Nutrient Solubilizing
Technology

P1 PROLOGUE™

Lead into P1

PROLOGUE™ (5-0-0 6.3% Zn) is an at-planting technology designed to increase the efficiency of applied phosphate and existing phosphate in the soil. It also improves zinc availability to the growing crop.

By optimizing the performance of phosphorus-containing liquid fertilizers, **PROLOGUE** helps to enhance early germination and early crop growth, for improved plant performance throughout the season.

Many crops can benefit from **PROLOGUE**, especially those that do best with an early season application of liquid phosphate near the developing root system.

PROLOGUE is exclusively available from Nutrien Ag Solutions®.

Key Features

- Helps maintain a proper phosphorus-to-zinc uptake ratio for optimal crop physiological function
- Built with Nutrient Solubilizing Technology for enhanced phosphorus solubility
- Optimized for use with traditional phosphate products such as ammonium polyphosphate (10-34-0 and 11-37-0) or liquid phosphate containing blends

Key Benefits

- Improves the conversion of organic and inorganic liquid phosphorus fertilizer into plant-available forms
- Support key phosphorus and zinc needs
- Enhances germination and early growth
- Improves root growth and plant performance

Enhanced Phosphate Nutrition

PROLOGUE combines a highly available, chelated zinc source with unique Nutrient Solubilizing Technology to increase a crop's access to phosphate for a higher-performing and more sustainable approach to phosphate nutrition.

Highly Available Chelated Zinc EDTA

Supports the utilization of phosphorus in the plant and aids in the production of early season growth hormones and key proteins that help support quality and yield goals. Chelated Zinc EDTA is the most efficient and easily absorbed form by developing plants.

Nutrient Solubilizing Technology

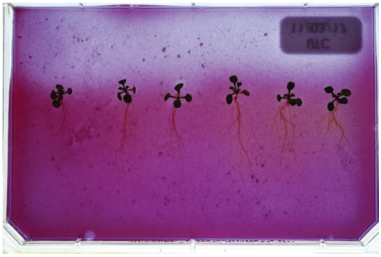
Combines specific root-colonizing bacteria and microbial metabolites that work together to provide greater availability of applied and soil bank phosphate early in the season so they are available to the developing crop.

Nutrient Solubilizing Technology Relieves Phosphorus Stress

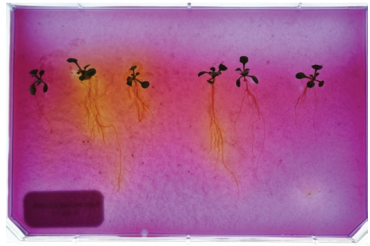
Enriches community of P-solubilizers in soil	✔
P-stress relief	✔
P-solubilization in soils	✔
Plant vigor enhancement	✔

Nutrient Solubilizing Technology Allows Plants to Utilize Unavailable Phosphorus

- Insoluble P source (hydroxyapatite) was solubilized only by roots of plants treated with Nutrient Solubilizing Technology (yellow color)



Control



Nutrient Solubilizing Technology

Nutrient Solubilizing Technology Enhances Plant Growth and Performance

Total leaf area: 0.20 cm²

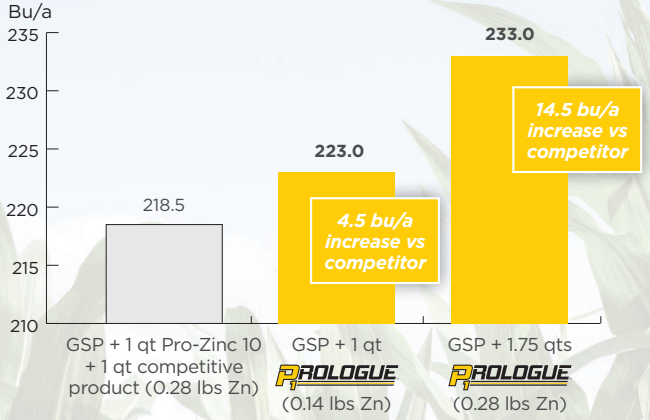
Water-only check
plus insoluble rock phosphate

Total leaf area: 4.89 cm²

Nutrient Solubilizing Technology
plus insoluble rock phosphate

Corn – Gibson County, IN

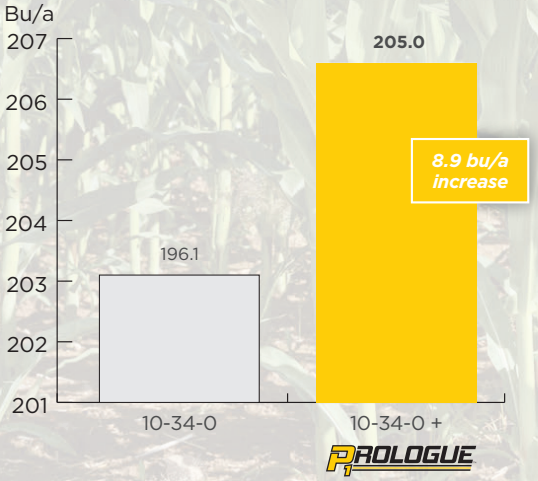
Prologue applied at 1 qt and 1.75 qts/acre;
GSP was 10 gals 10/34-0



Hybrid Dekalb 64-35RIB; Products applied via 2x2.

