS CRUISER TO ACCLIMATE CATTLE TO THE NEW RATION. GRADUALLY STEP UP ACCELERATOR INCLUSION TO  $\frac{2}{3}$  TOTAL DRY MATTER INTAKE WITH THE OTHER  $\frac{1}{3}$  BEING FORAGE.**

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# ACCELERATOR

## BEEF FEED (TEXTURIZED)

FOR GROWING PUREBRED  
OR OTHER SHOW CALVES

Masterfeeds ShowStopper Accelerator Beef Feed is a high quality, 13% crude protein texturized 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 Beef Feed 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 Masterfeeds ShowStopper Cruiser Beef Feed Ration. Once the calves have grown to their desired size, they can be converted to Masterfeeds ShowStopper Full Throttle Beef Feed Ration, or Masterfeeds ShowStopper High Fibre Ration.

### FEEDING DIRECTIONS:

Feed this ration to beef cattle at 1% 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:

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

**Rolled barley, oats and corn, 6% digestible fibre as wheat.** Highly palatable and digestible source of energy. Reduced 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) .....	10.0%
Calcium (actual).....	1.25%
Phosphorus (actual) .....	0.44%
Sodium (actual) .....	0.35%
Vitamin A (minimum) .....	10,000 IU/kg
Vitamin D (minimum) .....	1,650 IU/kg
Vitamin E (minimum) .....	20.75 IU/kg

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





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## *ShowStopper™* **FULL THROTTLE**

*Finishing Feed for 4-H, purebred and  
other show calves for the final  
100 days leading up to the show.*

### Finish it off with a win!

*ShowStopper Full Throttle is a high-energy, complete  
feed formulated to maximize animal performance  
and provide "bloom" and smooth finish.*

**FEEDING: INITIALLY FEED AT THE SAME RATE AS  
ACCELERATOR TO ACCLIMATE CATTLE TO THE NEW  
RATION. GRADUALLY STEP UP FULL THROTTLE  
INCLUSION TO 84% RATION DRY MATTER INTAKE  
WITH THE OTHER 16% BEING FORAGE.**

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# FULL THROTTLE

## BEEF FEED (TEXTURIZED)

FOR FEEDING TO SHOW  
CALVES DURING THE FINAL  
100 DAYS PRE SHOW

ShowStopper Full Throttle is a high-energy 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 Cruiser or Masterfeeds ShowStopper High Fibre.

### FEEDING DIRECTIONS:

Feed this ration to beef cattle at 1% 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:

**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 a 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.***

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	12.0%
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	8.0%
Calcium (actual).....	1.27%
Phosphorus (actual) .....	0.41%
Sodium (actual) .....	0.36%
Vitamin A (minimum) .....	10,000 IU/kg
Vitamin D (minimum) .....	1,650 IU/kg
Vitamin E (minimum) .....	20.75 IU/kg

**Net Weight 20 kg**  
**Product #: 501403**



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3  
SHOW

## *ShowStopper™* **HIGH FIBRE**

*A high fibre feed for ideal  
show ring condition.*

**Show ring condition for  
all classes of beef cattle.**

*ShowStopper High Fibre Beef Feed is intended for  
all classes of show cattle leading up to the big day.  
It is designed to give cattle ideal show ring condition  
while maintaining freshness and adding  
rib shape and body volume.*

**FEEDING: START AT 1 KG/HEAD/DAY  
AND GRADUALLY STEP UP TO 2.5% BODY WEIGHT  
INTAKE (ON DRY MATTER BASIS).**

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# HIGH FIBRE

## BEEF FEED (TEXTURIZED)

FOR IDEAL SHOW  
RING CONDITION

Masterfeeds ShowStopper High Fibre Beef Feed is a high quality, high fibre, texturized show feed that contains barley, beet pulp and cotton seed hulls.

### WHO USES:

Masterfeeds ShowStopper High Fibre Beef Feed 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 1% 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).....	1.21%
Phosphorus (actual) .....	0.29%
Sodium (actual) .....	0.37%
Vitamin A (minimum) .....	10,000 IU/kg
Vitamin D (minimum) .....	1,650 IU/kg
Vitamin E (minimum) .....	20.75 IU/kg

**Net Weight 20 kg**  
**Product #: 501404**





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SUPPLEMENT

## *ShowStopper™* NUTRIBASE 3.0

*Base supplement to be used as the  
foundation of your show program.*

Every show program  
needs a solid foundation.

*ShowStopper Nutribase 3.0 is a pelleted base  
concentrated supplement designed to be fed along  
with corn, grains and fibre sources to create a  
customized show ration. It provides the optimum in  
trace mineral nutrition by using Total Replacement  
Technology (TRT), which are the highly available  
(Bioplex®) all organic trace minerals.*

FEEDING: DESIGNED TO BE FED AT 3 KG /H/D

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# NUTRIBASE 3.0

## BEEF SUPPLEMENT (PELLET)

TO BE USED AS THE  
FOUNDATION FOR YOUR  
SHOW PROGRAM

Masterfeeds ShowStopper Nutribase 3.0 Supplement (pellet) is a premium base supplement. It contains a blend of high-quality protein and fibre sources to complement the corn, grain and fibre sources you all ready have. It provides the optimum in trace mineral nutrition by using Bioplex® and Sel-Plex® trace minerals. It also contains Yea-Sacc® to keep the rumen functioning well during periods of stress.

