HELENA®

AXILO®

AXILO OVERVIEW

Products (Composition %)	CaO	MgO	Fe	B	Mo	Mn	Zn	Cu
Axilo BMZ	-	-	-	0.9%	0.5%	4.5%	10.0%	-
Axilo Ca	10.0%	-	-	-	-	-	-	-
Axilo Cu	-	-	-	-	-	-	-	15.0%
Axilo Fe	-	-	13.0%	-	-	-	-	-
Axilo Mg	-	6.0%	-	-	-	-	-	-
Axilo Mix 5	-	3.0%	4.0%	0.5%	0.1%	4.0%	1.5%	1.5%
Axilo Mn	-	-	-	-	-	15.0%	-	-
Axilo RMX	-	-	5.6%	-	-	2.6%	2.6%	2.6%
Axilo Zn	-	-	-	-	-	-	15.0%	-

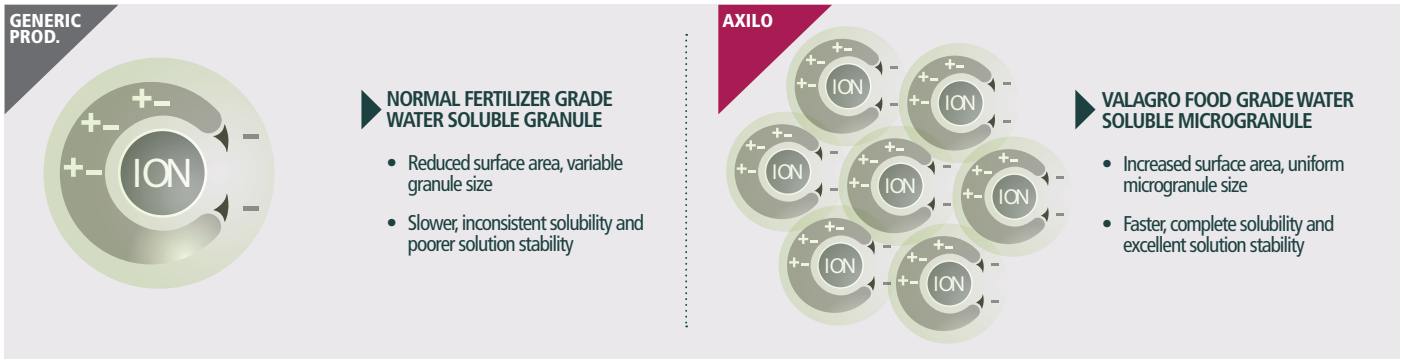
MICRONUTRIENTS	FUNCTIONS IN THE PLANT
MAGNESIUM (Mg)	Magnesium is the central element of the chlorophyll molecule and aids in photosynthesis. It improves utilization and mobility of phosphorus. Magnesium is both an enzyme activator and a constituent of many enzymes. It also influences earliness and uniformity of maturity.
CALCIUM (Ca)	Calcium stimulates root and leaf formation.
ZINC (Zn)	Zinc is essential for the production of auxins, an essential growth hormone. It activates enzymes in protein synthesis, and it is necessary for chlorophyll formation. Zinc influences the rate of seed maturation. The presence of adequate amounts in the tissue enables the plant to withstand lower air temperatures.
IRON (Fe)	Iron is essential for chlorophyll development and function. It acts as an oxygen carrier and is a constituent of certain enzymes and proteins, and it is involved in reactions involving cell division and growth.
MANGANESE (Mn)	Manganese functions as part of certain enzyme systems. It aids in the synthesis of chlorophyll and in nitrate assimilation. Manganese increases the availability of phosphorus and calcium. It also functions in the formation of riboflavin, ascorbic acid and carotene.
COPPER (Cu)	Copper functions as a catalyst in photosynthesis and respiration. It plays an indirect role in chlorophyll production. Copper is important in carbohydrate and protein metabolism. It is important to the formation of lignin in plant cell walls which contributes to the structural strength of the cells and the plant.
MOLYBDENUM (Mo)	Molybdenum is essential for converting nitrates into amino acids within the plant.
BORON (B)	Boron aids the translocation of sugars and carbohydrates, and it is essential for cell wall formation.

WHAT IS AXILO?

The **Axilo** line of micronutrients is comprised of single- and multiple-micronutrient packages. They are engineered to provide dependable results with user-friendly features in soil applications. Since all Axilo products are manufactured using food-grade, water-soluble microgranules, they go into solution rapidly. This feature also greatly improves compatibility with other soil-applied products and high-content phosphate liquid fertilizers.

WHAT MAKES AXILO BETTER?

Axilo is manufactured using food grade technology for quick dispersal of the microgranules in solution. This also provides excellent mixing compatibility with soil- and foliar applied products.



AXILO PRODUCT HIGHLIGHTS

- **Excellent nutrient availability when soil-applied**
- **Highly soluble for easy dispersion**
- **100% EDTA-chelated dry microgranule**
- **Curative & preventive action**
- **Superior tank-mix compatibility**

SINGLE- & MULTI-NUTRIENT PACKAGES PREVENT & TREAT MICRONUTRIENT DEFICIENCIES

PERFORMANCE

AXILO® MIX 5 @ 1 LB/AC

UNTREATED TREATED

UNTREATED TREATED

APPLICATION RECOMMENDATIONS

SOIL APPLICATION

- Surface application conventional sprayer at minimum 40 GPA
- Impregnated onto granular fertilizers
- Use low rates for maintenance applications, middle rates for medium deficiencies & high rates for extreme deficiencies

RATE

- Golf Course Greens: 1/2 lb/ac (43,650 sq ft) in 150-200 gallons of water
- Turf: 0.25 - 2.0 lb/ac in a minimum 40 gallons of water
- Ornamentals: 0.25 - 2.0 lbs/ broadcast ac

GEAPOWER DEFINED

The Axilo formulation was developed using the GeaPower technology platform created by Valagro. GeaPower is used to discover and efficiently convert natural components into high-quality nutrient solutions. GeaPower is based on four fundamental concepts:

- Deep knowledge of active ingredients and raw materials
- Selection of the extraction methods of active ingredients
- Cutting edge investigations and analytical skills
- Proven ability to provide effective solutions to the customer's requirements

HELENA®

People...Products...Knowledge...

NOTES

Valagro®
Where science serves nature

Valagro is a leader in the production and commercialization of unique nutritionals and specialty nutrients. Founded in 1980 and headquartered in Atessa, Italy, Valagro is committed to providing innovative and effective solutions for plant nutrition and care utilizing exclusive technology to discover and develop natural materials that have a minimal environmental impact.

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