

Urea Ammonium Nitrate



columbia
river
nitrogen llc

UAN Fertilizer Solution 32-0-0

Product Description –

Columbia River Nitrogen's Urea Ammonium Nitrate (UAN) is a solution of approximately 35% urea, 45% ammonium nitrate and 20% water. The three different nitrogen forms in UAN make it more efficient than urea only fertilizer because it promotes absorption and utilization of nitrogen, is less susceptible to nitrogen loss from volatilization and generally has lower soil nitrogen residue.

Properties	SDS#1138
Urea (% wt.)	33.3-37.8
Ammonium Nitrate (% wt.)	41.0-47.0
Water (% wt.)	19.7-21.1
Corrosion Inhibitor (% wt.)	0.03-0.05
Density @ 68°F (lbs/gallon)	11.06
Salt-out Temperature (°F)	32-40
Ammonium Nitrate to Urea Ratio	1.08-1.41
Total Nitrogen (N)	32%
7.75% Ammoniacal Nitrogen	
7.75% Nitrate Nitrogen	
16.50% Urea Nitrogen	
Derived from Ammonium Nitrate and Urea	

Applications & Uses

Uniform and Flexible Application – This highly versatile fertilizer can provide uniform applications by spraying, fertigation or direct soil injection.

Compatibility – UAN is compatible with many fertilizers and crop protection products, allowing it to be combined for more efficient application.

Lower Volatilization Risk – UAN is less prone to leaching and volatilization than urea alone when applied properly.

The high nitrogen content of this fertilizer (32%) will kill foliage if not diluted.

Storage & Handling

Avoid temperatures above 212°F, which may result in evaporation, thermal decomposition or explosion.

UAN will decompose into ammonia, carbon dioxide and nitric acid at 237°F.

Never heat a dried UAN solution, especially when confined.

For more information, see the safety data sheet.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>
For detailed specifications, safety data sheets, or application guidance please contact us at: columbiarivernitrogen.com