



NutriSphere-N[®] (N-N[®]) stabilizes nitrogen fertilizer with long-lasting protection against all three types of nitrogen loss: Volatilization – Denitrification – Leaching

- Labeled for all crops with no restrictions.
- Reduces caking and crusting after application on urea
- Can be pretreated on urea or mixed with liquid nitrogen fertilizers
 - o Shelf life of NutriSphere-N is indefinite.
 - o Pretreated nitrogen fertilizer with NutriSphere-N will store indefinitely without any loss or degradation to the polymer if kept dry.

Formulations for granular nitrogen fertilizers:

- **NutriSphere-N QDO for Granular** (quick dry orange), orange in color and typically dries in 1 minute*
 - o NutriSphere-N QDO can be applied to a 75% urea 25% AMS blend
- **NutriSphere-N QD for Granular** (quick dry), has no color and typically dries in 2 minutes*
- **NutriSphere-N for Granular**, has no color and typically dries in 5 minutes*

Rate for all formulations: 2 quarts per ton.

- Drying times will depend on humidity, source of fertilizer and mixing speeds. An additional one to two minutes extra may be required in certain conditions.*
- Adding dyes or other materials that contain heavy metals may create an adverse reaction with NutriSphere-N. Always conduct a jar test first.
- Do not mix different formulations of NutriSphere-N in the same vat or run NutriSphere-N through impregnator lines that have not been flushed from a previous product.
 - o DO NOT use the same lines to run AVAIL and NutriSphere-N QDO.

Formulation for liquid nitrogen fertilizers:

- **NutriSphere-N for Liquid**, has no color or just a light brown tinge once mixed in solution

Rate for NutriSphere-N for Liquid: 2 quarts per 100 gallons of total solution or .5% volume

- Can be mixed with ATS, Zinc, and crop protection chemicals. Mix NutriSphere-N with Nitrogen before adding other ingredients to the mix. Do not let NutriSphere-N concentrate come into direct contact with ATS or Zinc before being diluted.

Gals UAN/A	10	20	30	40	50
Oz N-N/A	6.4	12.8	19.2	25.6	32

Weights (Lbs./Gal.): QDO- 9.2 QD- 8.8 Granular- 10.4 Liquid- 9.8

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*Notwithstanding anything stated herein drying times are affected by environmental, climate and fertilizer conditions. Consequently each user of SFP products should test and confirm drying times in their individual settings.
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AVAIL® reduces phosphate fixation on applied phosphorus for 10 to 12 months in the soil.

- Formulations for both Liquid and Granular P fertilizers.
- Labeled for all crops.
- Can be pretreated on dry fertilizer or mixed with liquid fertilizer.
 - o Shelf life of AVAIL is indefinite.
 - o Pretreated P fertilizers with AVAIL will store indefinitely without any loss or degradation to the polymer if kept dry.

Formulation for granular phosphate fertilizers: (DAP, MAP, MESZ)

- **AVAIL for Granular**, adds no color to fertilizer, typically dries in 5 minutes*

Rate for AVAIL Granular: 2 quarts per ton or .25% volume.

- Drying time will depend on humidity, source of fertilizer and mixing speeds. An additional one to two minutes extra may be required in certain conditions.
- Adding dyes or other materials that contain heavy metals may create an adverse reaction with AVAIL. Always conduct a jar test first.
- Do not run AVAIL thru an impregnator or lines that have not been flushed from a previous product.
 - o DO NOT use the same lines to run AVAIL and NutriSphere-N QDO.

Formulation for liquid phosphate fertilizers: (10-34-0, low salt starters, 4-10-10, 7-24-4)

- **AVAIL for Liquid**, adds no real color to the solution once mixed

Rate for AVAIL for Liquid: 2 quarts per 100 gallons of total solution or .5% volume

- Can be mixed with crop protection chemicals, zinc and other additives. Add AVAIL to the P fertilizer before adding other ingredients to the mixture. Don't let the AVAIL concentrate come into contact with zinc or chemicals before they are diluted.

Weights (Lbs./Gal.)

Granular- 10.8 Liquid- 9.8

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