



AQUA-YIELD™

CON TEN TS



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6 NANO-SHIELD™

Aqua-Yield products being applied at Tropical Star Nursery in Alamo, TX. The use of the Aqua-Yield technology and products led to a drastic increase in yield and crop cycle. Cost's were also reduced up to 70%



Melon harvest Spring 2017 - Successful field trials where Aqua-Yield products decreased product cost by 60% and increased yield by 35% - 64%. Trials were in association with internationally known fresh and canned food company in Central Arizona.

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HOW WE DO IT



Purify

By removing impurities through the Aqua-Yield lab, our liquid fertilizer can react better with our Nano-Shield™ technology and repel other impurities.



Minify

We then break up the particles in the liquid fertilizer, fusing them with fertilizer molecules so they can be absorbed directly into the leaf and root cells in the crop.



Shield

Our Nano-Shield technology protects nutrients against impurities and reactive molecules in the water and soil that more nutrition ends up in the crops.



Yield

The Aqua-Yield process means more fertilizer gets into the crop. More efficient delivery through leaves and roots means higher production for the farm.

FROM THE CSO



There are few industries that are in as desperate need of cutting-edge technologies as agriculture. From the rising political pressure to improve efficiency and reduce environmental impact to rising financial, disease, and pest pressures; agriculture is being attacked from every angle. Considering these pressures, agriculture is an ideal application for nanotechnology. What better place to utilize the precision and efficiency that Nanotechnology provides? With this in mind, Aqua-Yield has been developing cutting-edge nanotechnologies for the farmer. Aqua Yield's Nano-Shield is a novel and highly efficient method for delivering crop nutrition and agrichemicals directly into the plant cell. This delivery method is unlike any other method on the market. With this tool,

we truly believe we have the edge when it comes to absorption efficiency. Our success is due in part to our strong focus on research and development.

Over the past few years, Aqua-Yield has performed hundreds of experiments designed to improve and characterize the Nano-Shield technology—and the Nano-Shield is just the beginning. Aqua-Yield has more technologies under development that will increase efficiency and provide tools that will improve the way crops are grown. Considering the new tools available and the new tools on the way, this is truly an exciting time to be in agriculture.

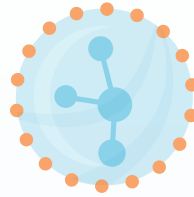
FROM THE CEO



Aqua-Yield has delivered consistent results to farmer with patented and proprietary nanotechnologies. The status quo is not good enough and Aqua-Yield is challenging it daily. The Aqua-Yield team and brand are pioneers of liquid nanotechnologies and are the first to market this cutting-edge technology and product mix to agriculture. Farmers are realizing that agriculture is at a dismal crossroads. It is becoming harder to be profitable as a farmer and luckily Aqua-Yield has a product line and technology that all growers can adapt to and use. The Aqua-Yield products and nanotechnologies have been developed so that the grower can achieve the results that they depend on to grow a healthy and profitable crop. This performance is achieved and it is eco-friendly, farmer-friendly, user-friendly,

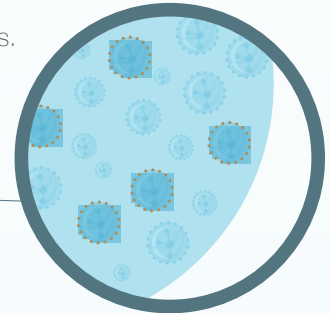
profit friendly and future-friendly. Welcome to the future of farming. Using nanotechnologies, we make fertilizer more crop-friendly from the cell up. Our goal? Higher yields with less waste. Our technology gets the most out of every acre.

NANO-SHIELD™

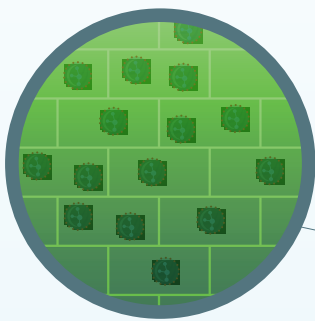


Aqua-Yield's **Minify** process creates nanoparticles rich in nutrients that crops need. These nanoparticles penetrate cell walls with high efficiency. More efficient delivery means healthier crops with lower inputs.

