PureGrade® Liquid Fertilizer

SLOW RELEASE NITROGEN PRODUCTS

THE IMPORTANCE OF SLOW RELEASE NITROGEN

Nitrogen deficiencies can occur throughout the growing season. Symptoms begin on the lower leaves and work upwards. Applying slow release nitrogen (SRN) encourages plant safety and reduces nitrogen leaching. SRN sticks to the foliage for an extended amount of time to supply nitrogen throughout the beginning growth stages. It is also compatible with most herbicides and fungicides acting as a carrier to meet nitrogen needs and treat environmental stresses.

Product & Analysis	Crops	Application Method	Use Rate (per acre)	# of Applications	Estimated Release Pattern	Density (lbs/gal)	Freezing Pt. (°F)
Over Pass® 22-0-2 22-0-2 + 1.0 S, 0.5 B (25% SRN)	Corn Wheat, barley, other grasses Vegetables	Foliar	4-8 quarts 4-8 pints 2-6 quarts	1-2	10-14 days	10.0	0
Over Pass® 10-2-10 10-2-10 + 0.5 B, 0.25 Mn (25% SRN)	Soybeans Alfalfa/hay Vegetables	Foliar	4-8 quarts 4-8 pints 2-6 quarts	2 After each cutting Every 14 days when nitrogen is needed	10-14 days	10.4	24
Super 72® 28-0-0 (72% SRN)	Field & row crops; fruits & nuts	Foliar	1-3 gallons	Multiple as needed	25-30 days	10.7	0
Super 25B® 25-0-0 + 0.5 B (25% SRN)	Field & row crops; fruits & nuts	Foliar	1-2 gallons	Multiple as needed	10-14 days	10.0	0

The Andersons®

For more information on these products and other available products, visit **ANDERSONSPLANTNUTRIENT.COM**

4R nutrient stewardship

ROLES OF NITROGEN

- Component of vitamins, amino acids, energy systems
- Increases protein content
- Mobile and moves to root surfaces for absorption

ROLES OF BORON

- Improves seed set under stressful conditions
- Important cell wall component
- Regulates sugars and starches

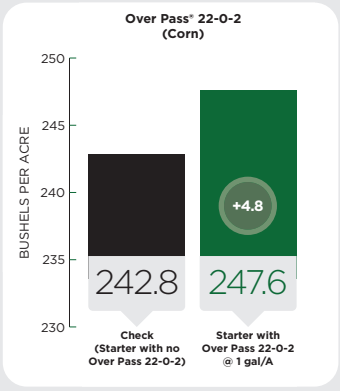
ROLES OF SULFUR

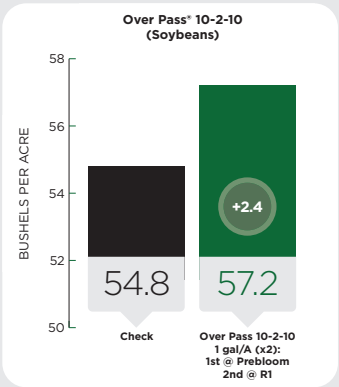
- Important in photosynthesis and winter crop hardiness
- Required for synthesis of certain amino acids and proteins

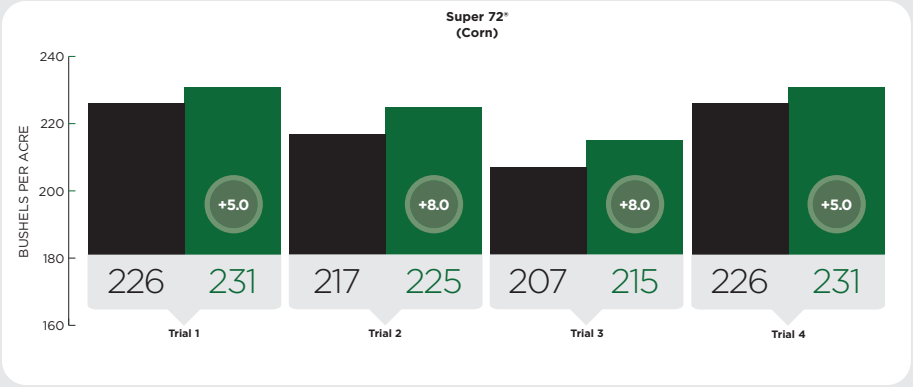
ROLES OF MANGANESE

- Plays vital role in photosynthesis by aiding in chlorophyll synthesis
- Soybeans and wheat require higher amount of Mn

RESEARCH







Summary (Top Left):
A 4.8 bu/A increase was seen in this Wisconsin field test. Season Pass® Plus liquid fertilizer was the starter application used on both treatments. The second treatment received 1 gal/A of Over Pass® 22-0-2 liquid fertilizer applied at the V5 stage. This led to a 4.8 bu/A increase over the check.

Summary (Top Right):
The first application of 1 gal/A was made pre-bloom. The second application of 1 gal/A was made at the R1 stage. The combination of the two applications pushed the yield 2.4 bu/A higher than check.

Summary (Bottom):
Foliar applied Super 72® resulted in significant yield response, showing a 5-8 bu/A increase over three years in four different locations.

FOR MORE INFORMATION

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