



ProSol
AGRI GROW™

Unleashing an Agricultural Revolution

A PRO SOLution for Water Quality, Root Health & Organic Soil Nutrition

THE CHALLENGE

Modern agriculture is under siege from three critical threats



Water Quality

Contamination, high salinity and mineral imbalances are reducing crop yields and threatening soil viability across major agricultural regions.



Root Rot Disease

Fungal pathogens destroy root systems before visible symptoms appear — leading to total crop loss and costly replanting cycles.



Chemical Residuals

Synthetic fertilisers leave toxic residues in the soil and food chain, reducing export competitiveness and attracting regulatory scrutiny.

THE SOLUTION

"A PRO SOLution Unleashing an Agricultural Revolution"

 Treats
Water Quality



 Eliminates
Root Rot

 Organic
Fertiliser

Minimal soil residual · Proven results · Organic formulation

KEY BENEFITS

Water Treatment

Corrects pH, salinity and mineral composition to optimise irrigation water for maximum plant uptake and soil health.

Root Rot Prevention

Bioactive compounds in ProSol Agri Grow combat fungal pathogens at the root zone, protecting crops at their most vulnerable stage.

Organic Fertilisation

Delivers macro and micro-nutrients in bioavailable form without synthetic additives — certified-organic compatible.

Minimal Soil Residual

Breaks down naturally after action, leaving no toxic accumulation and preserving long-term soil microbiome health.

Proven Results

Field trials demonstrate consistent improvements in yield quality, plant vigour and disease resistance across a range of crops and climates.

Sustainable Future

Reduces dependency on chemical inputs, lowering operational costs while meeting growing consumer demand for clean-label produce.

MARKET OPPORTUNITY

\$9.8B

Global bio-fertiliser
market by 2027

CAGR 13.2%

40%

Crop loss globally
attributed to soil disease

incl. root rot

2.4B+

Hectares of
arable land at risk

water quality issues

Why Now?

Regulatory pressure on synthetic fertilisers is intensifying globally. Consumer demand for organic and clean-label produce has surged. ProSol Agri Grow is uniquely positioned to capitalise on this transition — offering proven efficacy with a fully organic, residue-free profile.

HOW IT WORKS

01

Water Treatment

ProSol Agri Grow is introduced to the irrigation system. Its active compounds bind to contaminants, correct mineral ratios and optimise pH.

02

Root Zone Activation

Bioactive agents migrate to the root zone, forming a protective barrier against fungal pathogens and promoting healthy root architecture.

03

Nutrient Release

Organic macro and micro-nutrients are released in bioavailable form, driving vigorous plant growth throughout the growing cycle.

04

Natural Decomposition

After action, the formula breaks down naturally — leaving no toxic residues and actively enriching the soil microbiome for future seasons.

COMPETITIVE ADVANTAGE

Feature	ProSol Agri Grow	Chemical Fertiliser	Standard Organic
Treats Water Quality	✓ Yes	✗ No	✗ No
Eliminates Root Rot	✓ Yes	✗ No	⚠ Partial
Organic / Residue-Free	✓ Yes	✗ No	✓ Yes
Fast-Acting Results	✓ Yes	✓ Yes	✗ Slow
Soil Microbiome Safe	✓ Yes	✗ Harms	✓ Yes
Export Compliant	✓ Yes	⚠ Risk	✓ Yes

INDEPENDENT LAB RESULTS

ARC • LNR

Agricultural Research Council

Source: ARC-Tropical and Subtropical Crops, Diagnosis Report — Order No. 1379, 20 March 2020

Prosol Agrigrow was tested at a dilution of 1 litre per 100,000 litres of Crocodile River irrigation water. Leaf-disk baiting assessed infection by Phytophthora and Pythium over 48 hours.

Sample	ParpH (Phytophthora)	Parp (Pythium)	ParpH	Parp
Untreated results				
UNTREATED — Crocodile River				
1	8/10	10/10	—	—
2	8/10	10/10	—	—
3	6/10	7/10	—	—
4	7/10	9/10	—	—
TREATED — Prosol Agrigrow @ 1L : 100,000L				
1	—	—	0/10	0/10
2	—	—	0/10	0/10
3	—	—	0/10	0/10

✗ Untreated water: up to 10/10 leaf disks infected

✓ Treated water: 0/10 infected — 100% elimination

READY TO GROW?

Partner with ProSol Agri Grow

-  Distribution & licensing partnerships welcome
-  Field trial programmes available for agribusinesses
-  Bulk formulation supply for commercial growers
-  Seeking international market entry partners

Get in touch today



ARC • LNR

Excellence in Research and Development

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Consume-it
PO Box 16429
Lyttleton
0140

Order Number: 1379

Date received: 20/03/2020

Diagnosis Report

Samples received:

Leaf pieces used as bait for 48hours in irrigation water for testing for *Phytophthora* and *Pythium*. The treated irrigation water was treated with the product Prosol Agrigrow at a concentration of 1 liter of Prosol to 100 000 liters of sample water from the Crocodile river. The untreated water was direct from the Crocodile river.

Analysis requested: Analysis for *Phytophthora*.

Results

Sample Nr	ParpH*	Parp
Untreated: Water from Crocodile river		
1	8/10	10/10
2	8/10	10/10
3	6/10	7/10
4	7/10	9/10
Treated: Water from Crocodile river treated with Prosol Agrigrow at a concentration of 1 liter Prosol to 100 000 liters of sample water from Crocodile river.		
1	0/10	0/10
2	0/10	0/10
3	0/10	0/10
4	0/10	0/10

*Assessment is based on number of leaf disks infected out of 10 per plate. ParpH is a selective medium for *Phytophthora*, and parp for *Pythium*. *Phytophthora* can also grow on parp but is mostly outcompeted by the faster growing *Phytophthora*.

No *Phytophthora* or *Pythium* was detected in the treated water.

Regards

M.H. Schoeman

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