



**FERTI-TECH**  
Australia Pty Ltd

# Pasture & Dairy



Soil Fertility Programs

Pasture Improvements

Solid & Liquid Fertilisers

Foliar & Trace Options

Animal Health



Ferti-Tech



Phloem  
Effective  
Foliar

TM

## Productive, Sustainable and Cost Effective FERTI-TECH CARBON SYSTEMS AGRONOMY

We pride ourselves on being the best for service, quality and price.  
So if you're looking for a better quality farming program with high  
performance product, at a better price and a better spec.

**Check with Ferti-Tech!**





## Welcome to Ferti-Tech Australia

We manufacture and supply quality fertilisers, foliars, supplements and inoculums to ensure the most cost effective and productive farming outcomes.

Ferti-Tech Australia (FTA) delivers **CARBON SYSTEMS AGRONOMY**, a totally sustainable farming science that minimises soil harm and maximises input efficiencies. We have the experience, the expertise and dedicated service to increase your farm profitability without having to sacrifice soil health and fertility.

**Better Soil, Crops and Profit - You Can Measure and See!**

## Step 1 - Better Soil & Fertility Management

### Soil & Tissue Testing for Informed Decision Making



The best pastures are built on an informed understanding of soil physical, chemical and biological principles. We can help you find the right raw materials and supply options for soil balancing, unlocking nutrient, humus formation and beneficial microbial stimulation. Our recommendations maximise the most cost-effective options and can include Lime, Gypsum, Dolomite, Peat, Basalt and Soluble Active Carbon. FTA may use prescription soil manufacturing, composting and inoculum alternatives, Urea, MAP, DAP, SOA, Cal Nitrate, Various Sulphates, and a wide range of Trace Elements.

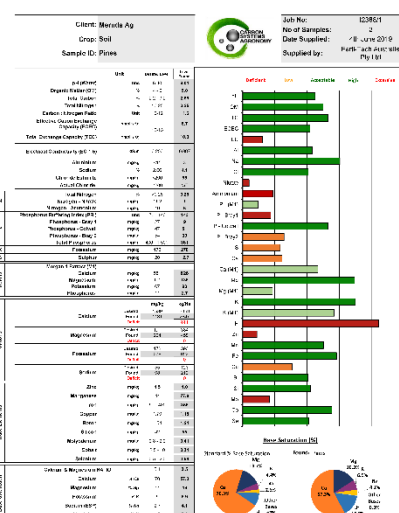
**FTA focus on creating Brix-Rich (sugar) pastures for optimal grazing productivity.**

The Quality always shows in the Sales Yard - High Brix, Nutrient Dense Pastures deliver

- ✓ Faster Weight Gains
- ✓ Less Energy Expenditure
- ✓ Better Rumen Function
- ✓ Stronger Overall Herd Health
- ✓ Improved Resistance to Disease
- ✓ Greater Root Mass and Depth
- ✓ Increased Microbial Activity
- ✓ More Dung Beetles and Earthworms
- ✓ High Water Efficiency/Drought Tolerance



#### SOIL TEST RESULTS



## Step 2 - Soil & Seed Treatments

### Ferti-CarbonCal™ Soil Amendment for Quick Release Calcium

Calcium is the 'King of Nutrients' and Ferti-CarbonCal™ is a blend of Calcium Hydroxide, Calcium Carbonate and water soluble Active Carbon for an immediate increase in Soil Exchange Capacity and long term Calcium availability. Ferti-CarbonCal™ releases fast acting and soluble Calcium into soil 10X faster than normal Lime. All plants and animals rely on a strong Calcium status for natural vigour and health. Use directly or blended with other Soil Amendments like Gypsum, Dolomite, Manures, Compost or Reactive Carbon (subject to soil amendment planning) for better soil balancing. CarbonCal™ 'cuts to the chase' when Calcium is needed to improve yield and fertility.

