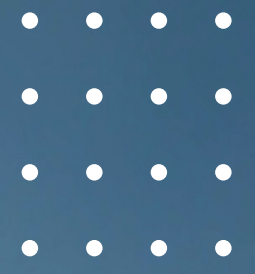


Revival

Crop Nutrition



plant nutrition the way **nature** intended

Company
Profile
2022

Navigation



Please look out for clickable links





Our Vision

Revival Crop Nutrition aims to bring new life to the plant nutrition industry . . . to change the way the industry approaches crop nutrition and consequently:

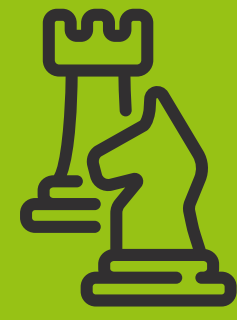
- reducing input costs
- Increasing yield & nutritional value of produce
- improving water and nutrient use efficacy
- building soil carbon over time
- reducing / eliminating chemical residues on crops

REVIVAL

/rɪˈvʌɪv(ə)l/

an improvement in the condition, strength, or fortunes of someone or something.





Our Strategy

To promote maximum energy levels in crops by:

- eliminating energy consuming practices
- stimulating a healthy soil environment
- establishing a "metabolite" nutritional system to replace the conventional "ionic" systems
- developing a unique range of products to support our strategy





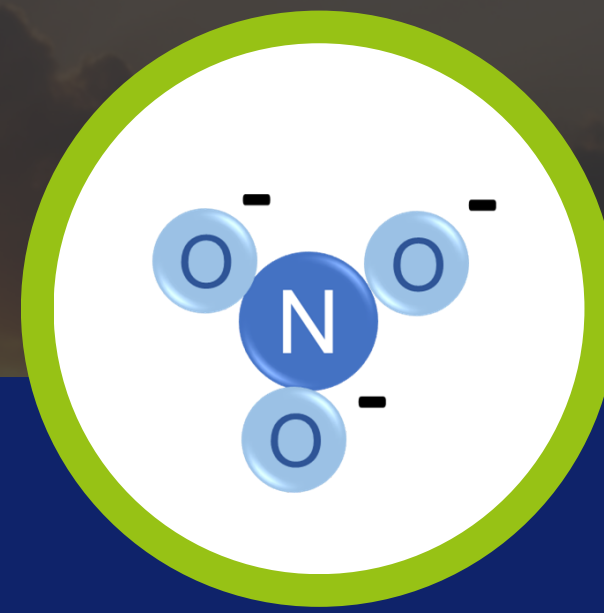
Metabolite vs ionic nutrition

Conventional plant nutrition systems rely on chemical fertilizers to supply elements in ionic form. Plants allocate a large portion of their photosynthate to catalyse these ions into plant usable forms within the plant. The Revival Crop Nutrition system relies on microbes to catalyse elements into plant usable forms outside of the plant, within the root zone, thereby saving energy in the plant which can be allocated to other functions.



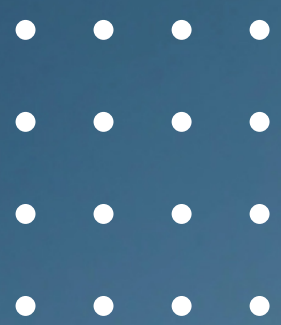
factors relating to "metabolite" nutrition

- Fungal dominance in soil
- Zero tillage
- Metabolized fertilizer
- Covered soils
- Balanced water & oxygen
- Woody mulch
- Natural Resistance Mechanisms



