



## Fortress™ Dairy Mineral Program

### Protecting your herd's profitability

Vitamin and mineral nutrition is critical to the dairy animal. From optimizing production and reproductive efficiency to supporting body defense systems during health challenges, the appropriate mineral balance and bioavailability of sources provided is important. Requirements for most minerals and vitamins are not constant and are influenced by a number of dietary and physiological factors, such as stage of lactation, animal age, amount of feed consumed, vitamin and mineral contribution of forage base, water source, commodities fed, and mineral interactions. The Fortress Dairy Mineral Program provides a comprehensive line of minerals developed with high bioavailable inorganic mineral sources, delivered in the correct proportions, and formulated with the flexibility to meet the unique needs of the high producing dairy cow.

#### All Fortress dairy mineral products provide

- Mineral products are formulated based on forage type fed — legume, partial legume, or non-legume forage base; a high-calcium option is also available
- Optimally balanced macro and trace minerals in appropriate amounts and ratios utilizing high bioavailable inorganic mineral sources
- Salt and no salt formulations
- Vitamins A, D, and E; portion of vitamin E is supplied from natural-source which research shows is a more bioavailable antioxidant compared with synthetic vitamin E
- Environmentally-conscious formulations
- Palatability is enhanced with COVOTEK to help maintain mineral intake

#### Fortress Dairy Mineral Product Options

	Product	Feeding Rate, hd/day
<b>All-Legume Diets</b>	<b>Fortress Lactation Mineral 1:1</b> NS No. 35207AAA	5 oz or 0.3125 lb
	<b>Fortress Lactation Mineral 1:1</b> No. 35208AAA	8 oz or 0.5 lb
<b>Partial-Legume Diets</b>	<b>Fortress Lactation Mineral 2:1</b> NS No. 35209AAA	6 oz or 0.375 lb
	<b>Fortress Lactation Mineral 2:1</b> No. 35210AAA	8 oz or 0.5 lb
<b>Non-Legume Diets</b>	<b>Fortress Lactation Mineral 3:1</b> NS No. 35211AAA	8 oz or 0.5 lb
	<b>Fortress Lactation Mineral 3:1</b> No. 35212AAA	10 oz or 0.625 lb
<b>High-Calcium Option</b>	<b>Fortress Lactation Mineral 4:1</b> No. 35213AAA	10 oz or 0.625 lb
	<b>Fortress NW Lactation Mineral 4:1</b> NS No. 35216AAA	8 oz or 0.5 lb
	<b>Fortress NW Lactation Mineral 16:1</b> No. 35217AAA	10 oz or 0.625 lb

*NS indicates product does not contain salt; salt should be added to the diet when using NS products. For optimum performance of cows, rations should be balanced. Cows should have access to clean, fresh water at all times.*

## ADM Dairy Mineral Product Options for Replacement Heifers and Non-Lactating Dairy Cows

Product	Description/Usage	Feeding Rate, hd/day
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### LegenDairy™ Replacement Heifer Minerals

<b>LegenDairy Heifer Mineral</b> No. 35179	Provides optimal, balanced mineral-vitamin supplementation specifically formulated for the developing dairy heifer; contains unique hydroxy trace minerals <sup>†</sup> and salt	0.3 lb
<b>LegenDairy Heifer Mineral Biuret</b> No. 35194	Provides NPN (biuret and urea) with minerals and vitamins; contains unique hydroxy trace minerals <sup>†</sup> and salt	0.4 lb
<b>LegenDairy Heifer OTM Plus Mineral</b> No. 35163	Provides optimal, balanced mineral-vitamin supplementation specifically formulated for the developing dairy heifer; contains Zinpro's Availa** Plus complexed (organic) trace minerals (comprised of zinc, copper, manganese, and cobalt) and inorganic sources of zinc, copper, manganese, iodine, and selenium in amounts and ratios that have been shown in research studies to be beneficial to claw integrity; <b>do not feed to lactating dairy cows</b>	0.3 lb

All LegenDairy heifer products provide the following: ADM natural-source vitamin E; balanced mineral and vitamin fortification including salt; and hydroxy forms of copper, zinc, and manganese (except LegenDairy Heifer OTM Plus Mineral).

Medicated options are available in some products, including Rumensin\*\* and Bovatec\*\*.

For optimal growth of heifers, nutrient content of the diet should be appropriately balanced. A source of forage should be included in the diet.

### Destiny® Dry and Transition Cow Minerals

<b>Destiny Dry Cow Mineral</b> No. 35195AAA	Provides hydroxy trace minerals <sup>†</sup> , selenium yeast, and partial vitamin E from natural-source	0.3 lb
<b>Destiny Dry Cow OTM Plus Mineral</b> No. 35200AAA	Provides optimal, balanced vitamin-mineral supplementation specifically formulated for dry cows; includes highly bioavailable antioxidants natural-source vitamin E and selenium yeast; contains Zinpro's Availa** Plus, a combination of complexed zinc, manganese, copper, and cobalt plus potassium iodide in amounts and ratios that have been shown in research studies to be beneficial to claw integrity; <b>do not feed to lactating dairy cows</b>	0.3 lb
<b>Destiny Close-Up Mineral LCS RU</b> No. 35196CDL	Mineral supplement specifically formulated to complement low-calcium strategy diets to provide support during hypocalcemia challenges post-freshening; provides hydroxy trace minerals <sup>†</sup> , selenium yeast, and partial vitamin E from natural-source; contains Rumensin	0.75 lb

<sup>†</sup>Hydroxy minerals are comprised of highly bioavailable zinc, manganese, and copper. LCS — low calcium strategy

For optimum health and performance of cows, rations should be balanced. Cows should have access to clean, fresh water at all times.

\*Not a trademark of ADM.