### Ferti-Seed Enhancer Broad Spectrum Nutritional Seed Coating

The best value, high analysis and smartest fertiliser decision any farmer can make. Ensure a fast and assured success with Optimal Seed Strike and Grass Growth for 4-6 weeks post emergence. The most cost effective insurance for germination; better root mass and a jump start performance. Ferti-Seed Enhancer stimulates plenty of lateral root growth for stronger anchoring and an earlier progress to new pasture grazing – by several weeks.

**Ferti-Seed Enhancer and Ferti-CarbonCal™ provide a Distinct PASTURE QUALITY and ROOT MASS advantage in low or zero fertilizer plans.**



**2006 Independent Trials**  
Ferti-Seed Enhancer No 1. for Root Surface, Root Mass & Sap Phosphorus Productivity



## Step 3 – Carbon Active Fertiliser & Fertiliser Catalysts

### Soil Nitrogen Efficiency & Feed Quality Testing



To remain at maximum efficiency, Nitrogen needs Aerobic Microbes (with soil oxygen), Plant Energy - Sugar (carbohydrate and carbon fuel), Molybdenum (sufficient nitrate reductase enzyme), Optimal Ca/Mg Ratio and Optimal Phosphorus (nitrogenase enzyme reaction).

#### Make the Most of your Nitrogen Fertiliser!

Use it judiciously in smaller applications, more often. Apply it with a chelating, active carbon source. Apply to an aerobically rich (O<sub>2</sub>) and moist soil. Apply it in the most plant efficient forms possible. Promote soil conditions that increase the amount of "Free" atmospheric Nitrogen being fixated. Keep Soil at Optimal Calcium, Phosphorus, Iron and Molybdenum Levels for Best Synthesis. Promote Plant Sugar Dumping and make good use your Brix Meter for monitoring! FTA focus on Nitrogen Efficiency and Long Term Availability. It is not hard or expensive to keep your Nitrogen Inputs (Liquid or Solid) far more soil friendly, plant friendly and in the right forms for Maximum Productivity.



#### FTA Carbon Systems Agronomy

promotes the sustainable increase in plant root exudates and a significant Rhizosphere expansion. Many beneficial organisms will increase nutrient solubilisation in such a positive growing environment. **Bacillus Polymyxa** for nutrient release and nitrogen fixation. **Bacillus Subtilis** for organic nitrogen release, phosphate and potassium decomposing and soil-borne pathogen protection. **Azotobacter Chroococcum** for nitrogen fixation and growth **Trichoderma Harzianum** to enhance organic degradation, nutrient update and resistance to pathogenic rhizoctonia.



#### Ferti-PastureUP<sup>tm</sup> Carbon Active Hi-Analysis Blend

Trace Included Pasture Fertiliser that has far more to offer the soil and a bonus to animal health! Spreads easily as a DRY WEIGHT product and is not subject to the "wet content" issues of some Bio-Mixes.

#### Ferti-Nitrogen 40+ Trace Carbon Active Hi-Analysis Nitrogen Fertiliser

Very High Nitrogen Granular Fertiliser Mix specifically formulated to grow a better quality Hay, Pasture and Silage with a much higher Carbon Active nutrient ability. Ferti-N40+ builds Green Mass and Brix Levels while still maintaining a very high Nitrogen Productivity Input. The Reactive Water Soluble Carbon with Trace Addition combines to help create a longer lasting Nitrogen effect. The proven fast-acting penetration and Nitrogen stable properties of Ferti-N40+ continue to work all year round for improved grass growth and soil fertility.



#### "New Seasons" Carbon Active Hi-Analysis Pasture & Silage Fertiliser Blend

High Analysis that stays available for longer with Key Traces and Carbon Active support that provides a fertile area for root systems, microbes, oxygen and water to interact more successfully in a highly productive aerobic environment.



#### Spring Haymaker Carbon Active Hi-Analysis Pasture & Silage Fertiliser Blend

Spring Haymaker does a lot more than grow a lot of pasture. Unlike other Fertiliser Blends, Spring Haymaker is fully Carbon Active and aids aggregation and conductive balance in the soil increasing space and separation between soil particulates.





