

# NEW BIOSPHERE AGRICULTURE 'Kin Domain' Soil Vitality



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## **NEW BIOSPHERE AGRICULTURE – PASCAS INTRODUCTION:**

Documents assembled by Pascas are provided for your individual assessment and exploration. The contents are sourced from a variety of avenues and publications. Every endeavour is made to determine that the contents are of the highest level of truth and veracity. At all times we ask that you go within yourself, to ascertain for yourself, how the contents resonate with you.

Pascas provides these notes and observations to assist us all in the development and growth of our own pathways and consciousness. Pascas does not hold these contents as dogma. Pascas is about looking within oneself. Much of what we are observing is new to us readers and thus, we consider that you will take on board that which resonates with you, investigate further those items of interest, and discard that which does not feel appropriate to you.

Kinesiological muscle testing, as developed by Dr David R Hawkins and quantified by his Map of Consciousness (MOC) table, has been used to ascertain the possible level of truth of documents. Such tested calibration levels appear within the document. We ask that you consider testing same for yourself. The technique and process is outlined within Pascas documents, such as Pascas Care – Energy Level of Food. From each persons perspective, results may vary somewhat. The calibration is offered as a guide only and just another tool to assist in considering the possibilities. As a contrast, consider using this technique to test the level of truth of your local daily newspaper.

Contents are not to be interpreted as an independent guide to self-healing. The information sourced herein is not from a doctor or doctors, and any information provided in this document should not be in lieu of consultation with your physician, doctor, or other health care professional. Pascas, nor anyone associated with this document, does not assume any responsibility whatsoever for the results of any application or use of any process, technique, compound or potion as described within this document.

The sources of contents are noted throughout the document. In doing so, we acknowledge the importance of these sources and encourage our readers to consider further these sources. Should we have infringed upon a copyright pertaining to content, graphics and or pictures, we apologise. In such cases, we will endeavour to make the appropriate notations within the documents that we have assembled as a service via our not for profit arm, to our interested community.

We offer all contents in love and with the fullness of grace, which is intended to flow to readers who join us upon this fascinating journey throughout this incredible changing era we are all experiencing.