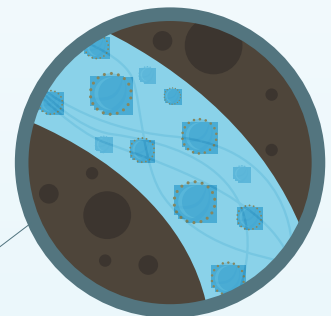
Aqua-Yield's **Shield** process creates a nano-sized shield around nutrient molecules/ions. This process is called the Nano-Shield™



Aqua-Yield nanoparticles and fertilizer molecules wrapped in the Nano-Shield™ are components of Aqua-Yield's liquid Aquamized™ products and can be applied foliarly or to the soil.



When applied foliarly, nanoparticles and nutrients wrapped in the Nano-Shield™ are absorbed with high efficiency. Aquamized™ nutrition will improve your liquid nutrition program and result in higher yields with less money spent and less waste, making your farm more environmentally friendly.



In the soil, the nanoparticles and nutrients wrapped in the Nano-Shield™ remain in solution and travel more readily through the soil until they make contact with root cells. Once in contact with root cells, the nanoparticles and molecules wrapped in the Nano-Shield™ enter the plant with high efficiency. The Nano-Shield™ is the most efficient delivery system in the crop nutrition market.

“Aqua-Yield's revolutionary technology improves crop health and vigor by efficiently delivering nutrients and other important chemistry directly to the cell.”

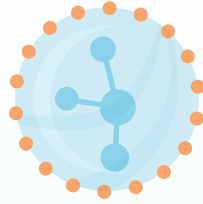
- Landon D. Bunderson, Ph.D.

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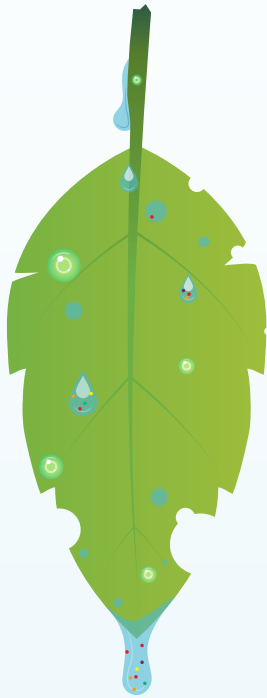


AQUA-YIELD™

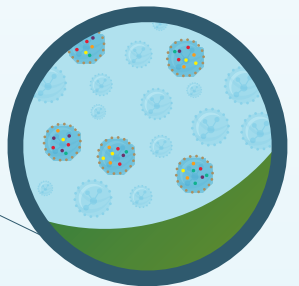
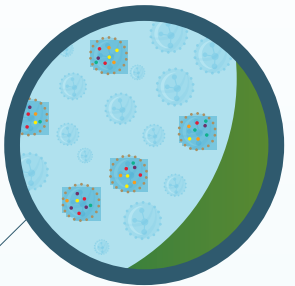
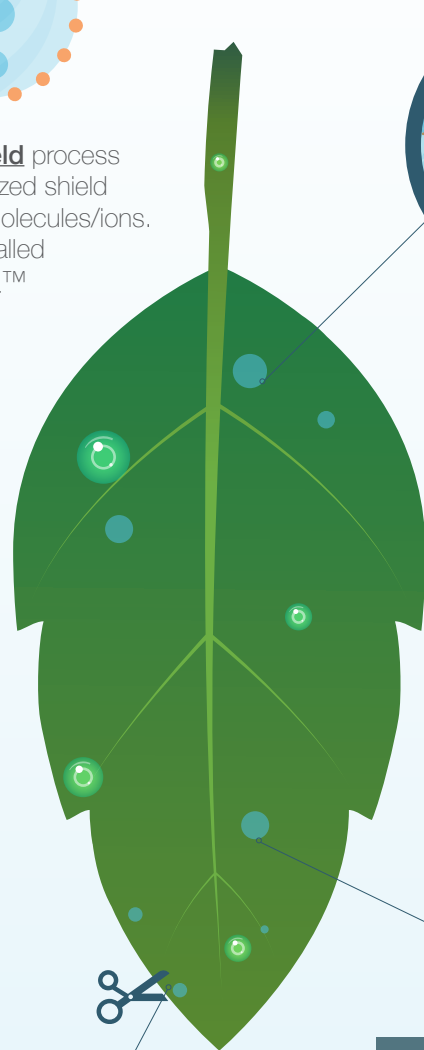
NANOGRONOMY™