### WHO USES:

Masterfeeds ShowStopper Nutribase 3.0 Supplement is intended to be used as a base supplement for your show program. It is designed to be fed along with corn, grain and fibre sources to create a one-of-a-kind show program. It contains a blend of high-quality protein and fibre sources, and is designed to help animals deal with the stress associated with showing – by using technologies like Yea-Sacc to keep the rumen functioning at its optimum, and Bioplex and Sel-Plex minerals to keep the animals immune system operating at its peak.

### FEEDING DIRECTIONS:

Feed this supplement along with grain and forage so as to provide 3.0 kg of supplement per head per day.

**Sample Formula:** Mix 300 kg of this product with 340 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. Consult your Masterfeeds Account Manager for further information.

### FEATURES & BENEFITS:

**Contains Yea-Sacc.** Increases feed intake, average daily gain and fibre digestibility.

**Chelated Trace Minerals, including Selenium.** Higher absorption and bioavailability.

**25% protein.** Can be fed along with corn and grains as part of a well balanced show feed program.

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	25.0%
Crude Fat (minimum) .....	1.8%
Crude Fibre (maximum).....	6.0%
Calcium (actual).....	4.1%
Phosphorus (actual) .....	0.8%
Sodium (actual) .....	1.09%
Vitamin A (minimum) .....	30,500 IU/kg
Vitamin D (minimum) .....	3,960 IU/kg
Vitamin E (minimum) .....	70 IU/kg

**Net Weight 20 kg**  
**Product #: 501450**





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# FULL EXPRESSION

## BEEF SHOW SUPPLEMENT (PELLET)

### MAXIMIZE GUT FILL IN SHOW CATTLE

*Masterfeeds Full Expression is a palatable feed, containing high levels of quality fibre to maximize gut fill – providing increased shape – ensuring your show cattle look their best on the big day.*

*Full Expression promotes the following:*

- > An expanded look
- > Cattle look “fresh” and ready for show
- > Stabilized rumen function during times of stress

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# FULL EXPRESSION

## BEEF SHOW SUPPLEMENT (PELLET)

FOR MAXIMIZING  
GUT FILL IN  
SHOW CATTLE

Masterfeeds Full Expression Beef Show Supplement (pellet) is formulated with high quality fibre sources to maximize gut fill. Intended to be fed at a rate of one to three pounds per head per day it will expand three times its size when combined with a similar amount of water. Also contains Yea-Sacc® to help stabilize the rumen in times of stress.

### WHO USES:

Producers who wish to feed a premium show cattle supplement. Purebred breeders fitting cattle for sale and 4-H groups would benefit from the use of this supplement.

### DIRECTIONS FOR USE:

Mix with grain and feed so as to provide 0.5 kg to 1.5 kg of supplement per head per day.

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.

**Net Weight 25 kg**  
**Product #: 500305**

### FEATURES & BENEFITS:

**Contains 31% crude fibre from a variety of high quality sources.** Formulated to expand three times its size when combined with a similar amount of water.

**Contains added flavour.** Enhances intake.

**Contains Yea-Sacc®.** Helps to stabilize rumen, particularly during periods of stress such as when cattle are being transported to shows.

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	9.0%
Crude Fat (minimum) .....	2.5%
Crude Fibre (maximum).....	31.0%
Calcium (actual).....	1.0%
Phosphorus (actual) .....	0.1%
Sodium (actual) .....	0.18%
Vitamin A (minimum) .....	5,000 IU/kg
Vitamin D (minimum) .....	900 IU/kg
Vitamin E (minimum) .....	16 IU/kg



*When combined with a similar amount of water, Masterfeeds Full Express Beef Show Supplement expands to three times its size, providing your show cattle with increased shape for the big day!*

# 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

# V-VINTAGE 32% NU BEEF SUPPLEMENT (PELLET)

## FOR YOUNG CATTLE

Masterfeeds V-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

# V-VINTAGE 31% 17U BEEF SUPPLEMENT (PELLETS)

FOR GROWING  
BEEF CATTLE

BEEF SUPPLEMENT

Masterfeeds V-Vintage 31%-17U N Beef Supplement (pellet) are 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



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

## FOR GROWING BEEF CATTLE

### 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



# EXCELERATOR 16% CREEP FEED

## ALL-NATURAL PROTEIN RATION FOR BEEF CALVES

*Masterfeeds Excelerator Creep Feed is a complete, 16% all-natural protein ration. It is a high energy pellet, fortified with the required vitamins and minerals necessary for maximum growth. Excelerator enhances forage utilization by providing energy in the form of highly digestible fibre.*

*Having Excelerator Creep Feed available before the calf reaches 30 days of age means calves are able to fulfill their nutrient requirements without having to rely on grass and milk alone. Excelerator eliminates the overeating of grains, bloating, scour concerns and other metabolic disorders.*

*Excelerator promotes the following:*

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

# EXCELERATOR

## MEDICATED CREEP RATION (PELLET) FOR BEEF CALVES

Masterfeeds Excelerator Creep Feed is a complete, 16% all-natural protein ration. It is a high energy pellet, fortified with the required vitamins and minerals necessary for maximum growth. Excelerator enhances forage utilization by providing energy in the form of highly digestible fibre.