Namaste



**INTRODUCING:****PROTEIN FERTILIZER****Grow Green Pty Ltd**

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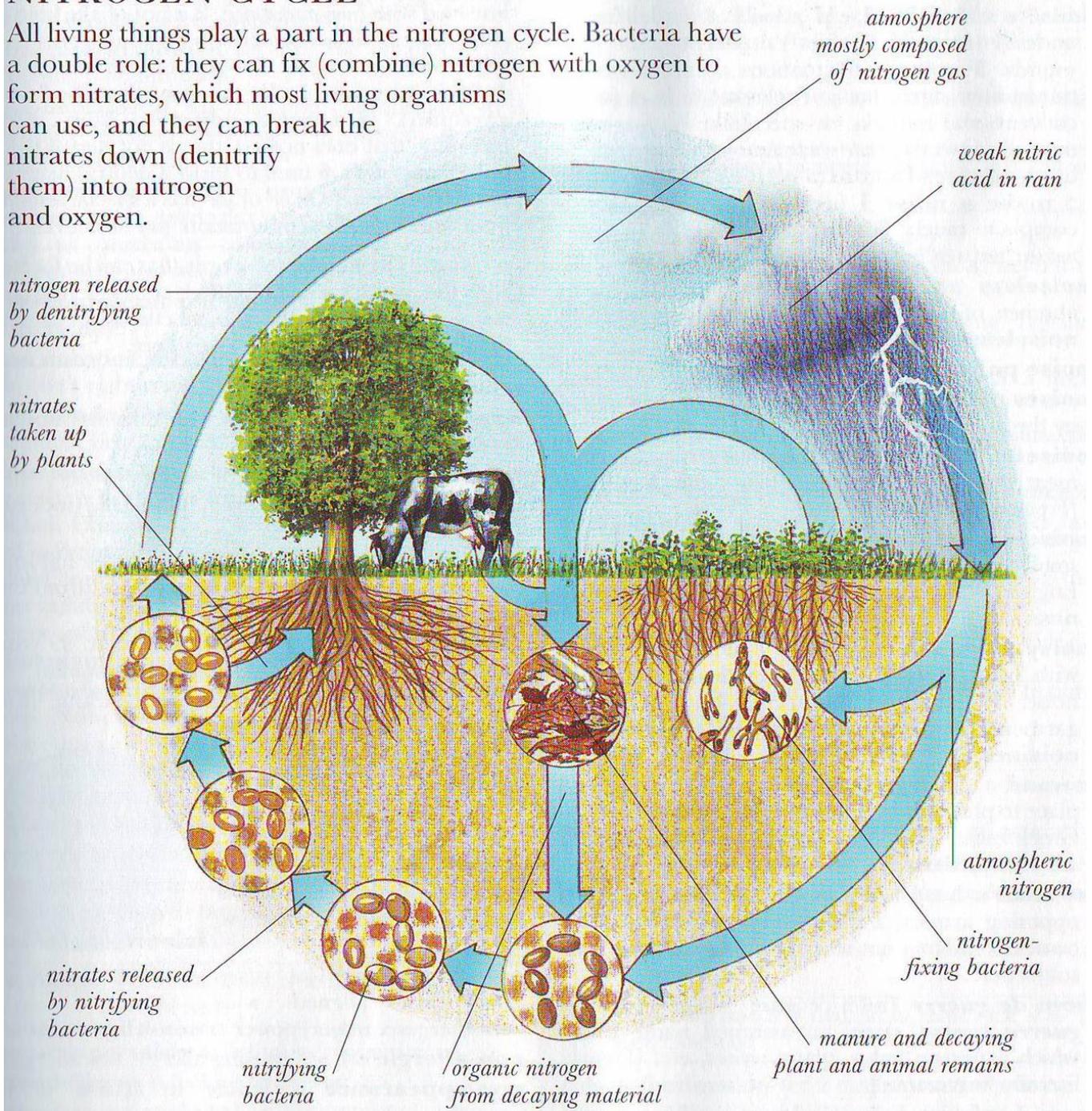
Matt Rissman & Luke Maunder  
Sustainable Soil Solutions  
Casino, NSW, Australia

**ORMUS – ORME**

Barry Carter  
<http://www.subtleenergies.com/ormus>  
Dennis Cooney  
[mail@deniscooney.com](mailto:mail@deniscooney.com)

## NITROGEN CYCLE

All living things play a part in the nitrogen cycle. Bacteria have a double role: they can fix (combine) nitrogen with oxygen to form nitrates, which most living organisms can use, and they can break the nitrates down (denitrify them) into nitrogen and oxygen.