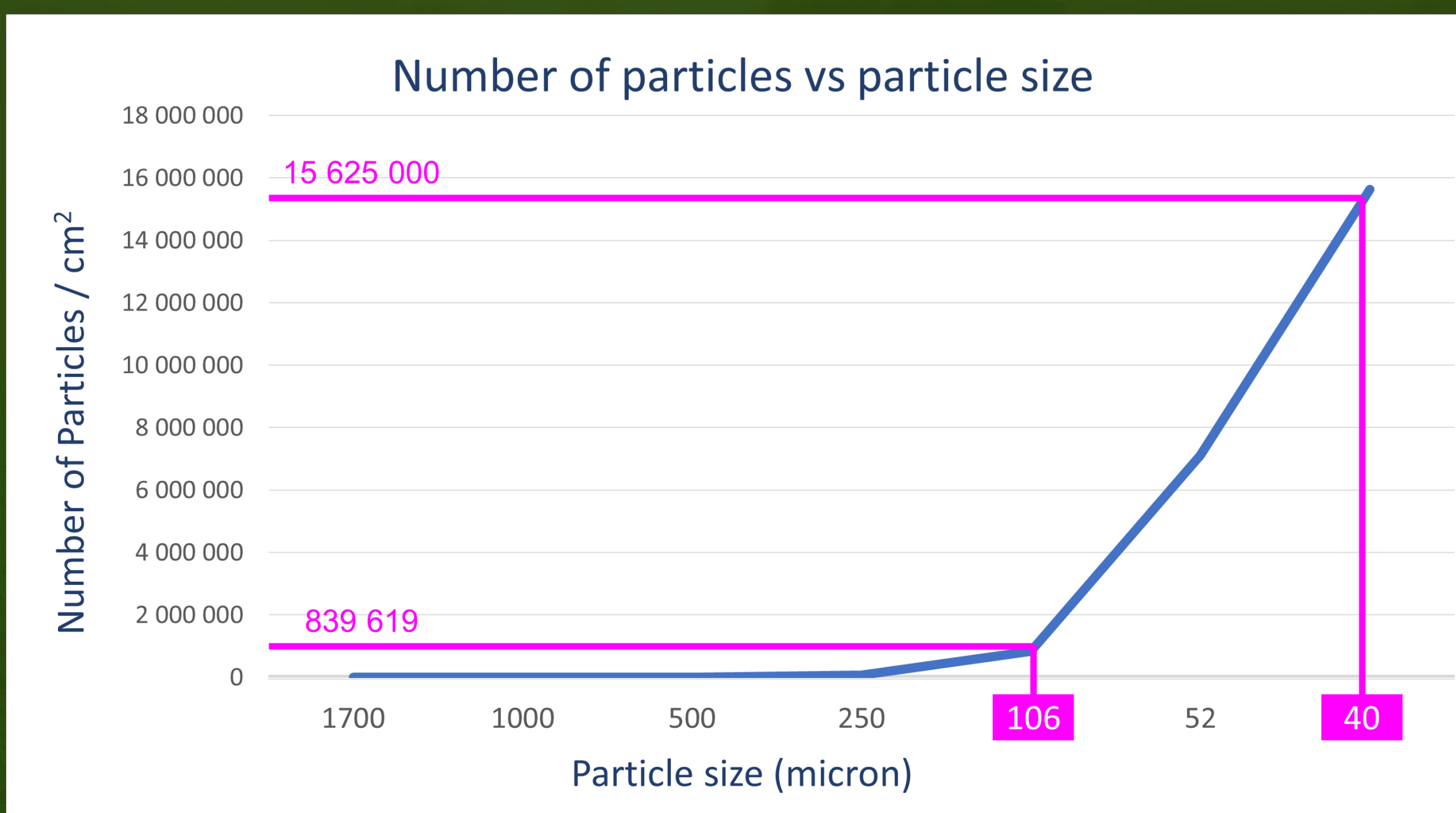
factors relating to "ionic" nutrition

- Bacterial dominance in soils
- Tillage
- Fertilizer in ionic form
- Bare soils
- Anaerobic conditions
- Soft, leafy mulch
- Herbicides & Pesticides



Our Products

All our products are specifically engineered to stimulate biological activity in the soil, supporting our "metabolite" nutrition strategy. Naturally mined raw materials are utilised without any chemical intervention during the manufacturing process. Prior to granulation, minerals are micronized to increase the reactive surface area of particles within each granule. This technique ensures maximum conversion of minerals to metabolites by soil biology. An illustration of number of particles vs surface area appears in the illustration below.



Specific biological catalysts are used in the granulation process. These ensure a "frenzy" of biological activity upon application to the soil thereby maximizing the conversion of minerals to metabolites.