### 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.

**Better overall appearance.** Calves look more muscled, and uniform when nutritional requirements are met.

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

**Disease prevention.** Medicated to reduce the risk of coccidiosis and other disease risks.

**Total Replacement Technology (TRT).** This mineral technology uses organic trace minerals to support mineral retention and build tissue reserves, helping calves transition from nursing through the weaning process. Using TRT encourages optimal overall health, immune status, and reproductive function in the animal.



### FEEDING DIRECTIONS:

Feed Excelerator Medicated 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. Excelerator 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 and place it in a convenient cow-calf loafing area.
- Start feeding Masterfeeds Excelerator Creep Feed before calves reach 30 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.

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

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	16.0%
Crude Fat (minimum) .....	4.0%
Crude Fiber (maximum).....	15.0%
Calcium (actual).....	1.1%
Phosphorus (actual) .....	0.8%
Sodium (actual) .....	0.45%
Vitamin A (minimum) .....	12,000 IU/kg
Vitamin D (minimum) .....	2,000 IU/kg
Vitamin E (minimum) .....	48 IU/kg

**Net Weight 25 kg**

**Product #: PLAIN – 500793**

**MEDICATED – 500783**





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Beef Nutrition

*Rough 'N' Ready*

# ROUGH 'N' READY 16% BEEF CALF RATION

PREMIUM, ALL-NATURAL PROTEIN CREEP FEED

*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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# 16% MEDICATED BEEF CALF RATION (PELLET)

FOR NEW  
BEEF CALVES

Masterfeeds Rough 'n' Ready 16% 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) .....	2.6%
Crude Fiber (maximum).....	20.0%
Calcium (actual).....	1.6%
Phosphorus (actual) .....	0.5%
Sodium (actual) .....	0.4%
Vitamin A (minimum) .....	11,000 IU/kg
Vitamin D (minimum) .....	1,300 IU/kg
Vitamin E (minimum) .....	40 IU/kg

**Net Weight 25 kg**

**Product #: PLAIN – 500399**

**MEDICATED – 500398**





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# BOSBUILDER™ 16% CREEP FEED

HIGH FIBRE, HIGH PROTEIN CREEP FEED

*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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# BOSBUILDER™ 16%

## CREEP BEEF RATION (PELLET)

## 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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Beef Nutrition

# CATAPULT 16% CREEP FEED

HIGH FIBRE, HIGH PROTEIN CREEP FEED

*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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ALL YOU DO.™

# CATAPULT 16%

## CREEP FEED (PELLET)

## 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 to get bulls ready for breeding season. Trace minerals are an important part of the reproductive system. Bull Plex Ration uses 100% chelated trace minerals due to their high availability to the animal. It also includes Sel-Plex® – a Selenium that is more available to the animal as well. Available both with and without urea, and both medicated and non-medicated with Monensin.

### FEEDING DIRECTIONS:

Feed as to provide 10 kg of this product per head per day along with good quality forages. Follow an on-farm feeding program provided by for 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 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.

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	14.4%
Crude Fat (minimum) .....	3.4%
Crude Fiber (maximum).....	16.0%
Calcium (actual).....	1.1%
Phosphorus (actual) .....	0.6%
Sodium (actual) .....	0.29%
Vitamin A (minimum) .....	4,000 IU/kg
Vitamin D (minimum) .....	800 IU/kg
Vitamin E (minimum) .....	61 IU/kg

FORMULATED  
WITH ALLTECH®  
TECHNOLOGY

**Net Weight 25 kg**

**Product #: NO UREA PLAIN – 502190**

**NO UREA MEDICATED – 502181**

**WITH UREA MEDICATED – 502191**



# BEEF DEVELOPER

## RATION (PELLET)

FOR HEIFERS & COWS PREPARING  
FOR BREEDING SEASON

Masterfeeds Beef Developer Ration is a premium feed to get heifers and cows ready for breeding season. Trace minerals are an important part of the reproductive system. 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.

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	14.0%
Crude Fat (minimum) .....	3.6%
Crude Fiber (maximum).....	16.0%
Calcium (actual).....	1.1%
Phosphorus (actual) .....	0.7%
Sodium (actual) .....	0.11%
Vitamin A (minimum) .....	9,000 IU/kg
Vitamin D (minimum) .....	1,500 IU/kg
Vitamin E (minimum) .....	59 IU/kg

FORMULATED  
WITH ALLTECH®  
TECHNOLOGY

Net Weight 25 kg  
Product #: 502206

# V-VINTAGE 13% BEEF RATION (PELLET) FOR GROWING CATTLE

Masterfeeds V-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.

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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).....	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

Net Weight 25 kg  
Product #: 502001

# V-VINTAGE 13% PLUS BEEF (PELLET)

## FOR GROWING CATTLE

Masterfeeds V-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



V-VINTAGE  
**15%**  
BEEF (PELLET)

FOR GROWING CATTLE

Masterfeeds V-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

# IGNITOR 3 BEEF 16.5% MEDICATED RECEIVING RATION (PELLET)

## FOR CATTLE ENTERING THE FEEDLOT

Masterfeeds Ignitor 3 Beef 16.5% Medicated Receiving Ration (pellet) with Deccox® is designed for cattle just entering the feedlot. These pellets are palatable and nutritious to encourage intake. It also helps animals fight off illness associated with shipping.

