

## AT A GLANCE

# SUBSTAIN-N®

### Description

Substain-N® is a clear liquid fertilizer, delivering 60% slow release nitrogen to the plant through Urea Triazone. Substain-N® provides up to 90 days of controlled nitrogen to the plant and can be applied via foliar sprays or through fertigation practices. Substain-N® is primarily used on lawn, ornamental and turf grasses but can be used on all types of agriculture crops. It's compatible with other NPK Fertilizers and can be tank mixed with most herbicides, insecticides and fungicides, be sure to always jar test. When used correctly, it is superior to UAN for several factors: usable nitrogen to the plant, less off gassing and less leaching, increased yields and longer green in turf grasses, and lower salt index that has a lower burn potential than urea.

### Handling & Storage

- Store in a cool place out of direct sunlight
- Not compatible with acids or acidic materials, and Copper and Zinc alloys. Always conduct a jar test to verify compatibility
- For best results use within 1 year

### Functions of Nitrogen in Plants

- Mainly involved in photosynthesis
- Essential component of chlorophyll
- Promotes plant fruit set and vigor

### Symptoms of Nitrogen Deficiency

- Yellowing of leaves (oldest first)
- Poor/Stunted growth/reduced yield
- Overall less foliage canopy
- In turf grass, yellowing starts at the tips and leaf blades become pale or light green in color

### Availability

Bulk or IBCs

The data presented herein are believed to be accurate but are in no way guaranteed. TradeMark Nitrogen Corp. makes no warranties, express or implied, that any of the above data is fit for any particular use and expressly disclaims all oral warranties of any kind.

30%

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## SLOW RELEASE NITROGEN

### Chemical & Physical Properties

pH	9.0 - 11.0
Salt-Out Temperature	0°F (-17°C)
Color	Clear or Colorless
Odor	Slightly Amine/Ammoniacal Odor
Weight per Gallon @ 60F (15.5°C)	10.50 lbs./gal (1.25 kg/L)
Gallons per Ton	190.47 gal/ton

### Typical Analysis

Total Nitrogen (N)	30.0%
12.0% Urea Nitrogen	
18.0% Other Water Soluble Nitrogen	

\*18.0% slowly available nitrogen from urea triazone



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