## PROTEIN FERTILIZER

**PROTEIN FERTILIZER'S** proven technology over a 17 year period has demonstrated that:

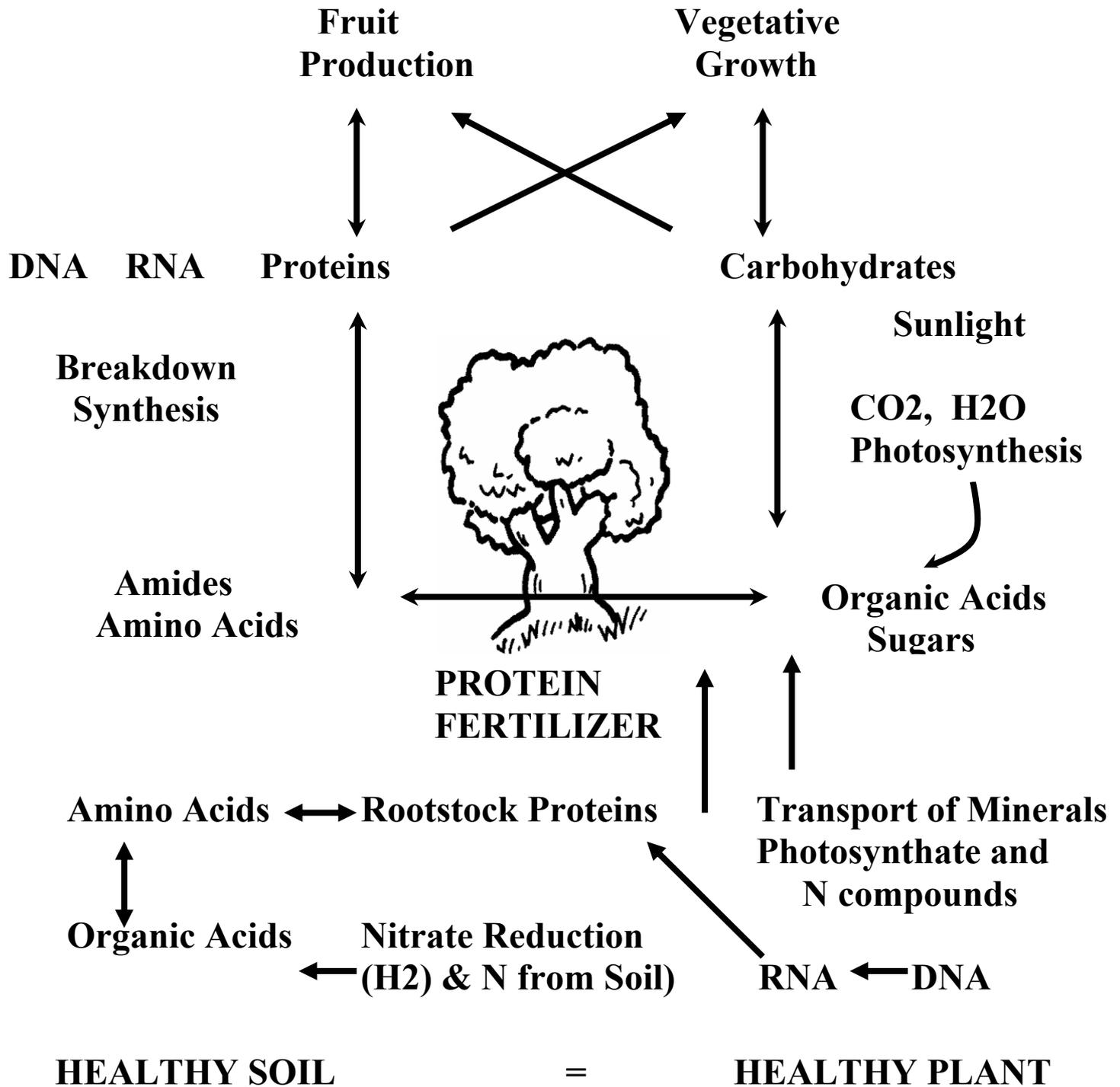
- Small crop yields have been lifted by typically 50% when compared to the outcome from using traditional chemical fertilizers.
- Large crop yields have also been lifted by typically 50%.
- Shelf life of small crops has been extended by an average of two weeks.
- Soil amelioration is a long term benefit from using the Protein Fertilizer technology.
- Costs to the user of the technology are significantly lower than from using chemical fertilizers.
- The need to apply pesticides is substantially reduced. Protein Fertilizer have available organically based proven pesticides.

Protein Fertilizer is to commercialise their technology world wide. The technologies convert waste materials and selected organic materials into unique and valuable inputs for use in agriculture / horticulture. The products consist of liquid and granular fertilizers, organic insecticides, surfactants and growth stimulants, all of which are environmentally friendly, contribute to sustainability in farming practises, ameliorates soils, improves quality of produce and have resulted in reduction in inorganic inputs (up to 75%) over time.

Protein Fertilizer is currently negotiating licences for the establishment of processing and distribution plants throughout Asia, Europe, Pacific Basin, South America and Africa.



# PROTEIN FERTILIZER



ENERGY in PLANT stored as CARBOHYDRATE

HIGH CARBOHYDRATE content = HIGH BRIX (SUGAR) reading



## PROTEIN FERTILIZER:

### PROJECT SUMMARY:

Protein Fertilizer Pty Ltd which has been developing and marketing the “Grow Green” products for more than ten years will now expand its position within the Australian market and develop operations and markets that it has identified around the world.

The Directors, Mr Bruce Campbell, B.Ag.Sc. together with the founder, Mr Farhang (Frank) Anvari have collectively over 80 years experience in agricultural / horticultural markets throughout the world.