### FEEDING DIRECTIONS:

Feed 0.833 kg for each 100 kg bodyweight. Feed continuously for at least 28 days during periods of Coccidiosis or when it is likely to be a hazard. Follow an on-farm feeding program provided by your Masterfeeds Account Manager.

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

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	16.5%*
Crude Fat (minimum) .....	3.4%
Crude Fibre (maximum).....	18.0%
Calcium (actual).....	1.4%
Phosphorus (actual) .....	0.6%
Sodium (actual) .....	0.25%
Vitamin A (minimum) .....	21,000 IU/kg
Vitamin D (minimum) .....	3,400 IU/kg
Vitamin E (minimum) .....	135 IU/kg

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

Net Weight 25 kg  
Product #: 507789

## CRYSTALYX SUGGESTED MONTHLY BEEF USAGE CHART

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

PRODUCT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
VP-30™ VP-40™	Protein*								30% protein and mineral LMB for lower quality forages.			
Mineral-Lyx™			Complete 8oz mineral package for pasture.									
Crystal-Phos				Chelated OTM in a 4oz mineral package.								
Breed-Up™ 20 Breed-Up™ 28		30 days pre-calving to breeding season.										
Beeflyx® HE-12% 1% MAG™					12% protein general purpose block and mineral package.							
Brigade®	Stress block at weaning and shipping: chelated OTM, electrolytes, Selenium, and high vitamin formula.											

*\*If feeding low quality hay or corn stocks, provide more protein and phosphorous.*

*Some products available in the Crystalux BioBarrel™ Single Trip Container™. All products are subject to availability.  
Contact your Masterfeeds Account Manager for a complete listing of products in the Crystalux line up.*

# CONVENIENT, CONSISTENT & COST EFFECTIVE NUTRITION.

Crystalx brand low moisture blocks meet the specific dietary needs of livestock in a variety of situations.



**masterfeeds**  
an **Altech** company



## Crystalx Brand Canadian Supplements Guide

PRODUCT NAME	CRUDE PROTEIN (min)	NPN (max)	CRUDE FAT (min)	CRUDE FIBRE (max)	Ca %	P %	Mg %	S %	NaCl %	Na %	K %	I mg/kg	Fe mg/kg	Cu mg/kg	Mn mg/kg	Se mg/kg	Co mg/kg	Zn mg/kg	F mg/kg	Vit A (min) IU/kg	Vit D <sub>3</sub> (min) IU/kg	Vit E (min) IU/kg	Vit B <sub>12</sub> (min) IU/kg	Thiamine (min) mg/kg	Biotin (min) mcg/kg	PRODUCT ADDITIVES	
PROTEIN SUPPLEMENTS																											
Blueprint® 20 AN	20.0%	–	4.0%	3.0%	1.0%	1.0%	1.0%	–	–	–	2.0%	30	–	225	315	6.0	24	660	–	176,300	17,630	220	–	–	–	–	✓
Blueprint® 30	30.0%	–	4.0%	3.0%	2.0%	2.0%	1.0%	–	–	–	2.0%	30	–	225	315	6.0	24	660	–	176,000	17,600	220	–	–	–	–	✓
HE-12™ 1% MAG	12.0%	–	5.0%	2.5%	1.3%	0.8%	1.0%	–	–	1.1%	3.0%	12.5	600	250	1,000	6.0	2.5	750	100	154,000	15,400	220	–	–	–	–	–
HE-20™	20.0%	10.0%	3.0%	3.0%	1.3%	0.8%	0.3%	–	–	1.1%	2.0%	12.5	–	250	1,000	6.0	2.5	750	100	154,000	15,400	176	–	–	–	–	–
VP-20™	20.0%	–	3.0%	3.0%	1.1%	1.0%	1.0%	–	–	1.2%	2.0%	17	–	330	1,330	6.0	3.3	1,000	50	176,000	17,600	220	–	–	–	–	–
VP-30™	30.0%	15.0%	4.0%	3.0%	2.0%	2.0%	1.0%	–	–	1.6%	2.0%	17	–	330	1,330	6.0	3.3	1,000	140	147,000	17,600	220	–	–	–	–	–
VP-40™	40.0%	21.0%	4.0%	3.0%	1.1%	1.0%	1.0%	–	–	1.6%	1.7%	17	–	330	1,330	6.0	3.3	1,000	140	147,000	17,600	220	–	–	–	–	–
MINERAL SUPPLEMENTS																											
Crystal-Phos®	–	–	–	–	7.5%	8.0%	2.5%	–	–	–	–	50	–	1,000	4,000	13.2	10.0	3,000	650	440,000	44,000	440	–	–	–	–	✓
Mineral-lyx™	–	–	3.0%	3.0%	4.0%	4.0%	3.0%	–	–	–	1.7%	25	–	500	2,000	6.0	5.0	1,500	350	220,000	22,000	220	–	–	–	–	–
BREED-UP™ SUPPLEMENTS																											
BREED-Up™ 12% FAT	12.0%	–	12.0%	5.0%	1.0%	1.0%	1.0%	–	1.5%	1.6%	1.7%	30	–	600	2,400	6.0	20.0	1,800	200	264,000	26,400	880	–	–	–	–	✓
BREED-Up™ 20	20.0%	–	4.0%	2.0%	1.0%	1.0%	1.0%	–	–	1.0%	–	30	–	600	2,400	6.0	20.0	1,800	70	264,000	26,400	880	–	–	–	–	–
BREED-Up™ 28	28.0%	14.0%	4.0%	2.0%	2.0%	2.0%	1.0%	–	–	1.0%	2.0%	30	–	600	2,400	6.0	20.0	1,800	140	264,000	26,400	880	–	–	–	–	✓
BREED-Up™ MAX	–	–	–	–	6.5%	6.0%	3.5%	–	–	–	–	100	–	2,000	8,000	13.2	65.0	6,000	500	660,000	66,000	2,200	–	–	–	–	✓
SPECIALTY SUPPLEMENTS																											
Beef-lyx®	12.0%	–	4.0%	2.5%	1.2%	0.8%	0.3%	–	0.0%	–	3.0%	12.5	–	250	1,000	4.4	2.5	750	–	220,000	44,000	220	–	–	–	–	–
Brigade®	14.0%	–	4.0%	2.0%	2.3%	2.0%	0.5%	–	1.5% – 2.0%	–	2.5%	25	–	500	2,000	6.0	5.0	1,500	–	176,000	35,200	1,760	–	–	–	–	✓
OTHER SPECIES SUPPLEMENTS																											
Sheep-lyx™	16.0%	–	4.0%	3.0%	1.7%	1.0%	1.0%	–	–	1.2%	2.0%	60	–	0 – 15	1,700	4.4	30.0	1,700	80	220,460	55,115	440	–	–	–	–	✓
Stable-lyx™	12.0%	–	5.0%	3.0%	1.5%	1.0%	1.0%	–	13.0%	5.2%	2.0%	6.6	–	250	880	0.73	5.0	880	100	66,000	11,000	550	–	66	22,000	–	✓
SWEET 14%™	14.0%	–	4.0%	3.0%	1.2%	1.0%	0.3%	–	–	1.2%	2.0%	–	–	0 – 17	140	4.4	–	300	100	110,000	11,000	–	–	–	–	–	–
DAIRY SUPPLEMENTS																											
Close-Up™ FORMULA	15.0%	10.0%	3.0%	2.0%	6.0%	1.0%	2.5%	6.0%	–	1.0%	–	50	–	625	2,500	–	40.0	2,500	70	440,000	88,000	3,080	–	–	–	–	✓
Dairy-lyx™	18.0%	6.0%	3.0%	2.0%	2.2%	–	2.5%	–	–	1.3%	2.0%	50	–	300	1,500	–	40.0	1,500	70	132,000	66,000	440	1,100	–	–	–	–
Dry Cow™ Formula	15.0%	10.0%	3.0%	2.0%	1.7%	1.0%	2.5%	–	–	1.2%	–	50	–	625	2,500	–	40.0	2,500	70	440,000	88,000	3,080	–	–	–	–	–
FRESH-LYX™	–	–	3.0%	2.0%	1.7%	–	2.5%	–	–	–	–	80	–	625	2,500	–	40.0	2,500	70	440,000	88,000	3,080	–	–	–	–	✓

