

A close-up, high-angle shot of a horse's head, focusing on its eye and muzzle. The horse is dark-colored, and its eye is partially closed. The background is a soft-focus outdoor setting with green grass and a blue sky.

Crystalyx[®]
BRAND SUPPLEMENTS

PERFORMANCE IS SERVED.



SUPPLEMENTATION GUIDE

*This guide includes an abbreviated list of **CRYSTALYX**[®] products.
For a complete product list and specifications visit the **CRYSTALYX**[®] app or website.*



Lysialyx[®]

CONSISTENT. CONVENIENT. CRYSTALYX®.



Consistent Consumption

Convenient, labor saving delivery



Improve body condition score

Boost reproductive performance

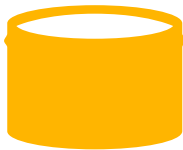


**Keep calves performing
through weaning**



ECONOMICS OF CRYSTALYX®

The true cost of supplementation is much more than the cost per ton of product.



**PRODUCT COST AND
CONSUMPTION RATE**



**TIME TO FEED
PRODUCT**



**FUEL AND EQUIPMENT
COST TO DISTRIBUTE**

When you add these up, CRYSTALYX® will beat other supplement forms on a cost per head per day basis AND offers the convenience of no daily chores.

FEED YOUR NEED WITH **CRYSTALYX[®]**

PROTEIN

SUPPLEMENTAL PROTEIN OPTIONS TO HELP IMPROVE FORAGE
DIGESTIBILITY IN ADDITION TO ADDED MINERALS AND VITAMINS

MINERAL

PALATABLE, SELF-FED OPTION TO PROVIDE
ESSENTIAL MINERALS AND VITAMINS

STRESS & STOCKER

PRODUCTS SPECIFICALLY FOR PROVIDING NECESSARY NUTRIENTS AND
ADDITIVES DURING TIMES OF STRESS OR TO STOCKER CATTLE

FLY CONTROL

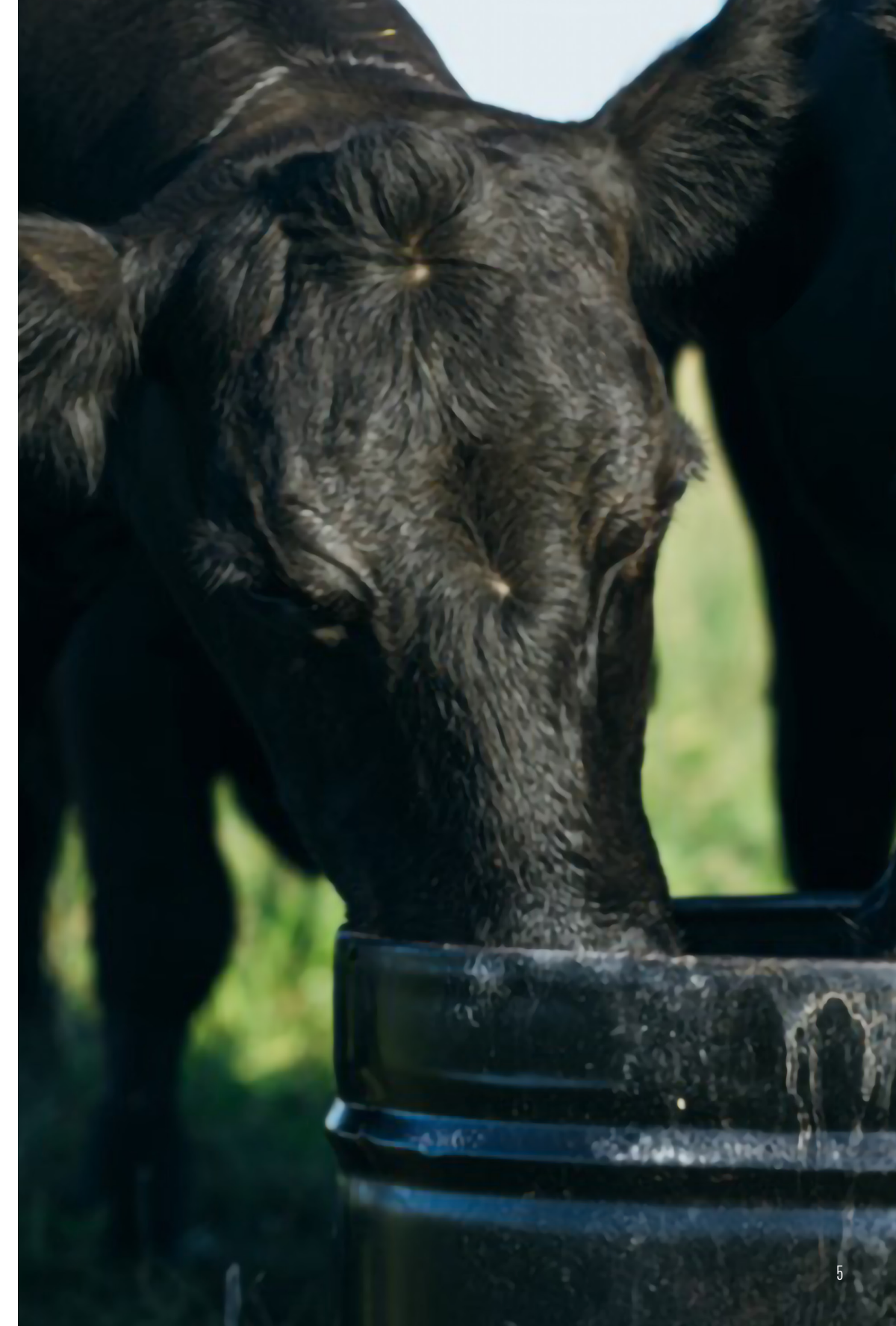
ADDITIVES TO HELP CONTROL THE FLY POPULATION FOR
CATTLE AND HORSES

HI-MAG

SUPPLEMENTS CONTAINING HIGH MAGNESIUM LEVELS TO HELP
REDUCE THE INCIDENCE OF GRASS TETANY

SHEEP, GOAT & EQUINE

SELF-FED OPTIONS FOR SHEEP, GOAT AND EQUINE
SPECIES TO SUPPLEMENT THEIR DIET



CHOOSE THE DESIRED LEVEL OF **PERFORMANCE** IN YOUR SUPPLEMENT.

CRYSTALYX Brand Supplements are available in a wide variety of formulations to meet the needs of every production scenario and pocketbook.



TARGETED NUTRITION
Blueprint

- Exclusively features Bioplex® organic trace minerals
- Unlocks the genetic potential of livestock
