

## TOPIC: "INTRODUCING TROFORTE M MICROBES & MINERALS"

GUEST SPEAKER : CHRIS HEALY – THE FUTURE OF PLANT NUTRITION IS HERE TODAY

MALENY GARDEN CLUB MEETING : 27 SEPTEMBER, 2016

Chris has a good background in plant nutrition after 30 years in the commercial nursery industry

- Oxygen depletion in rivers is due to algae growth caused by fertiliser run off
- Massive fish kills in rivers are due to water soluble fertilisers which are the worst
- Toxic blue/green algae thrives on nutrient laden run off as does Crown of Thorns Starfish which cause most damage to coral reefs
- Only low grade phosphorus reserves are left throughout the world – no new ones found-current reserves will run out mid-century adversely affecting agriculture
- 3 categories of fertiliser – Organic: increases micro biological activity. Osmocote etc slow release. Synthetic: granular or soluble are the baddies as can burn plants. Organic Mineral: slow release, coated for controlled synthesis (granular and soluble)
- Repeated use of chemical fertilisers is responsible for algae and kills soil microflora
- Nutrient laden water causes phytoplankton blooms which feed Crown of Thorns Starfish
- There is a huge increase in Crown of Thorns Starfish decimating the Great Barrier Reef
- From 15 years of research and development Troforte M was created to overcome damage caused by chemical fertilisers and to bring soils back to life. <[www.saveyoursoils.com.au](http://www.saveyoursoils.com.au)>
- Troforte M is packed with up to 28 strains of beneficial soil microbes and fungi together with 62 essential minerals to optimise use of available nutrients to plants. There is no leaching and nutrients benefit the plants for the longevity of the fertiliser
- Azoicbacter binds atmospheric nitrogen. Bacillus produces lactic acid which improves soil structure and improves plant protection to suppress baddies. Cellulosic fungi breaks down cellulose. Phosphobacteria converts insoluble phosphorus. Pseudomonas turns over organic matter and triggers beneficial activity. Rhizobium – nitrogen-fixing soil bacterium found in root nodules of leguminous plants. Streptomyces are decomposers responsible for earthy smell, producing sugars and amino acid antagonistic to pathogens
- Trichoderma – rhizomesphere competent- attacks parasites and gains nutrition from other fungi and enhances root growth which is very important in plant life
- It is believed that Myrtle Rust came in to Australia from South America – Eco Fungicide will combat it used with Eco Oil @ 5mls per litre
- Mycorrhiza enhances ability to uptake water and minerals particularly phosphorus and zinc. Retain moisture around roots as a barrier to pathogens
- Sentinel trees in forests regulate distribution of nutrients through roots enabling root systems to extend by 100. Worms are vital in garden soil but not in potting mix
- Yarrowia improves phosphate uptake – symbiotic relationship with other microbotics
- Rejuven8tor Garden Fertiliser produces noticeable effects in 17 days
- Fert-O-Lawn Lawn Fertiliser is fast acting. Superfeeder rejuvenates spent potting mix
- Contents of tubs are good for 11 months after opening. Keep dry, use scoop not hand as moisture activates microbes. Spray clover and bindii, then wait 8 days before fertilising

Troforte M controlled release fertilisers with microbes and minerals are manufactured by Langley Fertilisers in Western Australia using world-first technology. The microbes are cultured in Australia and mineral compounds are Australian made. All Troforte M products are environment, reef and river safe. SOLD AT MALENY TOWN AND COUNTRY @ 5% DISCOUNT FOR MGC MEMBERS. END.