a'Round The Traps'

Why use Reactive Carbon
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April 2026

Why blend Reactive Carbon into fertiliser?

Improves nutrient efficiency, drives microbial activity, enhances soil structure, Buffers synthetic fertilisers, high Sodium and Chloride areas - just to cover some of the key benefits.

How it's typically done

Granular blends

- Carbon coated onto fertiliser granules (CC-StaK)
- Or physically blended with Granular Fertiliser (RCG)

Liquid Inject

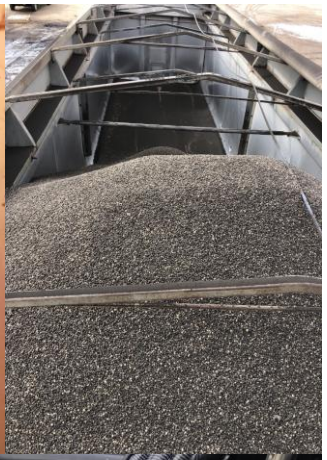
- Carbon injected directly into the "grow zone" (Ferti-Tech Liquid Inject)
- Often more biologically effective due to uniform distribution (Products are situation specific)

Foliar Application (BIONiK)

- Mainly to Buffer and increase efficacy of UAN/Easy N/Flexi-N

Where it works best

- **Sandy or low organic matter soils** → biggest response
- **High-input systems** → improves fertiliser ROI
- **Biological/Regenerative systems** → essential component
- **Liquid Inject fertigation programs** → highest efficiency



CIRCULAR ECONOMY ADVANTAGE

This is a big one for Ferti-Tech with another Point Of Difference

We all know the benefits of Humus Compost done properly, this year we have seen more and more farms incorporate Humus Compost into their programs, building on the gains from the previous year. Like many projects and inputs that Ferti-Tech are working on, its all derived from a Circular Economy, is readily available and keeps input costs down. So you don't have to rely on products coming on a ship from the other side of the world… (Available VIC/SA/NSW/TAS)

Vita-Lik Stocklik Range

Its amazing how many farmers who have livestock that get Pinkeye, still haven't yet tried our Vita-Lik range.

Vitamin A plays a much bigger role in livestock health than many people realise—especially when you're relying on a mineral lick block to deliver baseline nutrition.

The Vitamin A family

- **Retinol** → the primary circulating and storage form (what we usually mean by Vitamin A in nutrition)
- **Retinal (retinaldehyde)** → used in vision
- **Retinoic acid** → regulates gene expression, growth, and immunity

These are all called **preformed Vitamin A** (typically from animal-based sources or synthetic additives in supplements and lick blocks).

Livestock don't just rely on retinol directly:

- **Beta-carotene (from green pasture)** → converted in the animal → **retinol**
- Fresh pasture = high beta-carotene
- Dry feed/hay = very low → this is where deficiencies creep in

Vision and grazing behaviour

Vitamin A is essential for proper eye function. Deficient animals often show night blindness, which reduces grazing time and overall intake—something you won't always pick up straight away in the paddock.

Immune function

It supports the integrity of epithelial tissues (skin, gut lining, respiratory tract). In practical terms, that means:

- Better resistance to respiratory disease
- Stronger gut barrier (important for rumen and parasite resilience)

Reproduction and fertility

- Improves conception rates
- Supports embryo development
- Reduces early embryonic loss
- Deficiency can quietly cost productivity without obvious symptoms

Growth and weight gain

Vitamin A influences cell differentiation and bone development. Low levels can lead to:

- Reduced growth rates
- Poor feed conversion

Skin and tissue health

Healthy skin, hooves, and mucous membranes all rely on adequate Vitamin A.

Why include it in a lick block?

In theory, grazing animals get Vitamin A from **beta-carotene in green pasture**. But in real-world systems:

- Dry pasture, hay, or silage = **very low Vitamin A**
- Drought or summer feed gaps = **deficiency risk spikes**
- Stored fodder loses Vitamin A quickly over time

That's where a lick block becomes a **low-labour insurance policy**—maintaining baseline levels when pasture isn't doing the job. We also have a well proven and developed oral drench formula that can be administered to stock via a drench gun if you have done no preparation and prevention throughout the year to manage Pinkeye.

Carbon Systems Agronomy (Ferti-Tech Australia)

MasterClass is a structured 2026 course designed for individuals seeking a deeper understanding of soil health and sustainable management practices.

The program includes comprehensive pre-course reading, a detailed 350-page manual, and a series of guided online modules.

Participants are supported throughout their learning journey with remote, self-paced delivery, backed by direct access to the Ferti-Tech team via Email, Messenger, and Microsoft Teams for ongoing communication and guidance. Contact us to register your interest or to find out more.

Don't take any shortcuts, It's more important than ever to take control of your decision making on farm, it's worth it, know why and how things happen, because everyone else who you ask will just give you another different opinion.