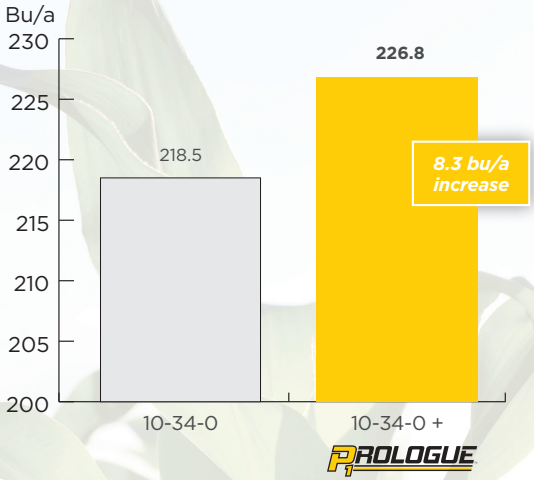
Corn (Average of 6 sites) – Sauk Centre, MN

Prologue applied with 10 gals 10-34-0 starter



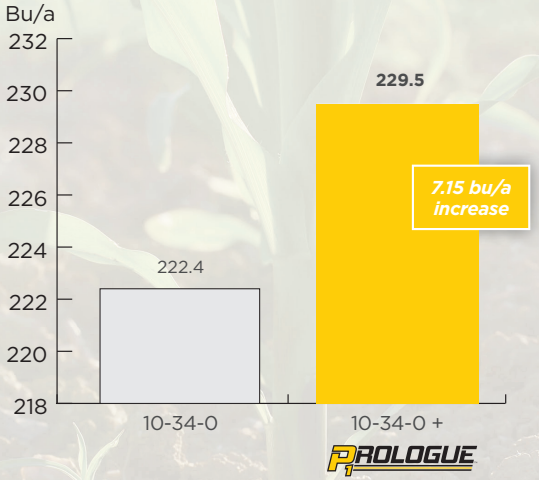
Corn – Oklahoma Panhandle State University

Prologue applied at 42 oz/acre; 10-34-0 applied at 5 gals/acre

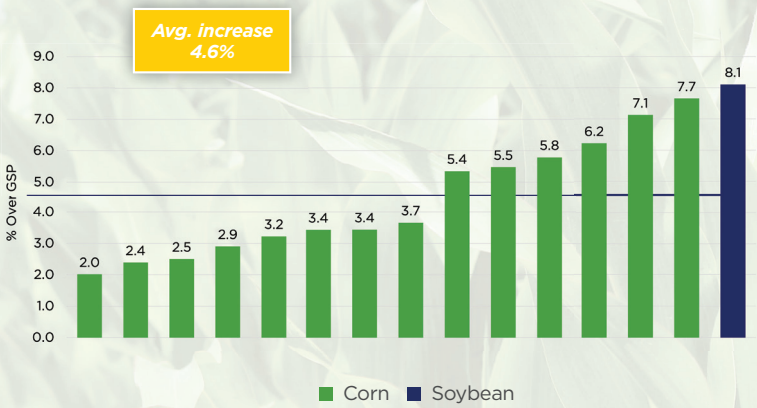


Corn – Bruce Research Farm, KY

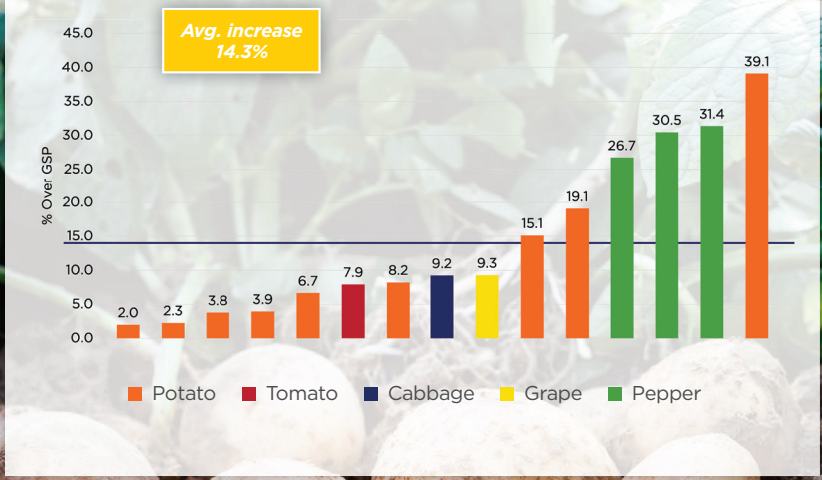
Prologue applied 2x2 with 10 gals 10-34-0

