

Ocean View College, Taperoo



Before photo taken 16 February, 2010



At completion of first irrigation season with Greene Eden management, which included the LawrieCo Turf and Soil Program. Photo 3 March, 2011 (13 months)

Valley View Secondary School



Untreated Soccer Oval has the same irrigation system and application program as treated oval.



Treated Soccer Oval was levelled and LawrieCo Soil and Turf Fertiliser Program was applied. Photos were taken after 18 months of treatment.

All three soccer ovals at Valley View Secondary School are now treated with the Turf and Soil Fertiliser Program as part of Greene Eden management.

Typical Soil and Turf Fertiliser Program

	Year 1	Year 2	Ongoing
Soil Broadcast	3-6 t/ha	3-4 t/ha	3 t/ha
Foliar Fertiliser	3-5 apps	3-4 apps	3-4 apps
&/OR Thatch Digest	1-2 apps	1-2 apps	1-2 apps
Humic Acid	Option to apply with irrigation		

The program is tailored to specific site requirements based on turf condition, soil fertility, irrigation requirements and more. Initial soil testing is normally recommended to ensure fertiliser applications have maximum benefit.

About LawrieCo

LawrieCo is built on a passion for improved farming systems. They work closely with producers to improve soil fertility, enhance output and reduce chemical input. LawrieCo deliver successful fertiliser programs with a focus on soil fertility and biology. The benefits and experience of these fertiliser programs is now available to the turf industry via Greene Eden.



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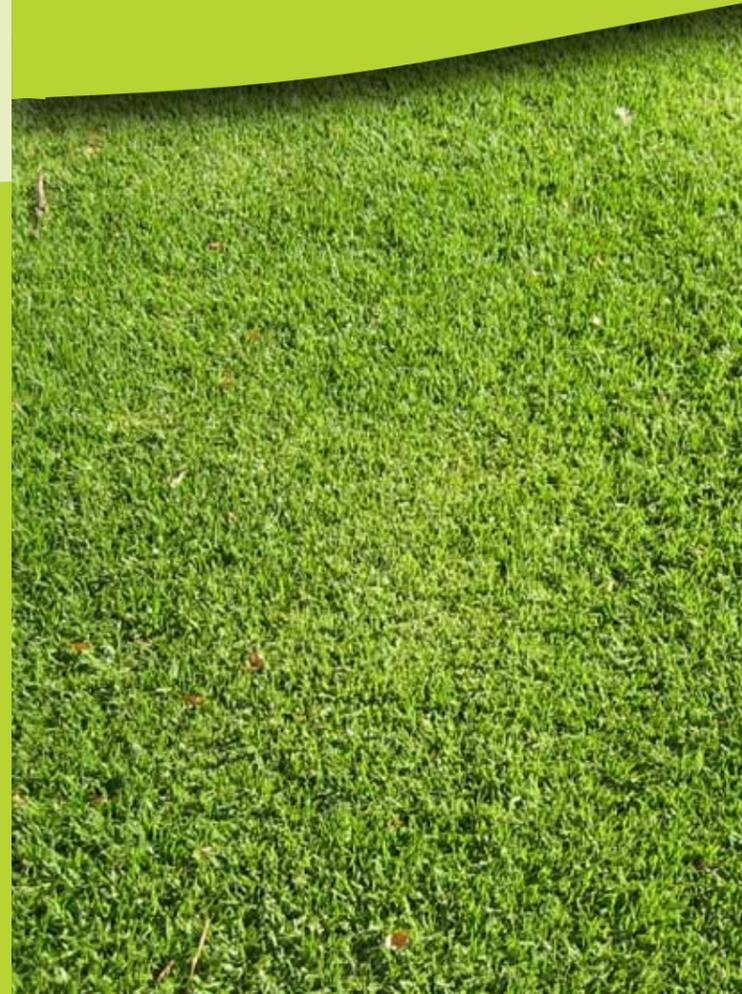
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Healthy Soil Healthy People



LawrieCo's Fertiliser Program for Turf and Soil



What is LawrieCo's Turf and Soil Program?

The Turf and Soil Program is a unique fertiliser program drawn from nutrient, humic and applied soil science, microbiology and fertiliser technology.

The Program builds the ideal soil structure and fertility and maintains high quality turf.