All products are subject to availability. Contact your Masterfeeds Account Manager for a complete listing of the features and benefits of each product in the Crystalx line up.

✓ Contains chelated/organic trace minerals.





# BLUEPRINT® 20 AN

FOR SELF-FEEDING TO  
ALL CLASSES OF BEEF CATTLE

BEEF SUPPLEMENT BLOCK

Crystalyx Blueprint® 20 AN is designed to be fed to beef cattle on good to medium quality forages to help improve forage utilization. It is uniquely fortified with all highly bioavailable organic trace minerals and contains no inorganic trace mineral forms.

Blueprint is formulated with Alltech's total replacement technology (TRT) – organic trace minerals that support absorption, retention, and utilization in beef cattle. Alltech has demonstrated through nutrigenomics that modern management of mineral nutrition can take place at significantly lower inclusion levels, while helping support overall animal performance. This approach also corresponds with global environmental expectations of reduced mineral excretion.

## FEEDING DIRECTIONS:

Crystalyx Blueprint 20 AN 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.

**20% protein from all vegetable-based ingredients.** Helps cattle meet protein requirements.

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

## 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).....	20.0%
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	3.0%
Calcium (minimum) .....	1.0%
Phosphorus (minimum).....	1.0%
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) .....	176,300 IU/kg
Vitamin D <sub>3</sub> (minimum).....	17,630 IU/kg
Vitamin E (minimum) .....	220 IU/kg

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



# BLUEPRINT® 30

FOR SELF-FEEDING TO  
ALL CLASSES OF BEEF CATTLE

Crystalyx 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.

Blueprint is formulated with Alltech's Total Replacement Technology (TRT) – organic trace minerals that support absorption, retention, and utilization in beef cattle. Alltech has demonstrated through Nutrigenomics that modern management of mineral nutrition can take place at significantly lower inclusion levels, while helping support overall animal performance. This approach also corresponds with global environmental expectations of reduced mineral excretion.

