

BOVitalize Plus⁺

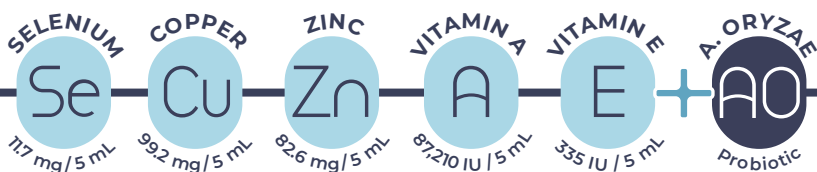
Se Cu Zn Vit. A Vit. E + AO Prebiotic

DETAILER

recharge your herd.



oral nutritional supplement
for beef and dairy cattle



features + benefits

EASY TO ADMINISTER

LOW VOLUME DOSE - 5 mL / 220 lbs.

ONE LESS NEEDLE, A FEW LESS WORRIES —

- Lower risk of any unintended interference that may negatively impact the effectiveness of injectable products being administered in the same area
- Eliminates risk of injection site reactions such as redness, swelling, and/or lesions.

DUAL-ACTION DIGESTIVE SUPPORT

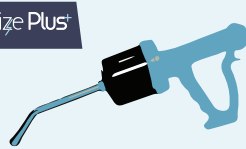

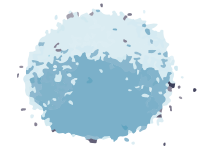

SIZE	ITEM #
4 Liter	1BOV401



LEARN MORE AT
WWW.BIMEDAUS.COM/BOVITALIZEPLUS

PROS AND CONS OF DIFFERENT ROUTES OF ADMINISTRATION

Supplements can be provided through several different routes of administration, each has its own advantages and disadvantages:

 <p>ORAL PRODUCTS</p>	 <p>TOTAL MIXED RATION (TMR)</p>	 <p>FREE CHOICE MINERAL</p>	 <p>INJECTABLE PRODUCTS</p>
<ul style="list-style-type: none"> ⊕ • No injection required • Cost compared to injections • Deliver measured amounts to each animal • Rumen microbial activity with inclusion of AO ⊖ Requires animal restraint and specific equipment to administer 	<ul style="list-style-type: none"> ⊕ Can be mixed in with an operation's existing ration ⊖ Animals must be confined, requires mixing equipment and feeding systems to ensure supplements are uniformly mixed 	<ul style="list-style-type: none"> ⊕ Provides flexibility and can be used in all systems ⊖ Hard to know for certain if each animal receives the proper amount of supplement, palatability issues 	<ul style="list-style-type: none"> ⊕ Deliver measured amounts to each animal ⊖ Cost, requires restraint of animals, injection site reactions, potential interference with other products administered at the same time

INTRODUCTION TO MINERAL AND VITAMIN SUPPLEMENTATION

- Trace mineral and vitamin deficiencies are recognized to be of great importance in beef cattle of all ages.
- It has been shown that deficiencies lead to impairment of immunity and both reproductive + growth performance
- Trace minerals and vitamins are particularly important during key times in the lives of cattle such as breeding, fetal development, calving, weaning and growth.

RATIONALE FOR SUPPLEMENTATION

- Strategic supplementation allows producers to ensure their cattle have adequate levels of trace minerals and vitamins—that they may not be receiving otherwise through their daily diet—in order to correct nutritional deficiencies and prepare their cattle to perform optimally in times of stress
- Supplementation provides improved immunity, growth and reproductive performance
- Optimal nutrition of gestating cows will not only support health and production of the cow but also ensure her calf gets off to a good start

BENEFITS OF ASPERGILLUS ORYZAE:

- The addition of *Aspergillus oryzae* (AO) takes this supplement to the next level by delivering targeted digestive support that helps cattle get more out of every bite. AO works in the rumen to enhance fiber breakdown and support a more stable, efficient digestive environment—key advantages during times of stress, ration changes, or when forage quality dips. By improving forage utilization and supporting consistent intake, AO helps drive performance from the inside out, making the updated formula a more powerful, all in one solution for keeping cattle healthy, productive, and moving forward.