The Program may include the following:

Soil Analysis Comprehensive and independent

Soil Broadcast Dry fertiliser / soil conditioning blend application

Foliar Fertiliser Balanced liquid nutrition and biology

Fertigation To maximise fertiliser efficiency and buffer toxicities



Whyalla Memorial Oval: Centre had Soil Broadcast & Foliar Turf, Outer part of Oval had a Foliar Turf spray and Outside Oval had no applications. The same irrigation rate was applied in all areas.



> Reduce Chemical Use

The fertiliser used in LawrieCo's Turf and Soil Program is carbon based and reduces the use of chemical fertiliser applications.

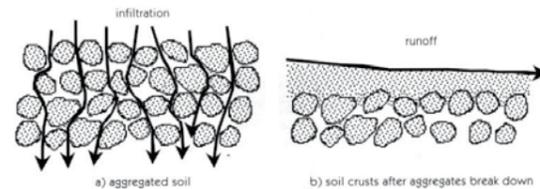
The program also builds natural immunity to insects and disease, resulting in reduced use of fungicides and pesticides to control these issues.

The LawrieCo products applied are environmentally friendly, have no withholding period, are non-toxic and not harmful when applied in correct concentrations.

> Water Efficiency

Building soil structure and soil organic carbon, reducing compaction, increasing root growth and buffering irrigation water will all help to improve soil water holding capacity.

Irrigation water or rain will soak in quicker and last for longer!



Program Benefits

- > Facilitate irrigation and rain water soakage
- > Reduce surface hardness and compaction
- > Rich green, hard wearing turf
- > Ideal for high traffic turf
- > Build soil fertility and soil organic matter
- > Enhance root growth
- > Buffer salinity and toxicities
- > Address thatching issues
- > Reduce or eliminate toxic chemical use

> What is Soil Organic Matter?

Soil organic matter contributes to a variety of biological, chemical and physical properties of soil and is essential for good soil health.

- Provides food & habitat for beneficial soil organisms
- Main store of key nutrients e.g. nitrogen & potassium
- Binds soil particle aggregates improving soil structure
- Enhances water holding capacity of soil

Reference (www.csiro.au 2012)

How is LawrieCo's Turf and Soil Program Applied?

1. Soil Broadcast

BioLogic Turf & Soil Blend

The blend is a complete and balanced fertiliser and soil conditioner with an organic carbon base. All major and minor nutrients are included to deliver premium turf and promote soil nutrient and biological balance.

The blend is a "living" fertiliser that is inoculated with beneficial biology and food sources.

Application Rate: 4 – 8 tonne per hectare

Prescription BioLogic Blend

Utilising soil analysis a prescription blend can be recommended for situations where there are imbalances in soil nutrition.

Soil ameliorants such as lime, gypsum and specific trace elements may be included in the blend if required.

BioLogic Blend Analysis N 0.5%, P 2.4%, K 0.1%, S 1.0%, Ca 7%, Mg 1%, Organic Carbon 20.3%, Humic Acid 19.6%, Fulvic Acid 4%

- Improve soil structure and fertility
- Reduce compaction in hard soils
- Improve water soakage and efficiency
- Feed and attracts earthworms and other beneficial soil micro-organisms
- Increase soil organic carbon
- Promote strong root growth



2. Foliar & Fertigation

Complete balanced nutrition, beneficial biology and natural bio-stimulants for optimal turf growth, density and root growth. Applied with other program inputs it will assist turf recovery from disease and insects, reducing chemical use.

Thatch Digest Foliar

Foliar spray with residue conversion capacity to rapidly convert clippings and thatching into soil organic carbon. It contains natural soil fungi selected for their cellulose (residue) digesting



Liquids	Description	Std	Thatch
Growth/Growth N+	NPK + Ca + Bio-Stimulants	•	•
Trace	7 Trace elements + Fulvic	•	•
Micro-Life	Beneficial biology	•	
Digest	Cellulose digesting fungi		•
Kicker	Food source for Digest fungi		•
Fulvic/Humic	Improve nutrient uptake	•	

3. Humic Acid

Liquid Humic

A natural biological acid ideal for inclusion with nitrogen applications to reduce volatilisation and increase efficiency.

Humic also has natural buffering capabilities against excesses and toxicities in water and soil.

- Ideal for use with poor quality irrigation water
- Optimise plant water and nutrient uptake
- Prevent buildup of salts and bicarbonate in the soil profile and irrigation lines

Application Rate: 2 - 10 L / hectare

Enhance Root Growth



Original Condition



Two Months



Three Months