

AMMONIUM NITRATE SOLUTION – 21%

Description

Ammonium Nitrate (AN) Solution - 21% consists of pure ammonium nitrate and water. A fast acting nitrogen source from Ammoniacal and Nitrate Nitrogen that can be applied directly to the soil or through irrigation water.

Handling & Storage

Ammonium nitrate solutions should be stored in stainless steel or other corrosion resistant tanks. Pipe lines and fittings should be of similar materials. These solutions must be stored above their salting-out temperatures. Always conduct a jar test with new tank mixes to verify compatibility.

Function 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

Shipping

Ammonium Nitrate Solution – 21% is classified as a non hazardous material by the US Department of Transportation.



Chemical & Physical Properties

CAS Number	6484-52-2
pH	6.0 – 7.0
Molecular Weight	N/A
Specific Gravity @ 68°F (20° C)	1.287
Salt-Out Temperature	51°F (10.5°C)
Color	Clear
Odor	Little to no detectable odor
Weight per Gallon @ 60F (15.5°C)	10.73 lbs/gal (1.29 kg/L)
Gallons per Ton	186.39

Typical Analysis

Total Nitrogen (N)	21.0%
10.5% Ammoniacal Nitrogen	
10.5% Nitrate Nitrogen	
60%	60.0%
Free Ammonia	< 0.02%
Water (Approx)	40.0%

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.



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