- Offers products to support the animal throughout all phases of production
- Helps to meet the higher nutrient needs of today's genetically advanced cattle
- Formula options with Bio-Mos® 2 or ClariFly® available





BALANCED

- Great value and balance between nutrient delivery and supplement cost
- When consumed at typical intakes, beef products provide 100% of National Research Council (NRC) requirements for trace minerals and vitamins
- Should be your minimum choice in providing a balanced nutrition program for typical production conditions



ECONOMY

- Allows for nutritional contributions from other dietary ingredients
- Best used when cattle requirements are less demanding and forage conditions are stable
- Choose a Balanced or Blueprint® supplement when nutrient demand is high



PROTEIN

SUPPLEMENTAL PROTEIN OPTIONS TO HELP IMPROVE FORAGE DIGESTIBILITY IN ADDITION TO ADDED MINERALS AND VITAMINS



PRODUCT NAMEPRODUCT
NUMBER

PROTEIN

NPN

PHOS

COPPER


Blueprint[®] TARGETED NUTRITION

BLUEPRINT[®] 20 AN	60424	20	-	1	225
BLUEPRINT[®] 30	61489	30	15	2	225
BLUEPRINT[®] OMEGA	62870	12	-	1	225
BLUEPRINT[®] ALL IN ONE 25	68849	25	15	4	336
BLUEPRINT[®] 17 MAG	61493	17	-	1	336


BALANCED

BGF-30[™]	3841	30	12	2	330
BGF-20[™]	44682	20	8	1	330
NP-27[™]	3966	27	-	0.8	330
FESCUE-LYX[®]	7229	20	8	1	750
NP-20[™]	3946	20	-	0.8	330
HP-40[™]	3897	40	19	1	330
VP-20[®]	389B	20	-	1	330
VP-30[®]	394B	30	15	2	330


ECONOMY

HE-20%[™]	3915	20	10	0.8	250
HE-30%[™]	13904	30	16	1.8	250



MINERAL

PALATABLE, SELF-FED OPTION TO PROVIDE ESSENTIAL
MINERALS AND VITAMINS

PRODUCT NAME	PRODUCT NUMBER	PHOS	CAL	MAG	COPPER
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TARGETED NUTRITION
Blueprint

BLUEPRINT® 6% PHOS MINERAL	60428	6	6	3.5	675
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BALANCED

MINERAL-LYX®	7239	4	3.5	3	500
CRYSTAL-PHOS® 8	7730	8	7	2.5	1,000
CRYSTAL-PHOS® 4	704M	4	8.5	2.5	1,000

STRESS & STOCKER

PRODUCTS SPECIFICALLY FOR PROVIDING NECESSARY NUTRIENTS AND
ADDITIVES DURING TIMES OF STRESS OR TO STOCKER CATTLE



Uysialyx®

PRODUCT NAME	PRODUCT NUMBER	PROTEIN	NPN	PHOS	COPPER
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TARGETED NUTRITION
Blueprint