## 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.

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

**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 18% 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.



# BEEF-LYX<sup>®</sup>

## FOR SELF-FEEDING RECEIVING CATTLE & FEEDLOT CATTLE

Crystalyx brand Beef-lyx is a unique, nutrient-dense supplement formulated to help improve health and stimulate appetites of incoming feedlot cattle. Beef-lyx supplies supplemental energy, vitamins, minerals, trace minerals and yeast culture in a very palatable form to help reduce stress in incoming feedlot cattle.

### FEEDING DIRECTIONS:

Crystalyx brand Beef-lyx is designed for self-feeding receiving cattle and feedlot cattle.

Place containers in areas that achieve desired supplement intake. Feed at the rate of one (1) container for every 20 to 30 head, with a minimum of two containers in each lot to ensure proper accessibility. Free-choice consumption will depend on the size and levels of stress of the animals fed, seasonal weather and pen conditions, as well as, quality source and availability of other feeds. Cattle typically consume between 125 to 450 grams per head, per day.

All consumption figures stated here are approximate. Provide free access to fresh, clean water at all times. Beef-lyx contains no added salt. Provide salt free-choice.

### FEATURES & BENEFITS:

**Stimulates appetite.** Beef-lyx helps stimulate appetites, increasing intake of essential nutrients for cattle under the stress of entering the feedlot.

**High energy.** Contains no non-nutritive binders or fillers; safe for cattle unaccustomed to high energy diets; cannot be bitten or chewed; incoming feedlot cattle can consume without digestive upset; stimulates intake of receiving rations resulting in increased energy; healthy animals consume more feed than sick animals.

**Highly palatable.** Beef-lyx is highly palatable with yeast culture and a high level of molasses solids. Palatable feeds are more likely to be consumed by sick animals or those unaccustomed to consuming from feed bunks.

**Yeast culture and B vitamins.** The yeast culture and B vitamins in Beef-lyx help stimulate appetite to maintain intake when cattle hesitate to consume receiving rations. Stressed calves often times have reduced rumen function from not eating or abrupt changes in the diet they are being fed. The yeast culture and B vitamins in Beef-lyx help the rumen microbes adjust to these changes and keep calves eating.

**Protein.** Plant proteins and highly palatable molasses solids provide the protein found in Beef-lyx. Beef-lyx delivers supplemental rumen-available protein to support rumen microbial populations. Beef-lyx is 12% crude protein and will not dilute in the protein content of the complete ration.

**Mineral & vitamin fortification.** Beef-lyx is specially formulated to help meet mineral and vitamin needs of incoming feedlot cattle to fight disease associated with the stresses of a new environment.

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

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### GUARANTEED ANALYSIS

Crude Protein (minimum).....	12.0%
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	3.0%
Calcium (actual).....	1.2%
Phosphorus (minimum).....	0.8%
Magnesium (minimum).....	1.0%
Potassium (minimum) .....	2.0%
Iodine (minimum).....	12.5 mg/kg
Copper (minimum).....	250 mg/kg
Manganese (minimum) .....	1,000 mg/kg
Cobalt (minimum) .....	2.5 mg/kg
Zinc (minimum) .....	750 mg/kg
Vitamin A (minimum) .....	220,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	44,000 IU/kg
Vitamin E (minimum) .....	440 IU/kg

**Net Weight 100 kg | 27.3kg**  
**Product #: 810215 | 810256**





# MINERAL-LYX<sup>®</sup>

FOR BEEF CATTLE &  
GROWING HEIFERS

Mineral-Lyx<sup>™</sup> 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.

## 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 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  
Product #: 810209 | 810258 | 810280



# CRYSTAL-PHOS<sup>®</sup> 8

## MINERAL SUPPLEMENT

FOR SELF-FEEDING TO  
GRAZING BEEF CATTLE

Crystalyx Crystal-Phos 8 Mineral Supplement is designed for self-feeding to grazing beef cattle. Use as a source of calcium, phosphorus, vitamins and trace minerals with average quality forages and when animal requirements are high such as calving, lactation, and breeding.

### FEATURES & BENEFITS:

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

**Provides uniform intake of unpalatable mineral/vitamin ingredients.** Dependable nutrient delivery in high alkaline/saline pastures.

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

**8% Phosphorus.** The right level of nutrients based on pasture quality and cow requirements.

**Ideally fortified.** Suited for early season, mid-summer and fall pastures when grass tetany is not a concern.

**Contains Bioplex<sup>®</sup>.** Organic trace minerals that provide mineral nutrition in a form as close to nature as possible.

**Contains Sel-Plex<sup>®</sup>.** Contains 50% of the Selenium guarantee from Sel-Plex<sup>®</sup>, a proprietary organic form of Selenium Yeast which is the most proven form of organic Selenium.



### 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 13.2 mg/kg.**

### GUARANTEED ANALYSIS

Calcium (actual).....	7.5%
Phosphorus (actual) .....	8.0%
Magnesium (actual)) .....	2.5%
Iodine (actual) .....	50 mg/kg
Copper (actual).....	1,000 mg/kg
Manganese (actual) .....	4,000 mg/kg
Cobalt (actual) .....	30 mg/kg
Zinc (actual).....	3,000 mg/kg
Fluorine (maximum) .....	650 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 #: 810228



# VP-30™

## FOR CATTLE ON PASTURE

Crystalyx 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.

FORMULATED  
WITH ALLTECH®  
TECHNOLOGY

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.

### 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.

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



# 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.

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**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.