### THE PRODUCTS:

“Grow Green” products have been consistently lifting crop yields by fifty per cent. Shelf life of produce has been extended by an average of two weeks. The cost to the consumer has not exceeded traditional chemical alternatives. The products have enhanced soil conditions thus enabling the progress reduction in volumes required for application thus reducing costs to consumers.

The “Grow Green” products are organic and non-toxic based fertilisers, however the products are not targeted towards the organic cropping market exclusively.

The low-heat processing technology developed by Protein Fertilizer has resulted in high nutrient levels than competitive products. This process has also eliminated odour. Field tests have proven the added advantages of the products. As an example, sugar content in pineapple crops have almost doubled thus greatly increasing their value with no additional costs.

The scientific use of beneficial bacteria, trace elements and appropriate vitamins has been incorporated in all products, to produce optimum crops (both productivity and quality) and enriched soil at the same time.

- Protein Fertilizer has developed unique and proven environmentally friendly products for use as inputs to sustain and improve plant life and productivity and to contribute positively to the sustainability of horticultural / agricultural practices. Opportunities also exist for the technologies to be directed towards stockfeed and aquaculture.
- The project is essentially a **waste recycling** activity with the addition of selected organic and inorganic additives. All raw materials are used during production. There are no odour problems and no waste is generated. Both liquid and granulated products are produced.
- Waste materials that can be utilised include:
  - Marine waste.
  - Fruit and vegetable processing wastes.
  - Brewery waste.
- Any compostable waste, e.g.:
  - Animal manures
  - Abattoir wastes
  - Green wastes
  - Processing wastes

- Vermiculture by-products of sewerage waste, piggeries, etc.
- Quarry mineral rock dusts.
- Protein Fertilizer's Grow Green technologies incorporate:
- The key technology is the processing of marine waste which result in a unique protein fertiliser structure to be used as a liquid or added as a component to the granulated product.
- Vegetable oil technology.
- Granulation of compostable and naturally occurring mineral materials, e.g. Alginite and quarry mineral dust.
- Protection of Key Technology
  - After initially spending considerable funds lodging international patent applications, the Company's patent and trade mark attorneys concluded that the "Coca Cola" approach be adopted.
- Trademarks registrations have been achieved for:
  - Grow Green
  - Profert
  - Xtend
  - Fungex
  - Techno-Organics

| <i>Type of Product</i> | <b>Company Brand Product</b>   | <b>Details</b>  |
|------------------------|--|---|
| Granulated Fertiliser  | <ul style="list-style-type: none"> <li>• Soil Reviva™ Techno</li> <li>• Soil Reviva™ Commercial</li> <li>• Coated Commercial Fertilizer</li> <li>• Custom Formulated</li> <li>• Custom Formulated</li> </ul>                                 | <ul style="list-style-type: none"> <li>• Organic</li> <li>• Includes inorganics</li> <li>• Organic coating inorganic</li> <li>• Organic</li> <li>• Includes inorganics</li> </ul>                     |
| Liquid Fertiliser      | <ul style="list-style-type: none"> <li>• PROFERT™</li> <li>• PROFERT™ Hical</li> <li>• PROFERT™ Hiphos</li> <li>• Grow Green™ Plus</li> <li>• Grow Green™ Fish Emulsion</li> <li>• Custom Formulated</li> <li>• Custom Formulated</li> </ul> | <ul style="list-style-type: none"> <li>• Organic</li> <li>• Organic</li> <li>• Organic</li> <li>• Includes inorganics</li> <li>• Organic</li> <li>• Organic</li> <li>• Includes inorganics</li> </ul> |
| Wetting Agents         | <ul style="list-style-type: none"> <li>• XTEND™ Plant Oil Adjuvant</li> <li>• XTEND™ Multi-purpose Oil</li> </ul>  | <ul style="list-style-type: none"> <li>• Organic</li> <li>• Organic</li> </ul>  |
| Fungicide              | <ul style="list-style-type: none"> <li>• FUNGEX™ Systemic Fungicide</li> </ul>   | <ul style="list-style-type: none"> <li>• Includes inorganics</li> </ul>   |
| Antitranspirant        | <ul style="list-style-type: none"> <li>• HYDROTECH™</li> </ul>   | <ul style="list-style-type: none"> <li>• Organic</li> </ul>   |
| Carbohydrate           | <ul style="list-style-type: none"> <li>• CARBO-AID™</li> </ul>   | <ul style="list-style-type: none"> <li>• Organic</li> </ul>   |
| Soil Amendments        | <ul style="list-style-type: none"> <li>• Liquid Calcium</li> <li>• Liquid Gypsum</li> </ul>  | <ul style="list-style-type: none"> <li>• Organic</li> <li>• Organic</li> </ul>  |

