nuvano® PURE

Nuvano® Pure optimizes spray water for pesticide and nutrient delivery by sequestering bicarbonates, adjusting pH into ideal range, and providing an advanced carrier system for increased delivery efficiency.

KEY BENEFITS

CONDITIONS SPRAY WATER

- Drops spray water pH into a most effective range
- Sequesters bicarbonates in the spray tank
- Helps prevent active ingredients from being tied up
- Keeps pesticides and nutrients effective throughout the application

OPTIMIZER TECHNOLOGIES

- Proprietary Acid Blend for adjusting pH and bicarbonate reaction
- Chelix Technology captures bicarbonate ions, protecting chemistries from tie-up. Chelix also improves emulsification of tank mix chemistries
- Meld Technology uses lipophilic carriers to mimic plant cell membranes, moving crop chemistries more efficiently across plant membranes and enhancing uptake through leaves and roots

WHEN TO USE

- When spraying herbicides, fungicides, insecticides, or other pH-sensitive products
- When bicabonates may tie up active ingredients and reduce pesticide or nutrient effectiveness

RATES & USAGE

- Most source water is sufficiently conditioned with 16 oz of Pure per 100 gallons
- If initial 16oz per 100 gal does not decrease pH below 6, increase amount by 8 oz per 100 gallons until a pH lower than 6 is achieved
- Spray water properly conditioned with Pure has bicarbonates neutralized, solution pH enhanced for chemistry intake, and improved active and passive diffusion through plant membranes
- Suggested pairing: Endosight® Nanotech Adjuvant



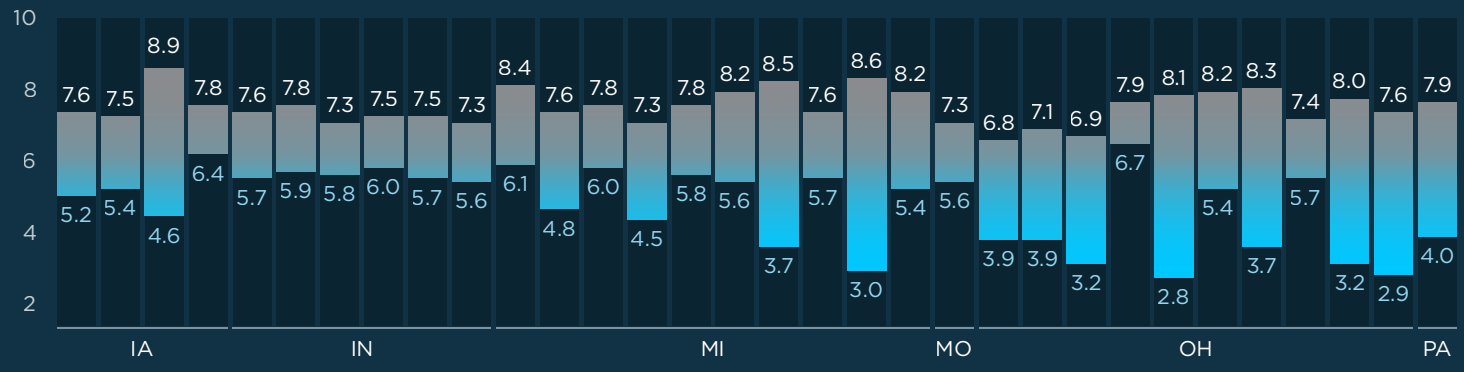
WATER, *OPTIMIZED.*

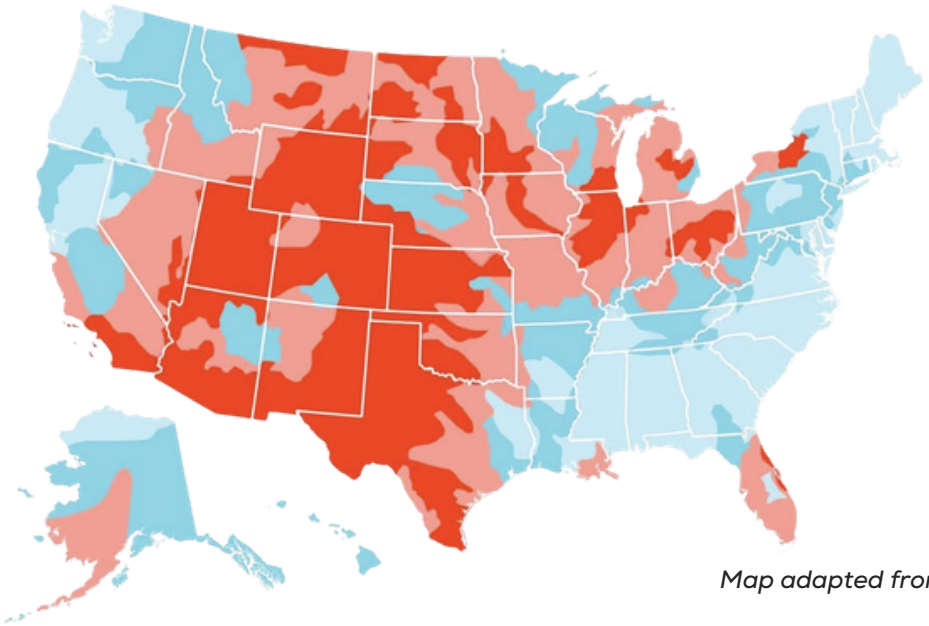
Nuvano® Pure conditions spray water so pesticides and nutrients remain more effective throughout the application

Water pH Adjustment with Nuvano Pure

Initial treatment: 1 pt/100 gal

Top: starting pH • Bottom: treated pH





Slightly hard water

Moderately hard water

Hard water

Very hard water

Map adapted from the United States Geological Survey

Pesticide Activity (Half-Life)			
Product	**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

HIGH pH CAN REDUCE PESTICIDE ACTIVITY

Source: Fred Whitford et al. Purdue Extension, PPP-86

PURDUE UNIVERSITY®

Hard water is common across much of the U.S. Water pH also matters when mixing pesticides. In this study, the herbicide's half-life dropped from 16 days at pH 5 to just 10 minutes at pH 9.

CHECK OUT NUVANO® PURE!

Scan here to learn more about Nuvano® Pure, giving you better conditioned water.

800-348-2608

TAD: 260-273-1363

RON: 515-368-3732

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