## Ferti-Fulvic™ 85% Bio-Fulvic Acid 98% Water Soluble Powder

Fulvic Acid has a similar microbial stimulation property to Humates but it also carries the added ability of mixing and chelating far better with liquid fertiliser. Fulvic Acid aids Oxygen Accumulation, Microbial Stimulation, Soil Detoxification, Nutrient Mobilisation, Mineral Solubilisation, Enzyme Facilitation and Increased Plant Respiration.

## Step 4 - Key Foliar & Trace Mineral Options

### NitroPhos

Phosphorus, Potassium and Trace Foliar

NitroPhos harnesses the upfront strength and energy of Phosphorus in a longer lasting and highly plant available format. Complexed with Potassium, Zinc, Manganese and other Trace Elements. NitroPhos is a Nitrogen Growth Formula that also contains modified carbohydrates and organic surfactants to ensure an effective nutritional transfer and improved root action. NitroPhos provides Phosphorus for Better Root Formation for growth, energy and respiration, resistance to pests and disease. The Sulphur, Zinc and Manganese (supporting Phosphorus) also improve chlorophyll production, CO<sub>2</sub> synthesis, root development and sugar build. Uptake of Boron and Molybdenum assists enzyme and amino acid systems and specifically promote Calcium and Nitrogen uptake.

### Ferti-CarbonStar™

All Pasture Foliar Fertiliser



Use Ferti-CarbonStar™ to Maximise Pasture Quality, Sap Nutrient density, and deliver a wide array of vitamins, minerals, nutrients and energy directly into pasture. This All Purpose formulation is very Complete - Nutrient Dense - Growth Formula that contains natural sugars, acids and plant growth hormones to stimulate larger crown formation and tillering development in grasses and pasture herbage. Ferti-CarbonStar™ has Amino Acids (including Lysine) and Selenium support at Significant Levels.

- ✓ Amino Acids are critical to the proper functioning of life and nutrition. Lysine plays a major role in Calcium absorption and to buffer Nitrogen Burning.
- ✓ Strong with Selenium for improved health, immune function and fertility.

### Ferti-PK Max

13P-30K Very High Analysis Pasture Fertiliser

Ferti-P-KMax™ can be used to replace solid Phosphorus and Potassium applications in all pasture settings. Soil chemistry lockups and antagonists are bypassed with chelated high analysis PK Max™. Nutrition is delivered directly to plants for a bigger growth, energy and fertility response. Ferti-P-KMax™ can be used with UAN as the base fertiliser on which other key elements are applied (subject to tissue test) or in circumstances where a solid fertiliser application has failed to provide sufficient growth and vigour to the crop. Poor germination, slow root development, stunted leaf growth, reduced flowering and other adverse cropping events can be recovered with timely application

### Targeted Trace Element Support

Ferti-Tech has developed a complete range of Trace Minerals and Elements for Key Nutritional Foliar Support. Choose from Phloem Effective Calcium, Boron, SuperK33, Copper, Zinc, Manganese, Nitrogen Complex, Magnesium, Fish Emulsion and Fulvic Acid. Contact us for advice on compatibility and recipe work.

## Focus on Animal Health

Ferti-Tech also offers several other products that are suitable for use in the bale as a natural tonic or focused supplement. For improved conception rates and fertility we recommend Certified Organic FTA Liquid Kelp and for all-purpose feed utilisation and rumen efficiency FTA RumenACT™

## Ferti-SprayMate

Simple, Effective and Low Cost  
Fertiliser Adjuvant or a Soil  
Fertigation Aid for use with  
Liquid Nitrogen (UAN)

The Phloem is the all important vascular system that transfers fluid nutrient into the roots, stem, leaves (and grain) for continued growth and development. A truly effective Nutritional Foliar must penetrate the Stomata and Waxy Leaf surface layers, transfer across the Mesophyll to the Phloem and travel up and down through the Phloem Sieve Tubes. Truly Phloem Effective also means providing the right form of Nutrition that does not cause more cellular damage or consume plant energy.