Enhanced with AO: **Better Digestion. Better Intake. Better Performance.**

THE ROLE OF KEY NUTRIENTS AND PROBIOTICS IN CATTLE

SELENIUM	Se	<p>TARGET</p> <p>REPRODUCTION + FERTILITY IMMUNE FUNCTION GROWTH + DEVELOPMENT</p>	<p>DEFICIENCY</p> <p>REDUCED GROWTH POOR REPRODUCTIVE PERFORMANCE CARDIAC FAILURE</p>
COPPER	Cu	<p>TARGET</p> <p>REPRODUCTION + FERTILITY DISEASE RESISTANCE HAIR COLOR</p>	<p>DEFICIENCY</p> <p>REDUCED FERTILITY CARDIAC FAILURE WEAK BONES</p>
ZINC	Zn	<p>TARGET</p> <p>REPRODUCTION + FERTILITY HEALTHY FEET + HOOVES HEALTHY SKIN + COAT</p>	<p>DEFICIENCY</p> <p>HAIR LOSS SKIN ABNORMALITIES HOOF ABNORMALITIES</p>
VITAMIN A	A	<p>TARGET</p> <p>REPRODUCTIVE PERFORMANCE IMMUNE FUNCTION VISION</p>	<p>DEFICIENCY</p> <p>POOR REPRODUCTIVE PERFORMANCE INCREASED INFECTIONS</p>
VITAMIN E	E	<p>TARGET</p> <p>REPRODUCTIVE PERFORMANCE IMMUNE FUNCTION GROWTH</p>	<p>DEFICIENCY</p> <p>REDUCED GROWTH POOR REPRODUCTIVE PERFORMANCE CARDIAC FAILURE + INFECTIONS</p>
ASPERGILLUS ORYZAE	AO	<p>TARGET</p> <p>SUPPORTS FIBER DIGESTION MAINTAIN FEED INTAKE CONSISTENCY SUPPORTS RUMEN EFFICIENCY</p>	<p>DEFICIENCY</p> <p>POOR FIBER UTILIZATION REDUCED FEED EFFICIENCY RISK OF DIGESTIVE INCONSISTENCY</p>

CRITICAL ROLES OF MICRONUTRIENTS AT KEY LIFE STAGES



PREGNANT COWS

Maintain Pregnancy
Calf Development



COWS + CALVES

Support Growth/Immune Function
Reproductive Performance



WEANED CALVES

Optimize Vaccine Immunity
Prevent Stress-Related Disease



STOCKER + FEEDER

Boost On-Arrival Immunity
Vaccine Response

DOSAGE AND ADMINISTRATION

CATTLE UP TO 18 MONTHS OF AGE: Administer to beef or dairy cattle as a **single oral dose of 5 mL per 100 kg (220 lb)** body weight. **Do not administer more than 15 mL per head.**

CATTLE OVER 18 MONTHS OF AGE: Administer to beef or dairy cattle as a **single oral dose of 5 mL per 100 kg (220 lb)** body weight. **Do not administer more than 20 mL per head.**

SUPPLEMENT COMPARISON TABLES

500 POUNDS



PRODUCT	ROUTE OF ADMINISTRATION	DOSE	SELENIUM (mg/dose)	COPPER (mg/dose)	ZINC (mg/dose)	MANGANESE (mg/dose)	VITAMIN A (IU/dose)	VITAMIN E (IU/dose)	ASPERGILLUS ORYZAE
BOVitalize Plus™ (Bimeda)	Oral	11.4 mLs	26.6	225.5	187.7	0	198,205	761.4	Yes
MultiMin® 90 (Axiota)	Injection	5 mLs	25	75	300	50	0	0	No
ProFusion® (Zinpro)	Oral	25 mLs	1	162.5	475	250	0	100	No

1,000 POUNDS +



PRODUCT	ROUTE OF ADMINISTRATION	DOSE	SELENIUM (mg/dose)	COPPER (mg/dose)	ZINC (mg/dose)	MANGANESE (mg/dose)	VITAMIN A (IU/dose)	VITAMIN E (IU/dose)	ASPERGILLUS ORYZAE
BOVitalize Plus™ (Bimeda)	Oral	20 mLs	46.8	396.8	330.4	0	348,840	1,340	Yes
MultiMin® 90 (Axiota)	Injection	6.7 mLs	33.5	100.5	402	67	0	0	No
ProFusion® (Zinpro)	Oral	30 mLs	1.2	195	570	300	0	120	No

*MultiMin® is a registered trademark of Axiota Animal Health, Wamego, KS. ProFusion® is a registered trademark of ZINPRO, Eden Prairie, MN.