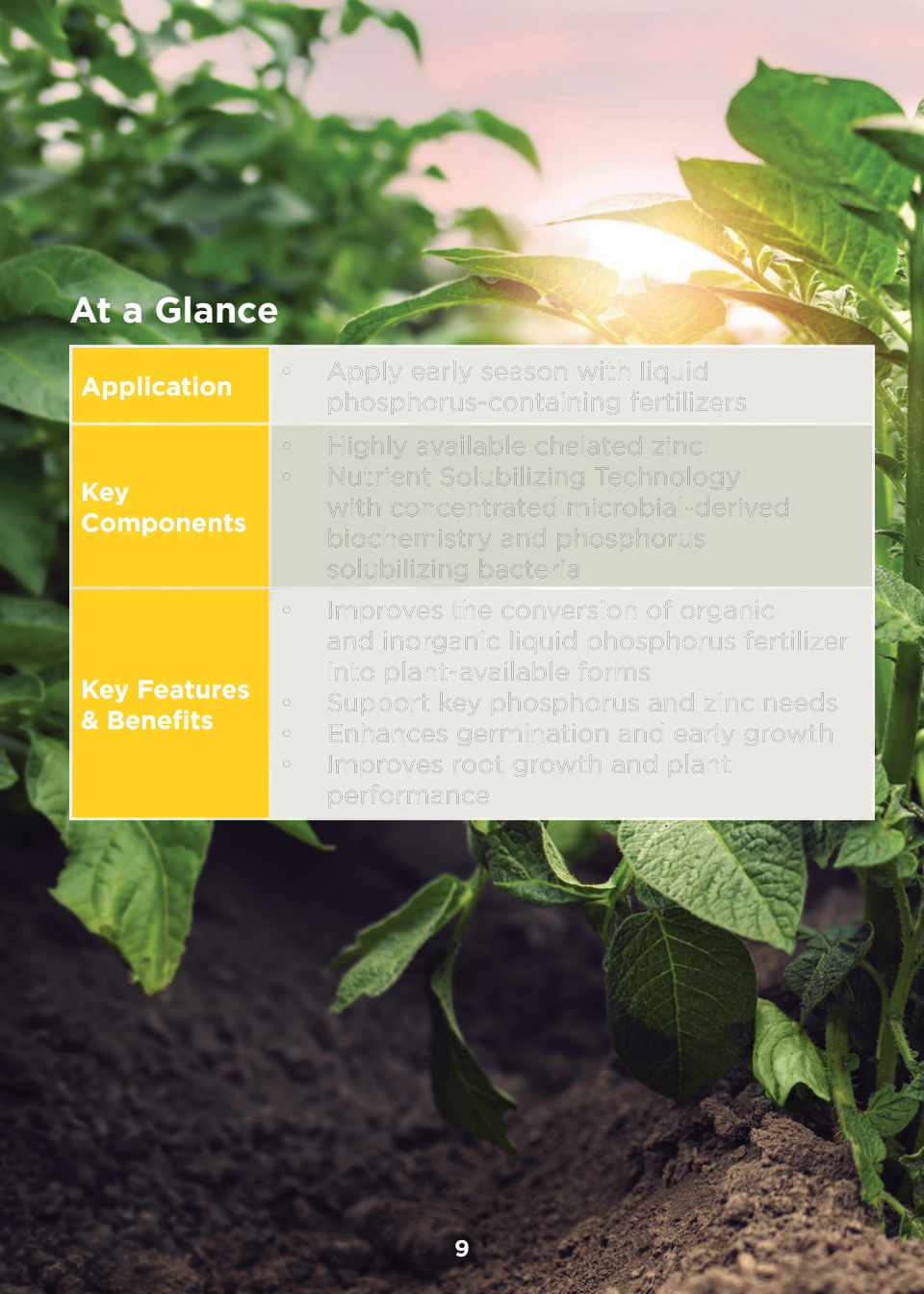


14 Corn and 1 Soybean Trial



15 Vegetable Crop Trials





At a Glance

Application	◦ Apply early season with liquid phosphorus-containing fertilizers
Key Components	◦ Highly available chelated zinc ◦ Nutrient Solubilizing Technology with concentrated microbial-derived biochemistry and phosphorus solubilizing bacteria
Key Features & Benefits	◦ Improves the conversion of organic and inorganic liquid phosphorus fertilizer into plant-available forms ◦ Support key phosphorus and zinc needs ◦ Enhances germination and early growth ◦ Improves root growth and plant performance

PROLOGUE™

Uses and Rates

Application	Rate	Notes
In-furrow or 2x2	1-2 quarts/ acre for most crops	Can be applied alone, with liquid phosphate fertilizers or with other compatible liquid materials.

NOTE: Please see PROLOGUE label for additional details.

For More Information, Contact Your Nutrien Ag Solutions® Retailer

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