Formulated active Nitrification Inhibitors
Enhanced Nitrogen uptake with formulated Nitrification Inhibitors Solutions

What is DeltaLent™ technology?

- **Problem**: Nitrate (NO$_3^-$) is prone to leaching in soil.
- **Solution**: DeltaLent™ delays the conversion of ammonium (NH$_4^+$) to nitrate (NO$_3^-$).
- Stabilizes Ammonium Nitrogen: reduced nitrogen losses in nitrate.
- More available nitrogen to plant.
- Less nitrate accumulation in plants.
- Improves crop quality by balancing ammonium and nitrate nutrition.
- Leads to a more energy efficient NH$_4^+$ based N-nutrition.
- Less fertilizer applications: “feed and forget”.
- Environmental benefits: lower greenhouse gases and nitrogen leaching.

N-stabilized ready-to-use solution for fertigation and slurry:

- Easy to use additive to mix with all current fertigation products (UAN, liquid fertilizers, soluble salts)
- Suitable for slurry additive to enhance the nutritional value of the slurry
- Homogenous distribution due to liquid formulation

Benefits of DeltaLent™ – Ammonium (NH$_4^+$) Nutrition

- Energy savings by Ammonium-N-nutrition (no biological reduction of nitrate required).
- Enhanced flowering (ammonium promotes synthesis of phytohormones and polyamines).
- Ammonium nutrition favours root growth.
- Ammonium based nutrition can help to reduce nitrate levels in fresh produce.
- Use of DeltaLent™ results in deeper green colouring in leafy salads and vegetables.

ATP = Adenosine triphosphate