

# Seasonal Product Focus

**No Urea?  
No Problem.  
Rethinking Nitrogen  
in a Volatile World**



Who would have thought that global conflicts and geopolitical tensions would have such a direct impact on farming in Southern Africa?

Yet today, farmers are facing exactly that.

From the Middle East to Russia and China, disruptions to oil, energy, and fertiliser supply chains are driving sharp increases in input costs – and in many cases, outright shortages of key products like Urea, LAN, MAP, and other nitrogen-based fertilisers.

For South African farmers, the challenge is twofold:

- Rising prices
- Uncertain availability

And perhaps most concerning – South Africa is a relatively small buyer in global markets, often placing us at the back of the queue when supply is constrained.

## Why Nitrogen is in the Spotlight

Nitrogen remains one of the most critical nutrients in modern agriculture.

Between 2019 and 2023, nitrogen-based fertilisers accounted for:

- 56% of total fertiliser import value
- 64% of import volume

This highlights just how dependent our farming systems have become on external nitrogen inputs. But it also raises an important question

 **Is there a more resilient way to supply Nitrogen to Crops?**

## The Hidden Risk of Conventional Nitrogen

Traditional nitrogen sources like Urea and LAN are effective – but they come with challenges:

- High losses through volatilisation and leaching
- Short-term availability with limited residual benefit
- Increasing cost volatility linked to energy markets
- No contribution to long-term soil health

In many cases, farmers are paying more... for less efficient results.

## A Smarter Approach: Biological Nitrogen Systems

Rather than focusing only on applying nitrogen, leading farmers are shifting toward building nitrogen systems in the soil.

This includes:

- Feeding soil microbial life
- Supporting natural nitrogen cycling
- Improving nutrient retention and efficiency
- Reducing dependency on synthetic inputs over time

This is where organic and biologically active fertilizers offer a powerful alternative.


## Turning a Challenge into an Opportunity

At Talborne Organics, we have spent over 25 years developing high-performance, natural nutrient solutions that support both crop productivity and soil health.

**Our approach focuses on what we call a “Five-in-One” benefit system:**

- Sustained nitrogen release through natural sources
- Improved microbial activity and soil biology
- Increased organic carbon levels
- Enhanced nutrient efficiency and uptake
- Reduced application frequency and input costs over time

In simple terms:

 **You're not just feeding the plant – you're building the soil system that feeds the plant.**

## Organic Nitrogen Solutions for Modern Farming

### Granular Nitrogen Solutions:

#### [Vita Nitro Boost \(8:1:1\)](#)



A high-nitrogen organic fertilizer ideal as a replacement for Urea or LAN. Supports rapid vegetative growth, chlorophyll production, and microbial activation.

### Liquid Nitrogen Solutions (Fertigation & Foliar Feeding) [Nourish 7:1:2 \(Leafy Greens\)](#)



A plant-based liquid nitrogen source designed to replace UAN – promoting strong vegetative growth and chlorophyll production.


## Why This Matters for Your Farm

By shifting toward organic nitrogen systems, farmers can:

- Reduce reliance on imported fertilisers
- Improve nitrogen use efficiency
- Build healthier, more resilient soils
- Lower long-term input costs
- Protect against supply chain disruptions


## The Bottom Line

Nitrogen is not going away – but how we manage it is changing.  
The current global situation is not just a challenge.

 **It's an opportunity to build more resilient, efficient, and sustainable farming systems.**

## Let's Find the Right Solution for Your Farm

Every farm is different – and Nitrogen strategies should be tailored accordingly.

 **Speak to our Talborne Organics Team** to develop a Nitrogen Strategy that suits your crops, soils, and production goals.

## Healthy Farms = Healthy Futures

**Contact Our  
Talborne Team**



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