

# POLYAMINE

A VERDESIAN NUE SOLUTION™



**PolyAmines are amino acid complexed micronutrients designed to prevent or correct trace element deficiencies at all stages of plant growth. They keep nutrients in the optimal form until utilized by the plant. PolyAmines' high binding constants allow for efficient plant micronutrient adsorption even in a mixture with macronutrient products.**

## CHEMISTRY

- Amino acid complexed micronutrients
- High binding constants which permit micronutrients such as iron, copper, zinc, magnesium, manganese, boron and calcium to be mixed with the macronutrients nitrogen, phosphorus and potassium
- Organic listed for many formulations (OMRI, CDFA-OIM, and/or WSDA-OIM)

## KEY BENEFITS

- Prevents or corrects micronutrient deficiencies at all stages of plant growth
- Enhanced rapid micronutrient absorption, uptake by plants
- Can be applied to sensitive crops without phytotoxicity when used according to label directions
- Allows the critical nutrients to enter the plant quickly with little or no energy loss during a foliar application

## HANDLING AND APPLICATION

- Foliar or broadcast
- Effective with low application rates
- Water soluble and non-phytotoxic when used according to label directions

## FORMULATIONS

### Conventional:

- PolyAmine Boron
- PolyAmine Calcium
- PolyAmine Copper
- PolyAmine Iron
- PolyAmine Magnesium
- PolyAmine Manganese
- PolyAmine Micro-Pak
- PolyAmine Tree Nut Mix
- PolyAmine Zinc

### Organic:

- PolyAmine Calcium Organic
- PolyAmine Copper Organic
- PolyAmine Iron Organic
- PolyAmine Magnesium Organic
- PolyAmine Manganese Organic
- PolyAmine Zinc Organic
- PolyAmine Micro-Pak Organic
- PolyAmine MultiMineral Organic



### REGION

West



### CROP

Vegetables, Field,  
Permanent Crops, Landscaping



### TIMING

Broadcast, Foliar



### PACKAGE

2.5 Gal., 265 Gal. Tote



Applicable to certain  
formulations



ASK US ABOUT THE VERDESIAN

**PERFORMANCE  
GUARANTEE**

800-868-6446 | [vlsci.com](http://vlsci.com)

Important: Always read and follow label use directions.  
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FORMULATION



Crucial Plant Process Influenced by Micronutrients



<b>Polyamine Calcium</b>	✓	Cell wall structure strength	5.00%						
<b>Polyamine Boron</b>		Bloom set, pollination, bud set, fruit set	5.00%						
<b>Polyamine Copper</b>	✓	Reduce fruit drop key in photosynthetic enzymes		2.00%					
<b>Polyamine Iron</b>	✓	Chlorophyll synthesis and multiple enzyme functions			5.50%				
<b>Polyamine Magnesium</b>	✓	Central molecule in chlorophyll, phosphate metabolism				2.00%			
<b>Polyamine Manganese</b>	✓	Photosynthesis, respiration, nitrogen assimilation, pollen germination					5.60%		
<b>Polyamine Zinc</b>	✓	New blooms, shoots, leaves. Synthesis of auxins and enzymes for protein synthesis						5.80%	
<b>Polyamine Micro-Pak</b>	✓	Broad combination of micronutrients to correct deficiencies		0.30%	0.30%	0.50%	1.00%	1.20%	
<b>Polyamine Tree Nut Mix</b>		4.25 - 0 - 0 (3.9% S) Low Biuret Urea, rapid uptake of neutral charged Nitrogen with added Sulphur	0.29%	1.45%		1.60%		2.15%	

APPLICATION RATES			
	MILD DEFICIENCY	MODERATE DEFICIENCY	SEVERE DEFICIENCY
<b>Soil</b>	20-32 oz/acre	32-64 oz/acre	64-80 oz/acre
<b>Water / Irrigation</b>	10-16 oz/acre	3.1	24-42 oz/acre
<b>Foliar</b>	6-12 oz/acre	16-24 oz/acre	24-38 oz/acre

For more detailed product information, please visit [vlsci.com/POLYAMINE](https://vlsci.com/POLYAMINE)



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