



BIONiK

BROADACRE LIQUID INJECT, FOLIAR & FERTIGATION UAN/SYNTHETIC-N BUFFER

BIONiK™ Bio-Active UAN/Synthetic-N Buffer

Low Nutrient Soils with a poor Cation Exchange Capacity, Low Organic Carbon and Low-end pH do not cope well with Synthetic Nitrogen. Plants get stressed, beneficial soil biology gets suppressed by a faster-breeding N-consuming bacteria and the kilo conversion of your added-nutrition becomes very inefficient. Soil Structure and Fertility is progressively undermined as Synthetic-N also promotes the net-loss of Organic Matter, Soil Carbon and all the usual sources of naturally built Organic Nitrogen. It's a potential trap that can lead to an ever-building demand for more Nitrogen to grow the same results. Synthetic-N also leaches into waterways easily, is pest attracting and often prone to atmospheric volatilisation as Nitrous Oxide; unlike Organic N or a chemically-stable 'Naturalized' N. BIONiK™ changes the structure and composition of UAN/ Synthetic-N to a much more complex and buffered carbon-rich composite that mimics Organic-N and becomes a soil and plant friendly "Naturalized" Nitrogen. No net-loss of Carbon, Soil Structure or Fertility. Larger molecule Nitrogen and Organic elements are bonded to become far more stable and useful and to remain where you placed them! High-Analysis Synthetic Fertiliser needs to get Clever! The far smarter Nitrogen/Nutrition is very BIONiK™.

Recommended Dosage Rates:

● APPLY 10-15% W/V TO UAN/Liquid-N

eg: 900 Litres UAN; 100 Litres BIONiK = 11% DOSAGE RATE

NOTE: 10-15% w/v REQUIREMENT BASED ON 40% N w/v

Use BIONiK™ to make UAN/Synthetic-N Very Soil Friendly and Totally Plant Compatible. Significantly Improve the Function and Efficiency of N in Cases of -

- Low SOC (Soil Organic Carbon)
- Low CEC (Cation Exchange Capacity)
- Low Microbial Activity / Non-Wetting Soil Profile
- Sandy and Sandy/Loam Soil Profile
- Extreme Soil pH (Acid/Alkaline)
- Extreme Soil Exchangeable Hydrogen
- Soil - Salt Affected (3%+)
- Water - Salt Affected (Irr/Fertigation)
- Heavy Metals Affected
- Compacted or Anaerobic Soils



TYPICAL ANALYSIS	%w/v
Ferti-FISH Emulsion	35.0
AGROCARBON	20.0
B/STRAP Molasses	10.0
FULVIC ACID	2.0

Naturally Potent Chelators, BioStimulants and Reactive Carbon-based Buffers to 'Naturalize' UAN/Synthetic Nitrogen.

BIONiK CARBONISED OILS & NATURAL FATS STOPS LEACHING & VOLATILITY (LAB-TESTED 105C). SUPERIOR LUBRICATION OF EQUIPMENT PREVENTS CHEMICAL WEAR & ABRASIVE DAMAGE.



BIONiK BUFFERS UAN/SYNTHETIC-N QUICKLY!

BIONiK™ FOLIAR-N ALSO BUILDS UP BIOLOGY!

- Ferti-Fish Emulsion stimulates beneficial microbial action on all leaf surface areas.
- Fulvic Acid bonded and carbon-chelated Nitrogen is highly Phloem Effective.
- Higher Plant Brix Status maintained with complexed Nitrogen far more balanced.