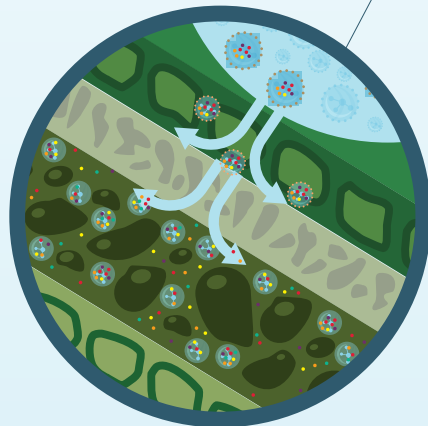
Aqua-Yield's **Shield** process creates a nano-sized shield around nutrient molecules/ions. This process is called the **Nano-Shield™**



Conventional Technology



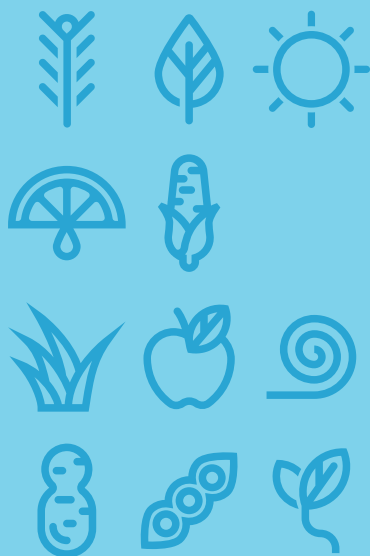
Aqua-Yield™ Technology



- N
- P
- K
- Fe
- Zn



NANOPRO™



Application: Foliar Spray Application

NanoPro is different from other herbicide adjuvants because it contains an Aquamized formulation that can deliver herbicide to plant cells more efficiently via Nano-Shield delivery system. This product is field tested and grower approved to change the way you manage weeds.

Why Use NanoPro?

- Faster burndown of weeds
- Higher % kill on tough weeds
- Unique formulation promotes cellular access
- Can be used in combination with other products

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NanoPro™

ACTIVE INGREDIENTS

Humic Acids	1.0%
Total Other Ingredients	99.0%

Derived from: Leonardite, Water

DIRECTIONS FOR USE

Dilute 2.5 gallons (9.46 liters) NanoPro™ in 80 gallons (308.2 liters) of water. Apply dilution 1 gallon (3.78 liters) to the acre. Can be applied as a foliar application or using injection methods. AGITATE BEFORE APPLYING.

APPLICATION RATES

Apply NanoPro™ 4 fluid ounces (118.2 ml) to the acre. Use 1 - 4 times a month in addition to current fertility programs.

For more information, consult a sales representative at 801.449.9220 or email info@aquayield.com

STORAGE AND HANDLING

Avoid contact with eyes, skin, and clothing. Do not store product in direct sunlight for extended periods of time. Keep container sealed when not in use. KEEP OUT OF REACH OF CHILDREN.

IMPORTANT: READ BEFORE USING

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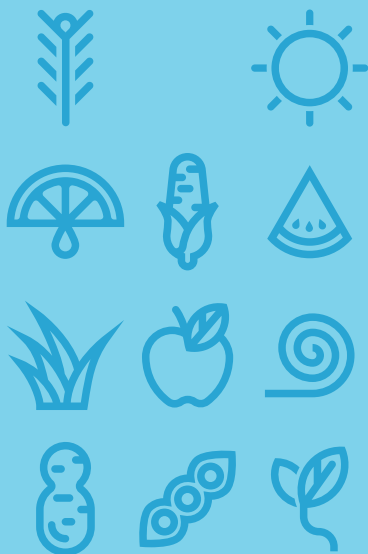
MADE IN THE U.S.A

NET WEIGHT
21 lb (9.52 kg)
NET VOLUME
2.5 gal (9.46 L)

NANORISE™



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Application: Foliar Spray and Soil Application

NanoRise™ is a revolutionary product that enhances or makes all liquid fertilizer products more efficient. NanoRise™ can be added to any liquid fertilizer to improve the speed and efficiency of absorption. This is all thanks to the Nano-Shield delivery system. NanoRise™ is field tested and grower approved to change the way you grow your crops.

Why Use NanoRise?

- Accelerates your crop nutrition for enhanced delivery
- Higher % of nutrient uptake with less fertilizer used
- Patented and proprietary formulation to increase fertilizer effectiveness
- NanoRise is like an adjuvant but for your fertilizer

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NanoRise™

ACTIVE INGREDIENTS

Humic Acids	2.5%
Total Other Ingredients	97.5%

Derived from: Leonardite, Water

DIRECTIONS FOR USE

Dilute 2.5 gallons (9.46 liters) NanoRise™ in 80 gallons (308.2 liters) of water. Apply dilution 1 gallon (3.78 liters) to the acre. Can be applied as a foliar application or using injection methods. AGITATE BEFORE APPLYING.

