



Qld Organics

OrganoGrow Compost

Product Information

ORGANO GROW is a low risk, consistently high-quality soil conditioner derived from mulch and food processing by-products. Feedstocks of known origins and a full composting process enable an ongoing consistent supply of a high-quality low-risk product.

ORGANO GROW - Boosts Soil Health

ORGANO GROW boosts soil health as an excellent source of carbon, beneficial microbiology and increased nutrient availability. Increased soil health enables stronger, vigorous plant growth with larger roots systems better able to harvest moisture and thicker leaves for improved water efficiency. Increased soil carbon enables plant and microbiology growth while improved soil texture promotes drainage and water permeation. Beneficial microbiology helps plants absorb more nutrients from the soil and resist pathogen infestation.

Improved soil chemistry increases the soils ability to retain nutrients while the contribution of immediate and slow-release nutrients delivers ongoing sustenance. The net result is plants with increased environmental resilience, yields, produce quality, moisture retention better able to withstand the challenges faced by Australian farmers.

ORGANO GROW - Enhanced Soil Carbon

ORGANO GROW is an excellent source of soil organic carbon - the basis of soil fertility. Soil carbon enables plant and microbiological growth, improves soil structure and buffers against harmful substances.

ORGANO GROW - Enhanced Soil Microbiology

ORGANO GROW delivers a broad spectrum of microbiology gained through clean raw material inputs, while the 20 - 30-week composting process facilitates fungal-dominant microbes. Beneficial soil microbes work in partnership with plant roots to maximise nutrient uptake, assist in pathogen suppression while facilitating ongoing nutrient supply from the soil.

ORGANO GROW - Enhanced Nutrient Availability (Cation Exchange Capacity CEC)

ORGANO GROW high CEC also increases the cation exchange allowing the soil to hold increased levels of nutrients which increases the efficiency of add fertiliser while buffering acidification. Immediate and slow-release nutrients provide continuity for ongoing plant sustenance. Is a useful indicator of soil fertility because it shows the soil's ability to supply three important plant nutrients: calcium, magnesium and potassium.

ORGANO GROW - Environmental Resilience

ORGANO GROW increases soil structure for improved water penetration and absorption to maximise every rain event and irrigation. Increased carbon buffers against salinity and the impact of heavy metals. Healthier plants with deeper stronger root systems maximise moisture absorption while thicker leaves reduce moisture loss to counter dry spells, while vigorous plants are more resistant to pathogen and pest infestation.

ORGANO GROW - Farm Applications

Upon maturity, **ORGANO GROW** is screened 20MM minus for ease of use and consistent spreading.

Use **ORGANO GROW** for greater soil health to boost tree / small crop yields, feed hungry soils, reclaim the marginal country and mitigate against dry weather.

ORGANO GROW Compost has the following benefits:

- An Increased broad range of beneficial soil microbiology;
- Increased soil organic carbon;
- Increased plant nutrient availability
- Increased cation exchange capacity and nutrient holding capacity;
- Increased plant health, vitality and environmental resilience;
- Improved soil water penetration and capture;
- Improved fertiliser and irrigation efficiency;
- Increased yields and crop quality.

For further information about application rates and next steps contact Queensland Organics (07) 3203 1379.



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Product Information *continued...*

Typical Analysis*

Nitrogen (N)	Total Nitrogen (%)	2.50%
Phosphorous (P)	Total Phosphorus (%)	0.32%
Potassium (K)	Total Potassium (%)	0.26%
Effective Cation Exchange Capacity	cmol +/kg	48.25%

Silica + Trace Elements

Silica	Total	571 mg/kg
Calcium	Available	3.09 %
Magnesium	Available	0.41 %
Zinc	Available	34.8 mg/kg
Boron	Available	4.40 mg/kg
Iron	Available	288 mg/kg
Copper	Available	15.9 mg/kg
Manganese	Available	110 mg/kg
Carbon	Total	26.50 %
Sulphur	Total	1.22 mg/kg
Molybdenum	Total	1.61 mg/kg
Cobalt	Total	13.03
Moisture Content	%	18%

Analysis conducted by Environmental Analysis Laboratory (EAL) 5 Nov 2019 Ref i7779/2