Our Products



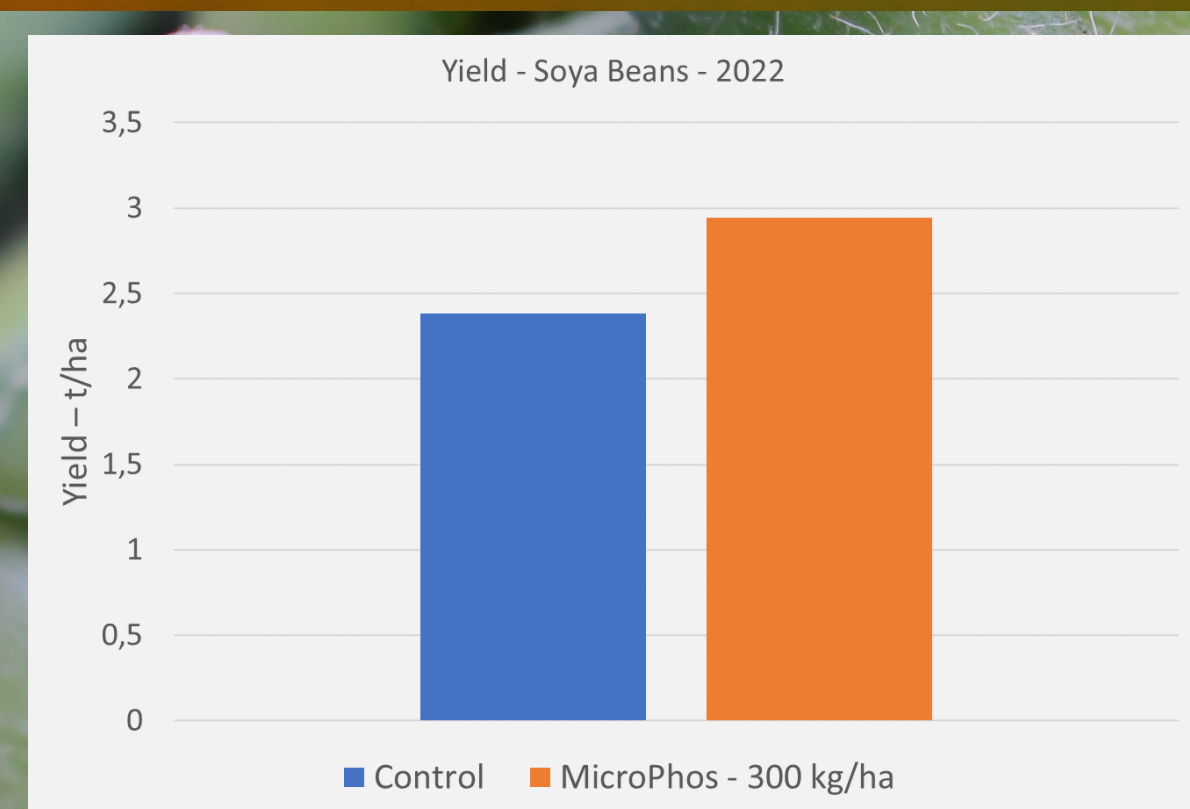
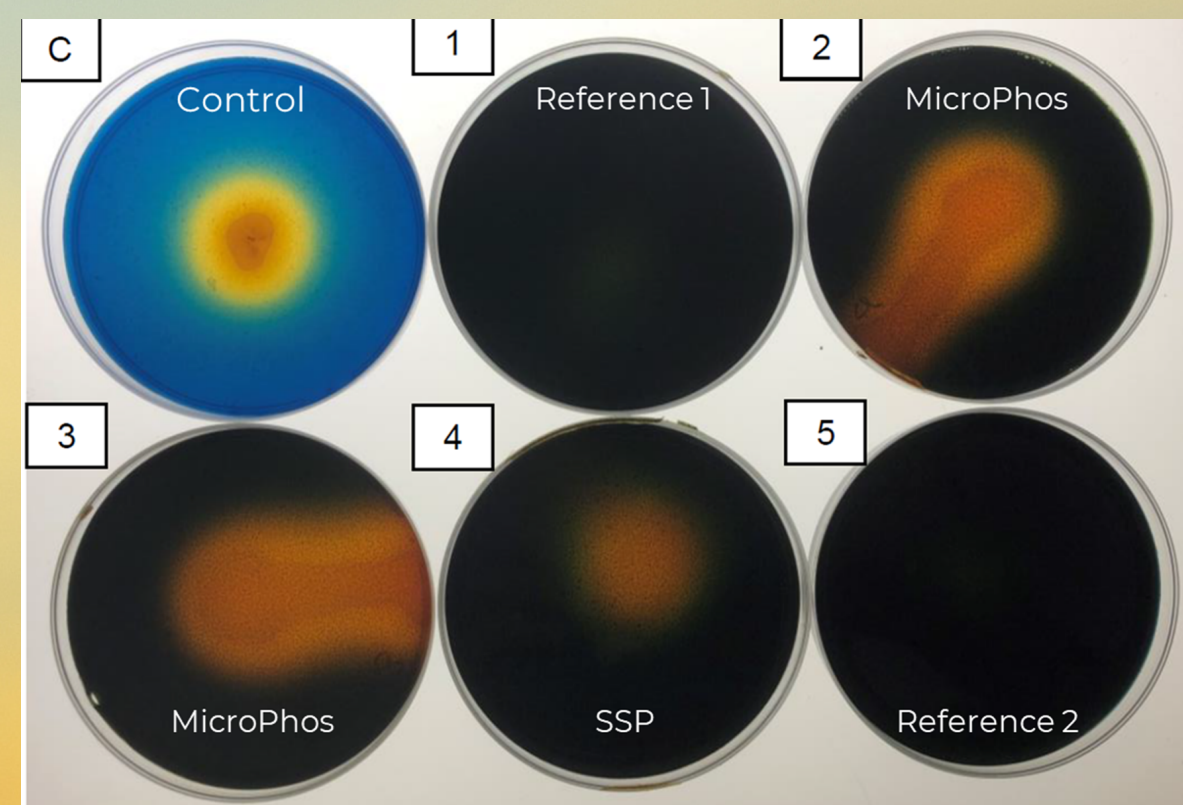
MicroPhos