APPLICATION RATES

Apply NanoRise™ 4 fluid ounces (118.2 ml) to the acre. Use 1 - 4 times a month in addition to current fertility programs.

For more information, consult a sales representative at 801.449.9220 or email info@aquayield.com

STORAGE AND HANDLING

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Salt Lake City, UT 84124

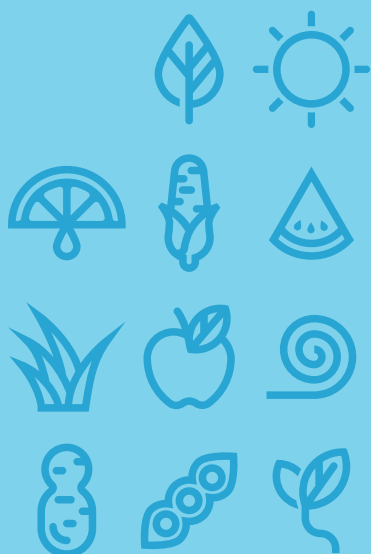
MADE IN THE U.S.A

NET WEIGHT
21.5 lb (9.75 kg)
NET VOLUME
2.5 gal (9.46 L)

NANOPHOS™



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47
0



Application: Foliar Spray and Soil Application

NanoPhos™ maximizes crops' responses to phosphorus, involved in the root, flower and general growth. It improves soil structure, organic matter, and is a critical nutrient in soil microbe populations' health. NanoPhos™ is a component of energy maintenance in your crops and helps them respond to changes in the environment.

Why Use NanoPhos?

- Increases plant tillers
- Enhances seedling, sprig and young tissue growth rates
- Improves additional macro and micronutrients' uptake
- Improves crops' stress tolerance
- Improves yield and quality of targeted crop
- Promotes root growth and tillering

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NanoPhos™

0 - 47 - 0

GUARANTEED ANALYSIS

Available Phosphate (P2O5) 47.00%
Derived from: Phosphoric Acid

DIRECTIONS FOR USE

Dilute 2.5 gallons (9.46 liters) NanoPhos™ in 80 gallons (308.2 liters) of water. Apply dilution 1 gallon (3.78 liters) to the acre. Can be applied as a foliar application or using injection methods. AGITATE BEFORE APPLYING.

APPLICATION RATES

Apply NanoPhos™ 4 fluid ounces (118.2 ml) to the acre. Use 1 - 4 times a month in addition to current fertility programs.

For more information, consult a sales representative at 801.449.9220 or email info@aquayield.com

STORAGE AND HANDLING

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MANUFACTURED BY:
Aqua-Yield Operations, LLC
4219 Abinadi Road
Salt Lake City, UT 84124

MADE IN THE U.S.A

NET WEIGHT
31 lb (14.06 kg)
NET VOLUME
2.5 gal (9.46 L)

NANOGRO™



7
10
1



Application: Foliar Spray and Soil Application

NanoGro is a specialized formulation that speeds up germination providing fast, strong establishment of all crops, and can also be applied as a growth stimulator all season long. The trace micronutrients and natural plant stimulants in NanoGro promote soil health and biological activity.

Why Use NanoGro?

- Faster establishment
- Earlier fruiting and larger fruit size
- Improves yield and productivity
- Adds vigor to root, stem and leaf growth
- Improves soil health

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NanoGro™

7 - 10 - 1

GUARANTEED ANALYSIS

Total Nitrogen (N)	7.00%
Ammoniacal Nitrogen	2.5%
Urea Nitrogen	4.5%
Available Phosphate (P2O5)	10.00%
Soluble Potash (K2O)	1.00%

Derived from: Urea, Ammonium Phosphate and Potassium Carbonate

DIRECTIONS FOR USE

Dilute 2.5 gallons (9.46 liters) NanoGro™ in 80 gallons (308.2 liters) of water. Apply dilution 1 gallon (3.78 liters) to the acre. Can be applied as a foliar application or using injection methods. AGITATE BEFORE APPLYING.

APPLICATION RATES

Apply NanoGro™ 4 fluid ounces (118.2 ml) to the acre. Use 1 - 4 times a month in addition to current fertility programs.

