

# RP Rural Separator Screen & Ponds



# 800 Cow 4 Bay Feed pad



# Sediment trap and pump out tank



# Yardmaster pontoon pump & stirrer



# Compost site



# Screened manure



**Dry screen material ready for additional waste stream ready for carbon source with woodchips**



# Compost ready to turn



# Straw from calf bedding



# Pumped top pond sediment



# Finished product



# Effluent traveller - Williams



# Centre pivot after corn crop



# Pivot area 25 hectare



## Pasture on fixed irrigation plot at dairy



# Root structure on fixed irrigation





# Worms returned to fixed block area



Brics reading 13.9



# Mountainvale cropping area



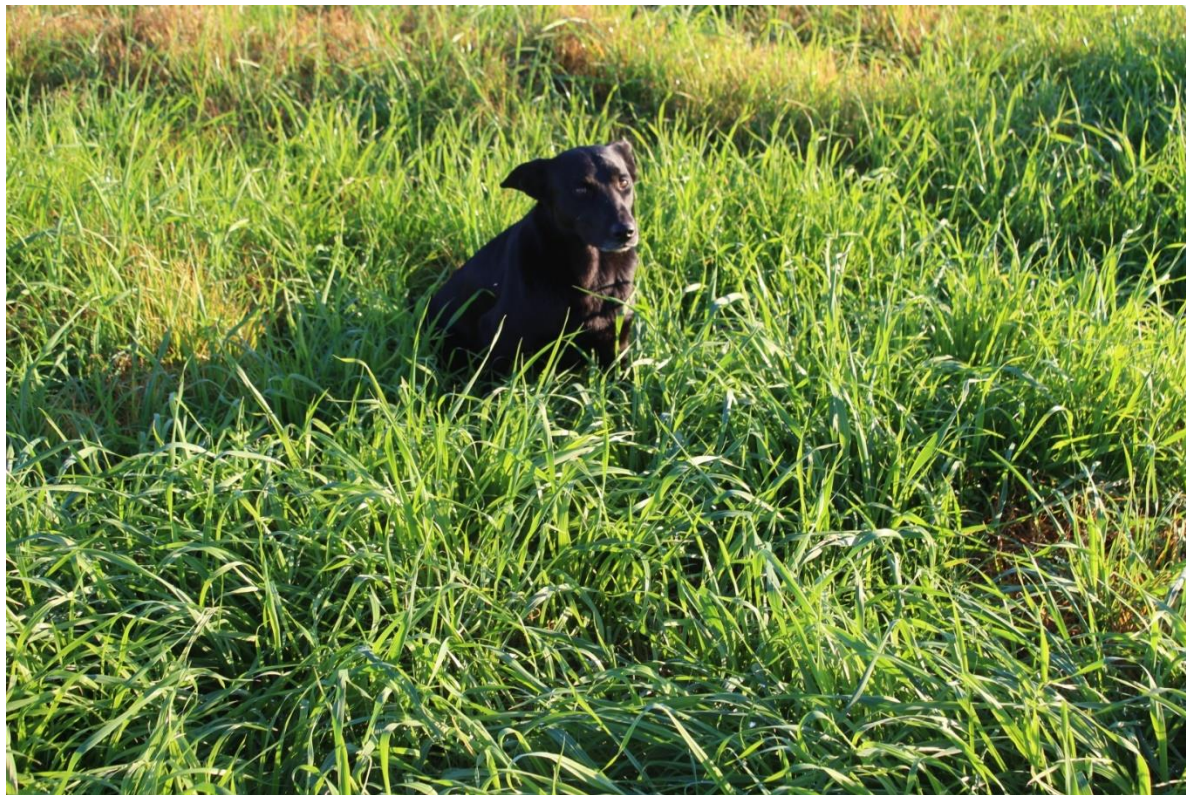
# Mountainvale cropping area root structure – not ideal



# FSCDDG Effluent trial plot



# Effluent & compost pre-sowing



# Soil structure with effluent



# Trailco T300 Turbine Traveller

## Irrigated effluent pre-corn



**Sown 8 weeks before corn area**  
**No effluent – conventional fertiliser**



# Germinated Corn Post Effluent



# Trial - effluent only





# Crop lift only on trial plot





# Control - untouched (water only)



**Overload only applied 6 weeks ago**



# Effluent overload



# **Effluent only 12mths ago with Bio humic spray**



# Pasture Mountainvale

## Brics reading was 11 & 13.2



# Almost ideal root structure





# SOUTHERN FARM SUPPLIES

## Compost Analysis

ANALYSIS FOR:		SAMPLE: Farm compost			Lab Ref:	
Ken Kimber		DATE: 31.10.18 CONTACT: Danny Sherlock TEL: 0481 723 904			H4444/1	
Parameter	Units	Value	Units	Total @ 1 t/ha	Amount available @ 1 t/ha	Amount available @ 5 t/ha
Dry Matter	%	68.0	kg DM	680	680	3400
pH		7.64				
Electrical Conductivity	dS/m	1.65				
Total Carbon	%	13.0	kg C	88.4	88.4	442
Total Nitrogen	%	0.95	kg N	6.46	0.65	3.2
C:N Ratio		14				
Total Calcium	%	0.79	kg Ca	5.37	5.37	26.9
Total Magnesium	%	0.30	kg Mg	2.04	2.04	10.2
Total Potassium	%	0.46	kg K	3.13	2.82	14.1
Total Sodium	%	0.09	kg Na	0.61	0.61	3.1
Total Sulphur	%	0.16	kg S	1.09	1.09	5.4
Total Phosphorous	%	0.25	kg P	1.70	1.02	5.1
Total Zinc	mg/kg	100	kg Zn	0.07	0.07	0.34
Total Manganese	mg/kg	346	kg Mn	0.24	0.24	1.2
Total Iron	mg/kg	13464	kg Fe	9.16	9.16	45.8
Total Copper	mg/kg	20	kg Cu	0.01	0.01	0.1
Total Boron	mg/kg	9.4	kg B	0.01	0.01	0.03
Total Silicon	mg/kg	2215	kg Si	1.51	1.51	7.5
Total Aluminium	mg/kg	10770	kg Al	7.32	7.32	36.6
Total Molybdenum	mg/kg	1.4	g Mo	0.95	0.95	4.8
Total Cobalt	mg/kg	10	g Co	6.80	6.80	34.0
Total Selenium	mg/kg	0.8	g Se	0.54	0.54	2.7
<p>*Analytical results on 'DM basis'</p> <p>*Availability to the next crop:</p> <p>Nitrogen = 10%</p> <p>Potassium = 90%</p> <p>Phosphorus = 60%</p> <p>(Analysis carried out by Environmental Analysis Laboratory)</p>						

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