BLUEPRINT® BATTALION®	46624	14	-	2	450
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BALANCED

BRIGADE®	2961	14	-	2	500
IONO-LYX® B300	3906	28	12	2	330

Blueprint® Battalion®

- ✓ Highly stressed calves
- ✓ Multiple sources in pen
- ✓ Delivery of Bio-Mos® 2
- ✓ Delivery of Chromium
- ✓ Best choice for sick pens

O R



Brigade®

- ✓ Farm or ranch weaned calves
- ✓ Single source pens
- ✓ Moderate to lower-stressed calves



IONO-LYX® B300

Iono-lyx® B300 is a medicated self-fed block supplement, which contains the ionophore Bovatec® for increased rate of gain in pasture cattle. Look for it in the Blue CRYSTALYX Barrel.

FLY CONTROL

ADDITIVES TO HELP CONTROL THE FLY POPULATION
FOR CATTLE AND HORSES



PRODUCT NAME	PRODUCT NUMBER	PROTEIN	PHOS	CAL	COPPER
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TARGETED NUTRITION
Blueprint

BLUEPRINT® 20 AN WITH CLARIFLY®	62329	20	1	1	225
BLUEPRINT® 6% PHOS MINERAL WITH CLARIFLY®	62307	0	6	6	675



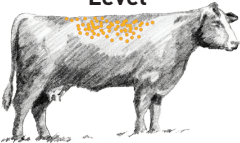
BALANCED

MINERAL-LYX® WITH CLARIFLY®	51006	4	4	3.5	500
IGR PRO™	370K	18	1	1	330
IGR MAX™	719K	-	5	5	1,000
STABLE-LYX® WITH CLARIFLY®	51007	12	1	1.5	250

Exceptional Control



Acceptable Level



Typical to Borderline*



Undesirable



Keep flies under control.

Significant fly populations can put cattle off feed and reduce performance. These safe and effective CRYSTALYX supplements help keep flies firmly under control.

Product	Prevents House Flies	Prevents Horn Flies	Prevents Face Flies	Prevents Stable Flies
IGR Max™ (Altosid®)		●		
IGR Pro (Altosid®)		●		
Mineral-lyx® with ClariFly®	●	●	●	●
Blueprint® 20 AN with ClariFly®	●	●	●	●
Blueprint® 6% Phos with ClariFly®	●	●	●	●
Stable-lyx with ClariFly®	●	●	●	●

Altosid® and ClariFly® are registered trademarks of Wellmark International.

*100-200 horn flies per head is the economical threshold for treatment.



XYRISIX[®]

HI-MAG

SUPPLEMENTS CONTAINING HIGH MAGNESIUM LEVELS TO
HELP REDUCE THE INCIDENCE OF GRASS TETANY

PRODUCT NAME	PRODUCT NUMBER	PROTEIN	PHOS	MAG	COPPER
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TARGETED NUTRITION
Blueprint

BLUEPRINT® 17 MAG	61493	17	1	4	336
BLUEPRINT® FESCUE MAG FEB-200™	61495	20	1	4	600



BALANCED

HI MAG FESCUE-LYX®	7191	20	1	4.4	1,000
SUPER MAG™	3921	12	0.8	4.4	330






SHEEP, GOAT & EQUINE



SELF-FED OPTIONS FOR SHEEP, GOAT AND EQUINE SPECIES TO SUPPLEMENT THEIR DIET





SHEEP

PRODUCT NAME	PRODUCT NUMBER	PROTEIN	PHOS	COPPER
 BLUEPRINT® SHEEP-LYX™	7248	16	1	*
 BLUEPRINT® SHEEP MINERAL	66363		6	*
 SWEET 14%™	3854	14	1	*

GOAT

PRODUCT NAME	PRODUCT NUMBER	PROTEIN	PHOS	COPPER
 BLUEPRINT® GOAT-LYX®	749B	16	1	200
 SWEET 14%™	3854	14	1	*

EQUINE

PRODUCT NAME	PRODUCT NUMBER	PROTEIN	PHOS	COPPER
 STABLE-LYX®	7237	12	1	250
 SWEET 14%™	3854	14	1	*

* no added copper

Formulated with **Alltech**[®] ingredients

Working in collaboration with our parent company Alltech, CRYSTALYX is pleased to offer several products featuring Alltech technologies including:

BIOPLEX[®]

- Offers higher bioavailability than inorganic minerals
- Supports mineral retention and tissue reserves
- Readily absorbed, stored and utilized by the animal
- Helps meet the higher nutrient needs of today's genetically advanced cattle

BIO-MOS[®] 2

A cost-effective, safe and traceable technology that helps animals of all species thrive and reach their genetic potential.