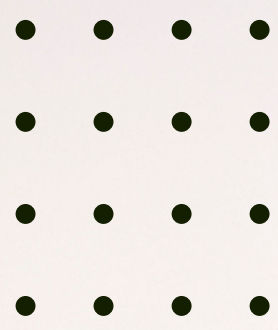
13% P, 28% Ca

A Phosphate-based granule manufactured using raw materials rich in rare earth minerals, proven to stimulate biological activity

Water soluble P vs. Bio-available P

The conventional methods of evaluating phosphate products include the level of water-soluble P or available P using citric acid extraction. To evaluate bio-availability as in the case of MicroPhos however, phosphatase activity is used as a measure of efficacy. The illustration on right indicates the level of phosphatase activity of MicroPhos compared to other, conventional P fertilizers. A larger area of orange shows higher activity.





Our Products



CalSica

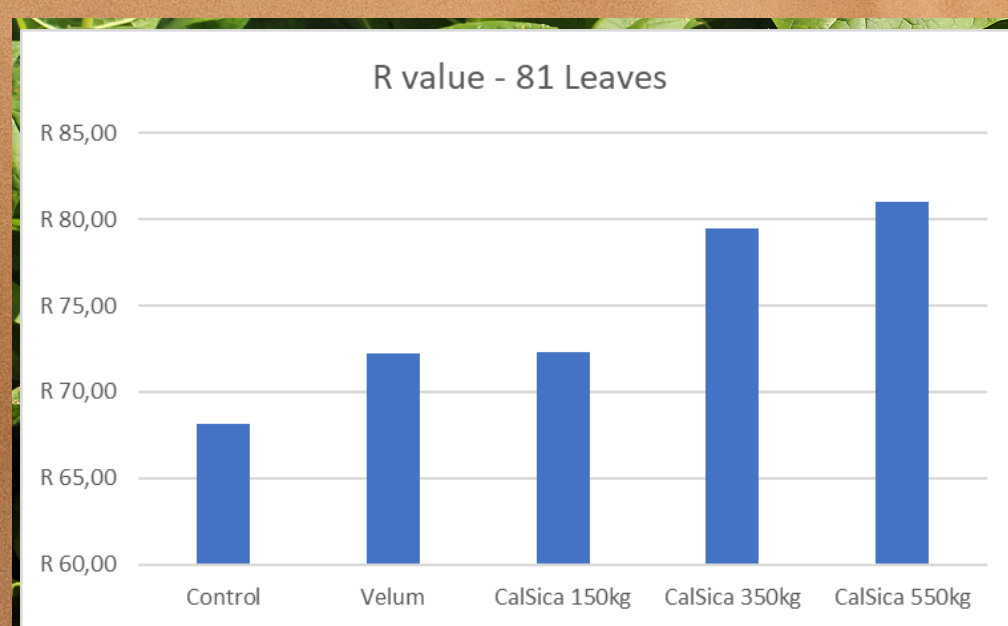
19% Ca, 30% SiO₂

A Calcium Silicate granule specifically formulated to enhance biological activity on contact with the soil



The benefits of Silica-based products

within a nutritional programme are well documented. CalSica provides a simple and convenient way of supplying Silica to plant roots in sufficient quantities to ensure superior results. Uptake via the roots ensures a constant supply of Silica in the transpiration stream thereby optimizing deposition in cell walls throughout the plant.



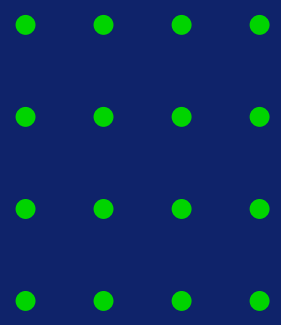
Resistance to pests & diseases



Improved tolerance to salts



Increased yield and improved size distribution



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