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





# HE-12% 1% MAG™

FOR SELF-FEEDING TO  
GRAZING BEEF CATTLE

Crystalyx brand HE-12% 1% MAG 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% 1% MAG provides essential supplemental nutrients to livestock consuming moderate to high quality forages. The continuous nutrient availability of HE-12% 1% MAG 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% 1% MAG contains no salt. Provide salt free-choice.

## FEATURES & BENEFITS:

**High energy level.** HE-12% 1% MAG contains no non-nutritive fillers or binders and has almost no moisture (typically 2% to 5%). HE-12% 1% MAG 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% 1% MAG 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% 1% MAG 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% 1% MAG 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% 1% MAG. Animals consume HE-12% 1% MAG 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% 1% MAG Supplement.

**Plant proteins in HE-12% 1% MAG are combined with molasses solids and hydrolyzed vegetable oil.** Provides a properly balanced protein and energy supplement to complement moderate to high quality forages.

**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



# 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<sup>®</sup> STRESS FIGHTING FORMULA

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

Crystalyx brand Brigade Stress Fighting Formula is a high energy, free-choice supplement fortified with electrolytes, high levels of vitamins and minerals and Bioplex<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup>:** The BioBarrel<sup>®</sup> 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



A Canadian Tradition of  
Animal Nutrition SolutionsUne tradition Canadienne de  
solutions en Nutrition Animale**Masterfeeds**an **Altech** company**Masterfeeds**  
an Altech company

Beef Nutrition

**Crystalux**  
BRAND SUPPLEMENTS**BREED-UP™  
12% FAT****FREE-CHOICE BLOCK  
SUPPLEMENT FOR ALL  
CLASSES OF BEEF CATTLE**

*Nutrition plays a key roll in any breeding program. Intensive breeding programs often require significant investments in labor, management and facilities. Today more emphasis is placed on high reproductive performance which equals profitability.*

*Breed-UP 12% Fat is excellent for developing breeding animals, show animals and preparing bulls for breeding season with:*

- A high fat content, including flax seed – a source of Omega-3 fatty acid;
- Sel-Plex® for mineral retention and animal performance;
- Bio-Plex® for higher bioavailability.

**2015 RESULTS FROM A NORTH DAKOTA  
HEIFER DEVELOPMENT OPERATION.**

During the spring and summer of 2015, over 500 head were fed Breed-Up 12% Fat prebreeding and post breeding for 45 days. These heifers were heat synchronized and artificially bred, then turned onto spring pasture.

A.I. conception rates were normal but what was of greater value was breeding percentage by 'clean up' bulls. It greatly improved in the first cycle post breeding compared to a 20 year history. There were very few late bred heifers.

This suggests that the sudden change in diet from drylot to green pasture at the time of breeding could have been offset by supplement strategy, helping A.I. bred heifers retain more pregnancies and improve 'clean up breeding' as well.

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**FOR WHAT  
GOES INTO  
ALL YOU DO.™**





## BREED-UP™ 12% FAT

## FREE-CHOICE BLOCK SUPPLEMENT FOR ALL CLASSES OF BEEF CATTLE

Crystalyx Breed-Up 12% fat is the highest fat content of any Crystalyx products and contains flax seed. Flax is a good source of Omega fatty acids. Breed-Up 12% Fat is fortified with 200% NRC levels of trace minerals and vitamins. It is an excellent product for developing breeding animals, show animals and preparing bulls for breeding season. Additional energy supplied by Breed-Up 12% Fat may show benefits in spring calving programs when bred animals are first turned onto pasture.

### FEEDING DIRECTIONS:

Crystalyx Breed-Up 12% Fat supplement is designed for self-feeding to all classes of beef cattle in preparation for calving and the breeding season.

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. Beef cattle typically consume between 180 and 340 grams per head daily.

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

### FEATURES & BENEFITS:

**Contains BioPlex®.** Organic trace minerals that provide mineral nutrition in a form as close to nature as possible. BioPlex organic trace minerals offer higher bioavailability than inorganic minerals, are easily absorbed, and support mineral retention. Improved trace mineral status supports a number of functions in the body including metabolism, immune function, and reproductive performance.

**Contains Sel-Plex®.** Contains 100% of the Selenium guarantee from Sel-Plex, a proprietary organic form of Selenium Yeast which is the most proven form of organic Selenium. This means better absorption, storage and utilization for your cattle. Improved Selenium status supports reproductive health and antioxidant activity.

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TECHNOLOGY

**200% of NRC recommended levels of trace minerals including BioPlex®.** Supports mineral retention and offers a high bio-availability.

**High fat content.** The highest of any Crystalyx product, including flax seed; a source of Omega-3 fatty acid.

**Benefit to animals of all ages,** primarily breeding animals.

**Can help improve reproductive success** in intensive breeding programs.

**Excellent supplement for show cattle.** Combats the stress of travel and handling.

**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).....	12.0%
Crude Fat (minimum) .....	12.0%
Crude Fibre (maximum).....	5.0%
Calcium (actual).....	1.0%
Phosphorus (actual) .....	1.0%
Magnesium (minimum) .....	1.0%
Salt (actual).....	1.5%
Potassium (actual) .....	1.7%
Iodine (minimum).....	30 mg/kg
Copper (minimum) .....	600 mg/kg
Manganese (minimum) .....	2,400 mg/kg
Cobalt (minimum) .....	20 mg/kg
Zinc (minimum) .....	1,800 mg/kg
Fluorine (maximum).....	200 mg/kg
Vitamin A (minimum) .....	264,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	26,400 IU/kg
Vitamin E (minimum) .....	880 IU/kg

**Net Weight 100 kg  
Product #: 810181**

 **Masterfeeds** Beef Nutrition  
an Alltech company



# BREED-UP™ 20

## FREE-CHOICE BLOCK SUPPLEMENT FOR ALL CLASSES OF BEEF CATTLE

Crystalyx Breed-Up 20 is designed for self-feeding to all classes of beef cattle in preparation for calving and the breeding season.