For more information, consult a sales representative at 801.449.9220 or email info@aquayield.com

STORAGE AND HANDLING

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MANUFACTURED BY:
Aqua-Yield Operations, LLC
4219 Abinadi Road
Salt Lake City, UT 84124

MADE IN THE U.S.A

NET WEIGHT
24 lb (10.88 kg)
NET VOLUME
2.5 gal (9.46 L)

NANOPACK™



Six key Micro and Secondary Nutrients in one application

Application: Foliar Spray and Soil Application

Micronutrients included in NanoPack have numerous, critical roles in crops' development, maintenance and stress responses, leaving visible signs if deficient. They are involved in everything from energy and sugar production, cell wall development, hormone signaling, and enzyme function among others. Optimal crop health starts with improved micronutrient content.

Why Use NanoPack?

- Enhanced plant growth and development
- Improved pollination
- Enhanced sugar transfer for more yield
- Increased plant nutrient uptake and plant development
- Improved yield and quality
- plant metabolism booster



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NanoPack™

GUARANTEED ANALYSIS

Sulfur (S)	2.18%
Copper (Cu)	0.057%
Iron (Fe)	2.21%
Manganese (Mn)	1.09%
Zinc (Zn)	1.08%

Derived from: Copper Sulfate, Ferrous Sulfate, Manganese Sulfate and Zinc Sulfate

DIRECTIONS FOR USE

Dilute 2.5 gallons (9.46 liters) NanoPack™ in 80 gallons (308.2 liters) of water. Apply dilution 1 gallon (3.78 liters) to the acre. Can be applied as a foliar application or using injection methods. AGITATE BEFORE APPLYING.

APPLICATION RATES

Apply NanoPack™ 4 fluid ounces (118.2 ml) to the acre. Use 1 - 4 times a month in addition to current fertility programs.

For more information, consult a sales representative at 801.449.9220 or email info@aquayield.com

STORAGE AND HANDLING

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MANUFACTURED BY:
Aqua-Yield Operations, LLC
4279 Almond Road
Salt Lake City, UT 84124

MADE IN THE U.S.A.

NET WEIGHT
24 lb (10.88 kg)
NET VOLUME
2.5 gal (9.46 L)

NANOSTRESS™



Application: Foliar Spray Application

Heat, salt and other environmental stresses can reduce crop productivity. Nanostress helps plants cope with oxidative stresses. These effects can threaten the health, productivity and yield of crops throughout production.

Why Use NanoStress?

- Improve environmental stress tolerance and vigor
- Protect investment in crops
- Improve yield and productivity



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NanoStress™

0 - 17 - 21

GUARANTEED ANALYSIS

Available Phosphate (P2O5)	17.00%
Soluble Potash (K2O)	21.00%

Derived from: Phosphoric Acid and Potassium Hydroxide

DIRECTIONS FOR USE

Dilute 2.5 gallons (9.46 liters) NanoStress™ in 80 gallons (308.2 liters) of water. Apply dilution 1 gallon (3.78 liters) to the acre. Can be applied as a foliar application or using injection methods. AGITATE BEFORE APPLYING.

APPLICATION RATES

Apply NanoStress™ 4 fluid ounces (118.2 ml) to the acre. Use 1 - 4 times a month in addition to current fertility programs.

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Aqua-Yield Operations, LLC
4279 Almond Road
Salt Lake City, UT 84124

MADE IN THE U.S.A.

NET WEIGHT
31 lb (14.06 kg)
NET VOLUME
2.5 gal (9.46 L)

NANO K™



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0
21

Application: Foliar Spray Application

NanoK delivers nano-scale potassium to crops, producing numerous benefits. Potassium has a strong role in production and usage of proteins, sugars, starches and other critical compounds in crops. It is an important ion in maintenance of optimal water content in crops' cells, and helps maintain balance of salt content in crop tissues. This promotes improved seed quality, as well as heat and salt stress resistance in all crop parts.



Why Use NanoK?

- Increases root growth
- Strengthens, thickens cell walls
- Increases crop productivity, improving efficiency
- Low salt index
- Signals compounds which promote plant-soil microbe relationships
- Improves seed and fruit quality

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NanoK™

0 - 0 - 21

GUARANTEED ANALYSIS

Soluble Potash (K ₂ O)	21.00%
Derived from: Potassium Acetate	

DIRECTIONS FOR USE
Dilute 2.5 gallons (9.46 liters) NanoK™ in 80 gallons (308.2 liters) of water. Apply dilution 1 gallon (3.78 liters) to the acre. Can be applied as a foliar application or using injection methods. AGITATE BEFORE APPLYING.

