

FIELD FACTS

PROACQUA® PULSE: FOLIAR NUTRITION FOR CORN

KEY FINDINGS:

**PROACQUA
PULSE**
IMPROVES NITROGEN
METABOLISM AND
BOOSTS CORN YIELD

ProAcqua Pulse (0-6-4)

1% Mg, 1.3% S, .5% Co, 10% Mo, 1.5% Ni*, 6% Zn

KEY NUTRIENTS:

Nutrient	Function
Phosphorus (P)	Provides energy – ATP
Magnesium (Mg)	Keeps leaves green
Cobalt (Co)	Reduces ethylene synthesis, aiding photosynthesis
Nickel (Ni)*	Activates nitrogen metabolism
Potassium (K)	Increases efficiency of your nitrogen source
Sulfur (S)	Aids in the conversion of nitrogen into protein
Molybdenum (Mo)	Activates nitrogen metabolism
Zinc (Zn)	Aids in the production of auxins, helping maintain healthy roots

*Not labeled for Nickel in all states.

OBJECTIVE:

Demonstrate the benefit of ProAcqua Pulse in corn production by implementing trials with third-party cooperators and growers throughout North America and recording observations from a demonstration in field corn.

OVERVIEW:

ProAcqua Pulse is designed specifically to enhance nitrogen utilization and improve corn yield. Uniquely formulated with high-quality nutrients and a proprietary adjuvant blend, Pulse activates nitrogen metabolism, aids in the formation of amino acids and boosts photosynthesis.

TRIALS:

Across three locations, ProAcqua Pulse was applied at 6 ounces per acre with herbicide between V4 and V5 in corn. (Figure 1)

% yield increase from ProAcqua Pulse compared with GSP

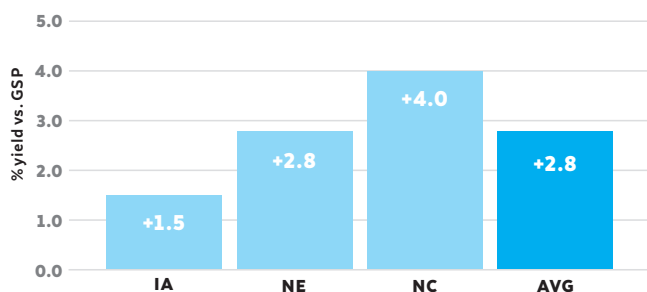


FIGURE 1. Yield increase (%) relative to the Grower Standard Practice (GSP)

TRIALS:

Figure	Location	Rate	Timing	Trial Type	Replications	Mix Partner
2	Richland, IA	6 oz/ac	V4	Small plot	6	Herbicide
3	Belvidere, NC	6 oz/ac	V4	Small plot	6	Herbicide
4	Grant, NE	6 oz/ac	V5	Farm-scale strip plot	N/A	Herbicide

IOWA:

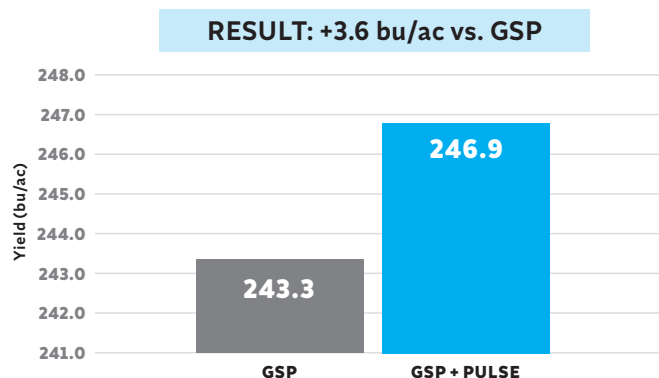


FIGURE 2. Iowa trial corn yields

NORTH CAROLINA:

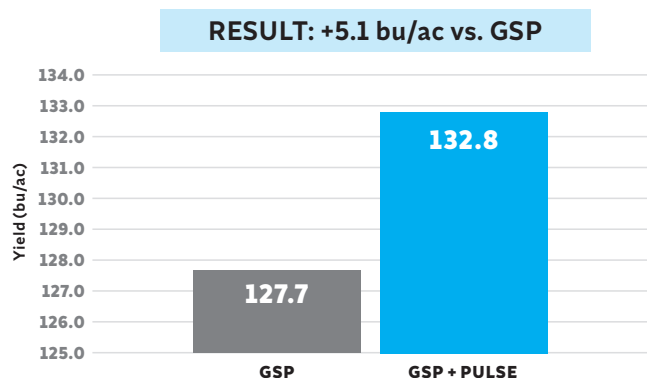


FIGURE 3. North Carolina trial corn yields

NEBRASKA:

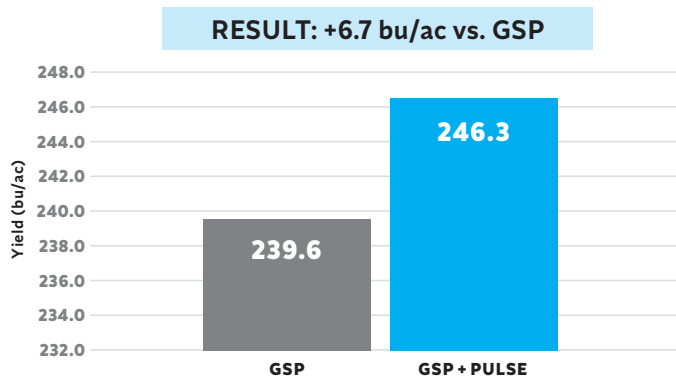


FIGURE 4. Nebraska trial corn yields



For more information visit
ProAcquaNutrients.com or CompassCrops.com.

©2019 Compass Minerals. All Rights Reserved. ProAcqua® and design are registered trademarks of Compass Minerals International, Inc. or its subsidiaries in the U.S. and other countries.