### FEATURES & BENEFITS:

**Ideally fortified.** Suited for replacement heifers, cows, purebred herds, cows in embryo transplant programs, estrus sync programs and bulls.

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

**Elevated trace mineral and vitamin levels.** Safe guards against deficiency during the more physically demanding stages of production.

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

**Contains BioPlex®.** Organic trace minerals that provide mineral nutrition in a form as close to nature as possible. BioPlex organic trace minerals offer higher bioavailability than inorganic minerals, are easily absorbed, and support mineral retention. Improved trace mineral status supports a number of functions in the body including metabolism, immune function, and reproductive performance.

**Contains Sel-Plex®.** Contains 100% of the Selenium guarantee from Sel-Plex, a proprietary organic form of Selenium Yeast which is the most proven form of organic Selenium. This means 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).....	20.0%
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	2.0%
Calcium (actual).....	1.0%
Phosphorus (actual) .....	1.0%
Magnesium (actual).....	1.0%
Sodium (actual) .....	1.0%
Iodine (actual) .....	30 mg/kg
Copper (actual).....	600 mg/kg
Manganese (actual) .....	2,400 mg/kg
Cobalt (actual) .....	20 mg/kg
Zinc (actual).....	1,800 mg/kg
Fluorine (maximum) .....	70 mg/kg
Vitamin A (minimum) .....	264,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	26,400 IU/kg
Vitamin E (minimum) .....	880 IU/kg

Net Weight 100 kg | 27.3kg  
Product #: 810277 | 810282



# BREED-UP™ 28

## FREE-CHOICE BLOCK SUPPLEMENT FOR ALL CLASSES OF BEEF CATTLE

Crystalyx Breed-Up 28 is designed for self-feeding to all classes of beef cattle in preparation for calving and the breeding season.

### FEATURES & BENEFITS:

**Ideally fortified.** Suited for replacement heifers, cows, purebred herds, cows in embryo transplant programs, estrus sync programs and bulls.

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

**Elevated Trace minerals and vitamins.** Levels to safe guard against deficiency during the more physically demanding stages of production.

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

**Contains BioPlex®.** Organic trace minerals that provide mineral nutrition in a form as close to nature as possible. BioPlex organic trace minerals offer higher bioavailability than inorganic minerals, are easily absorbed, and support mineral retention. Improved trace mineral status supports a number of functions in the body including metabolism, immune function, and reproductive performance.

**Contains Sel-Plex®.** Contains 100% of the Selenium guarantee from Sel-Plex, a proprietary organic form of Selenium Yeast which is the most proven form of organic Selenium. This means 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.**

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

### GUARANTEED ANALYSIS

Crude Protein (minimum).....	28.0%*
Crude Fat (minimum) .....	4.0%
Crude Fibre (maximum).....	2.0%
Calcium (actual).....	2.0%
Phosphorus (actual) .....	2.0%
Magnesium (actual).....	1.0%
Sodium (actual) .....	1.0%
Potassium (actual) .....	2.0%
Iodine (actual) .....	30 mg/kg
Copper (actual).....	600 mg/kg
Manganese (actual) .....	2,400 mg/kg
Cobalt (actual) .....	20 mg/kg
Zinc (actual).....	1,800 mg/kg
Fluorine (maximum) .....	140 mg/kg
Vitamin A (minimum) .....	264,000 IU/kg
Vitamin D <sub>3</sub> (minimum).....	26,400 IU/kg
Vitamin E (minimum) .....	880 IU/kg

\*Including not more than 14.0% equivalent crude protein from non-protein nitrogen.

**Net Weight 100 kg  
Product #: 810278**



## 18% ALL-PURPOSE BLOCK

## FREE-CHOICE BLOCK SUPPLEMENT FOR BEEF CATTLE, HORSES, SHEEP & GOATS

Masterlyx 18% All-Purpose Block is a free-choice low moisture molasses block providing protein, energy, minerals and vitamins. Masterlyx aids in efficient utilization of forages fed to cattle, primarily low quality forages. Nutrients from Masterlyx are provided frequently in small amounts daily. This consistent consumption aides effective nutrition and overall supplementation. With Masterlyx no waste of supplement occurs which helps keep cost of supplementation under control.

### FEEDING DIRECTIONS:

Masterlyx 18% All-Purpose Block is designed for self feeding to grazing beef cattle, horses, sheep and goats.

Feed at the rate of one 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 18% All-Purpose Block contains no salt. Provide salt in the ration or offer free-choice.

### FEATURES & BENEFITS:

**Convenient and practical applications.**  
*Packaged in 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 90.8 kg**  
**Product #: 811038**