APPLICATION RATES
Apply NanoK™ 4 fluid ounces (118.2 ml) to the acre. Use 1 - 4 times a month in addition to current fertility programs.
For more information, consult a sales representative at 801.449.9220 or email info@aquayield.com

STORAGE AND HANDLING
Avoid contact with eyes, skin, and clothing. Do not store product in direct sunlight for extended periods of time. Keep container sealed when not in use. KEEP OUT OF REACH OF CHILDREN.

IMPORTANT: READ BEFORE USING
Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return unopened product container at once. By using this product, user/buyer accepts the following Warranty Disclaimer and Limitation of Liability.

www.aquayield.com 801.449.9220

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY:
MANUFACTURER AND SELLER WARRANT THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS RESPONSIBLY FIT FOR PURPOSES STATED ON THE LABEL WHEN USED IN STRICT ACCORDANCE WITH THE DIRECTIONS FOR USE. TESTS HAVE NOT BEEN CONDUCTED ON ALL VARIETIES OF FOOD CROPS AND PLANTS. POSSIBLE USE OR APPLICATION WITH OTHER PRODUCTS, THE MANNER OF USE OR APPLICATION, OR UNUSUAL CONDITIONS, MANUFACTURER AND SELLER MAKE NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHETHER EXPRESS OR IMPLIED. MANUFACTURER AND SELLER SHALL BE LIABLE FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES TO BEING INCURRED BY BUYER OR PURCHASER (PRICE OR REPLACEMENT OF PRODUCT) AT MANUFACTURER'S OR SELLER'S CHOICE. MANUFACTURER AND SELLER SHALL BE LIABLE FOR CONVICTION OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY TO LABEL DIRECTIONS OR SHIPPING OF PRODUCT. USE CONTRARY TO LABEL DIRECTIONS IS NOT PERMITTED. USER ASSUMES ALL RESPONSIBILITY FOR DAMAGES CAUSED TO CROPS WHEN EXCEEDING APPLICATION RATES.

MANUFACTURED BY:
Aqua-Yield Operations, LLC
4219 Ahmadi Road
Salt Lake City, UT 84124

MADE IN THE U.S.A.

NET WEIGHT
26 lb (11.79 kg)
NET VOLUME
2.5 gal (9.46 L)

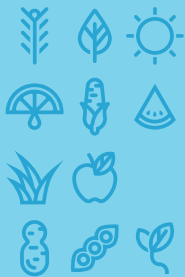
NANO ZN™



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Application: Foliar Spray and Soil Application

NanoZn delivers the critical micronutrient zinc to target crop tissues. Zinc can be challenging to deliver in adequate amounts to crops, making the nano-scale zinc in NanoZn more quickly absorbed by crops. Zinc is critical in the development of seed and production of healthy structure and framework. Zinc strongly promotes cold tolerance in crops and can inhibit changes in development, energy utilization and development in stressed tissues.



Why Use NanoZn?

- Promotes robust growth
- Enhances early growth and development
- Improves growth during cool temperatures in Spring or Fall, extending production window
- Improves nutrient uptake and plant development
- Improves crop yield and quality

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NanoZn™

GUARANTEED ANALYSIS

Zinc (Zn)	9.00%
Water Soluble Zinc	9.00%
Derived from: Zinc Sulfate	

DIRECTIONS FOR USE
Dilute 2.5 gallons (9.46 liters) NanoZn™ in 80 gallons (308.2 liters) of water. Apply dilution 1 gallon (3.78 liters) to the acre. Can be applied as a foliar application or using injection methods. AGITATE BEFORE APPLYING.

APPLICATION RATES
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MANUFACTURED BY:
Aqua-Yield Operations, LLC
4219 Ahmadi Road
Salt Lake City, UT 84124

MADE IN THE U.S.A.

NET WEIGHT
25.5 lb (11.56 kg)
NET VOLUME
2.5 gal (9.46 L)

PRODUCT PRICING

2018

Aqua Yield Product	MSRP	Cost Per Acre
NanoPro™	\$199.99	\$2.49/Acre
NanoPhos™	\$399.99	\$4.99/Acre
NanoBoost™	\$399.99	\$4.99/Acre
NanoStress™	\$399.99	\$4.99/Acre
NanoZn™	\$429.99	\$5.37/Acre
NanoPack™	\$449.99	\$5.62/Acre
NanoK™	\$449.99	\$5.62/Acre
NanoGro	\$499.99	\$6.24/Acre



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