



# NANO pHLOW

A Water Conditioner



## AVAILABLE IN:

2.5 Gallon Jugs + 265 Gallon Totes

## HOW IS NANO pHLOW™ DIFFERENT THAN OTHER WATER CONDITIONERS?



**Spectra**

### *A pH lowering nano chelation technology*

Spectra provides three main benefits. It lowers spray solution pH, while changing the color to indicate the pH is in the desired range. It ties up the calcium, magnesium and iron, often found in abundance in well water, through a new nano chelation process.



**LeafLink**

### *A transcellular absorption technology*

LeafLink™ technology adheres to the leaf surface and replicates the plant's cuticular matrix, facilitating direct transcellular absorption and enhanced uptake of applied inputs.



**pHirstAid**

### *A unique bio-stimulant package*

This innovative bio-stimulant package contains fulvic acid, kelp extract, plant extract hydrolysate and complex carbohydrates. This proactively increases the crop's tolerance to abiotic stress while stimulating beneficial soil microbes and improving the uptake of tank mix partners.



## WHAT IS IT?

This advanced formulation lowers solution pH, conditions water for optimal chemistry performance, increases dissolved oxygen levels, reduces crop stress through a unique biostimulant package, and functions as a powerful surfactant to enhance nutrient absorption and overall application efficiency.

## WHY USE IT?

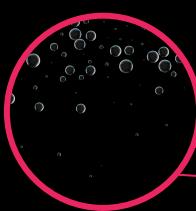
*To lower solution pH and tie up bicarbonates.*

Most hard water has a pH of 6.5–8.5 and is loaded with calcium and magnesium. Most tank mixed pesticides and crop inputs are most effective at a pH of 4–6.

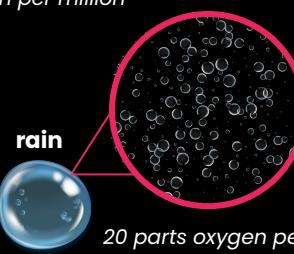


**NanoRain**

NanoRain™ saturates the spray solution with ultra-stable air molecules (< 200 nm) to improve dispersion and oxygenation. It also enhances droplet buoyancy, surface coverage, and adhesion to plant tissue, and promotes more uniform spray deposition and optimized cuticle interaction.



well water  
2 parts oxygen per million



rain  
20 parts oxygen per million

ADDITIONAL TECHNOLOGY



	NANO pHLOW	Other Leading Water Conditioners	Dry AMS	Liquid AMS
Lowers pH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Conditions Water	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Surfactant	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Emulsifier	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Low Application Rate (per 100 gallons)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Nano Chelation Color-Changing Technology	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 LeafLink	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
 pHirstAid	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Alkaline water destroys product effectiveness before it even reaches the field, wasting product and reducing control.

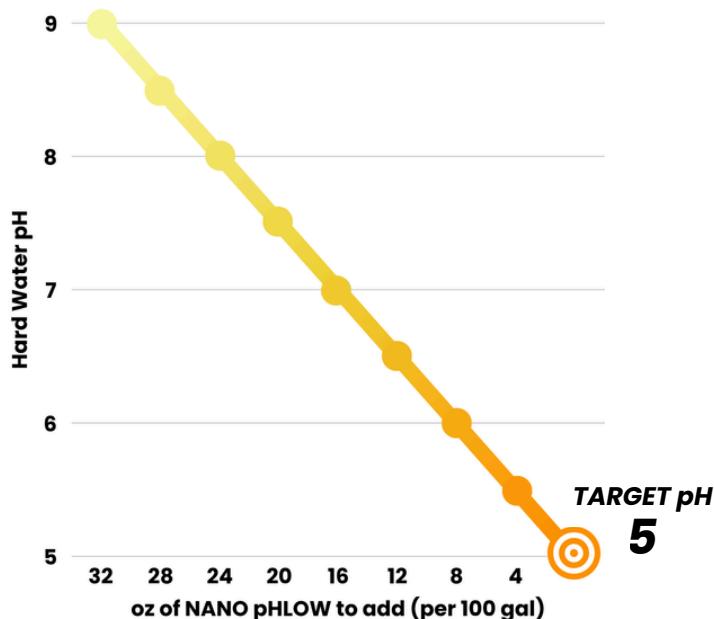
Managing water pH with NANO pHLOW helps protect product performance and ensures better results.

**RESEARCH BY EMILY MUELLER, TOM BOWMAN, AND WAYNE BUHLER**

**NC STATE**

Product	Pesticide Activity (Half-Life)		
	pH 5 ACIDIC	pH 7 NEUTRAL	pH 9 BASIC
Herbicide	16 days	17 hours	10 minutes
Fungicide	10 hours	3 hours	2 minutes
Insecticide	Stable	10 days	24 hours

\*\*Note that pesticidal half-life values can vary depending on field conditions



## HOW TO USE IT:

Spectra technology changes the color of the water as the pH changes. Each pint of NANO pHLOW drops water pH by roughly 2 points.

Rate: Personalize to your water source.  
[Use chart.](#)