- Promotes performance at all stages
- Supports colostrum quality and newborn calf performance
- Contributes to gastrointestinal integrity and stability to aid in nutrient utilization
- Supports average daily gain
- Reinforces the health status of receiving cattle in the feedlot
- Supports economic returns

FEB-200[™]

- Supports improved animal performance of cattle grazing fescue forages

Yea-Sacc[®]

- Supports improved digestion and utilization of nutrients

Bioplex[®], Bio-Mos[®], FEB-200[™] and Yea-Sacc[®] are registered trademarks of Alltech[®].



TARGETED NUTRITION
Blueprint[®]

**Targeted Nutrition.
Without Excess.
For Peak Performance.**

Blueprint[®] is the next step forward in high-performing animal nutrition. CRYSTALYX[®] Blueprint products contain 100% Bioplex organic trace minerals made from the highest quality, most research-proven trace minerals available.

What can Blueprint do for you?

+2.7%

increase in conception rate

MORE CALVES

+24lbs.

increased weaning weight

HEAVIER CALVES

-2.1%

drop in pre-weaning mortality rate

HEALTHIER CALVES

If you are looking for better results in your herd, and more money in your pocket, turn to Blueprint[®].

Find the Blueprint[®] line-up at blueprintanimalnutrition.com



CRYSTALYX® has many resources to help you stay informed and stay connected.



BEYOND THE BARREL BLOG

Receive educational information and stay up to date on management topics in the industry

OR



BEYOND THE BARREL PODCAST

Subscribe and listen anywhere, anytime on your smart phone or computer

FOLLOW ALONG



@CrystalixBrandSupplements



@CrystalixBrand



@CrystalixBrandSupplements

TOOLS AT YOUR FINGERTIPS



CRYSTALYX® Supplementation guide App

- Find the right supplementation option to meet your needs
- Use the scheduler tool to get reminders when to get more product
- Find CRYSTALYX® dealers in your local area



Beef Cow Body Condition Scoring App

- Photograph a cow, enter its ear tag into the app and assign it to a pasture
- View stats on animals and pastures over time
- Export data in CSV format via email for further analysis



Livestock Intake Calculator for Supplements App (LICS)

- Calculates intake and cost per head per day
- Estimates date to replace product
- Cow-calf calculator adjusts for projected calf intake

Visit [Crystalix.com](https://www.crystalix.com) to utilize these additional tools and resources.

FEED IT & FORGET IT

CRYSTALYX® BIOBARREL

BENEFITS OF BIOBARREL

- Container degrades as livestock consume the CRYSTALYX®
- Made from renewable materials
- WeatherAll® protection offers added weatherability in wet conditions
- Environmentally responsible
- No cleanup or disposal

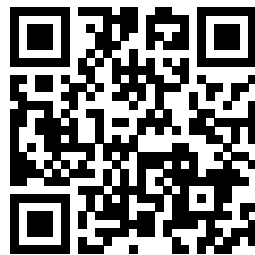
A black cow is seen in a green field, slightly out of focus in the background. In the foreground, a large, cylindrical, brown and grey bio-barrel sits on the grass. The barrel has the word "Crystalix" printed on it in a stylized, dark font. The top of the barrel is covered in a dark, weather-resistant material. The overall scene is a rural, agricultural setting.

CRYSTALYX BIOBARREL



Where can I purchase?

Enter your zip code to find your local dealer at
Crystalx.com or call 800-727-2502.



SCAN ME

Scan the QR code on the right with your smart phone
and enter your zip code to find your local dealer.

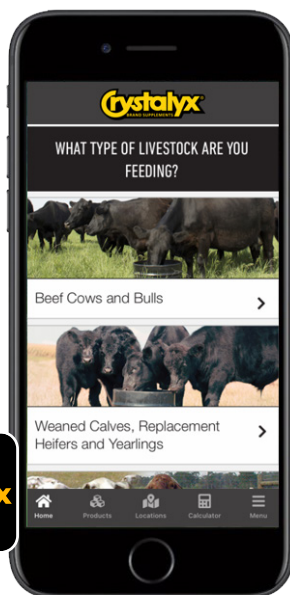
Scan the QR code below to download
the **CRYSTALYX® app** and see product
info, calculators, additive info and
more – right from your phone.



Available on
both Apple
and Android
devices!



Crystalx



CRYSTALYX® Brand Supplements
Mankato, MN 56001

1-800-727-2502
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