## PRODUCTS UNDER DEVELOPMENT:

- Livestock Oil – cattle external parasites
- Composts – both liquid and solid
- Organic herbicide
- Aquaculture feed
- Stock feed.

Also commercially available, specialised processing equipment.

## MARKET POSITIONING

Grow Green products can be used in a totally organic approach but the major emphasis will be in combination with inorganic inputs. “Techno-Organics” is the farming practise of using common-sense and taking the input benefits from both organic and inorganic inputs to optimise productivity and at the same time offer sustainability to agricultural / horticultural practises.

- **International Interest in Technology**  
Without any pro-active initiation relative to the technology, strong interest has been registered in the technology in USA, Taiwan, Japan, Indonesia, Malaysia, Fiji, New Zealand, Thailand, PRC, India, Italy, Denmark, Namibia, South Africa, America Samoa, Phaeoers Islands and Iran. This opens up the potential for technology licensing and/or joint ventures on an international basis.
- **Exports**  
Little activity has been initiated to date due to funding constraint. Strong interest has been shown from India, Asia, Kenya, Spain and Japan.
- **Product Competition**  
A minimum of ten (10) years research and development has been applied to our products. There are other fish type products in the markets, however these are produced in a totally different process than the Grow Green technology. As a consequence the product is inferior in performance. This has been proved in the field. With respect to the granulated product, there is no competitive / similar product on the market. It will be extremely difficult to copy the products as Protein Fertilizer control the key ingredients.

## WHAT IS SPECIAL ABOUT THIS BUSINESS

This is a most exciting project involved in converting waste materials into unique and valuable inputs into agriculture and horticulture utilising Protein Fertilizer’s technology. The application of “technology” to the organic waste material inputs (Techno-Organics) will contribute significantly to sustainability in agricultural and horticultural practices throughout the world.

- **Benefits of Grow green Project to Australia**
  - Waste recycling project – a better environment.
  - Environmentally friendly project.
  - Inputs to contribute significantly to sustainability of agricultural / horticultural practises.
  - Unique technology, which will enable a contribution to Australia’s balance of trade via exports, technology licensing and/or joint ventures and import replacement.
  - A range of unique product characteristics which impact directly on quality and yield of crops.
  - Providing good employment opportunities.
  - Substantially enhance crop yields.
  - Reduced production costs for primary producers.

- **Product Effectiveness**

Through 8 years of commercial sales (and 10 years of experimentation) of the “flagship” products, i.e. Profert Fortified Protein Fertiliser and Xtend Plant Oil Adjuvant, there have been a number of outstanding results when used alone or in combination with inorganic inputs, e.g.:

- a) Improved soil structure.
- b) Reduced inorganic inputs.
- c) Increased shelf life of produce.
- d) Increased sugar content in produce. This effect has been noted in ginger, strawberries, bananas, pineapples, beans, capsicum, tomatoes and roses.
- e) Increased yields.
- f) Effect on nematodes. The Horticultural Research and Development Council has approved a three (3) year trial program. The product has shown commercially to be effective against nematodes in ginger, capsicum, tomatoes and golf greens, etc.
- g) Effectiveness against Blue-Green Algae.
- h) Effectiveness against cattle ticks.
- i) Reduced need for insecticides and fungicides.
- j) Use of Extend POA as a mosquito larvicide.

The value of chitin / protein technology has been identified internationally. A recent Churchill Scholarship recipient confirms this. Grow Green technology is at the leading edge on a proven commercial scale.

## **MARKETING STRATEGY**

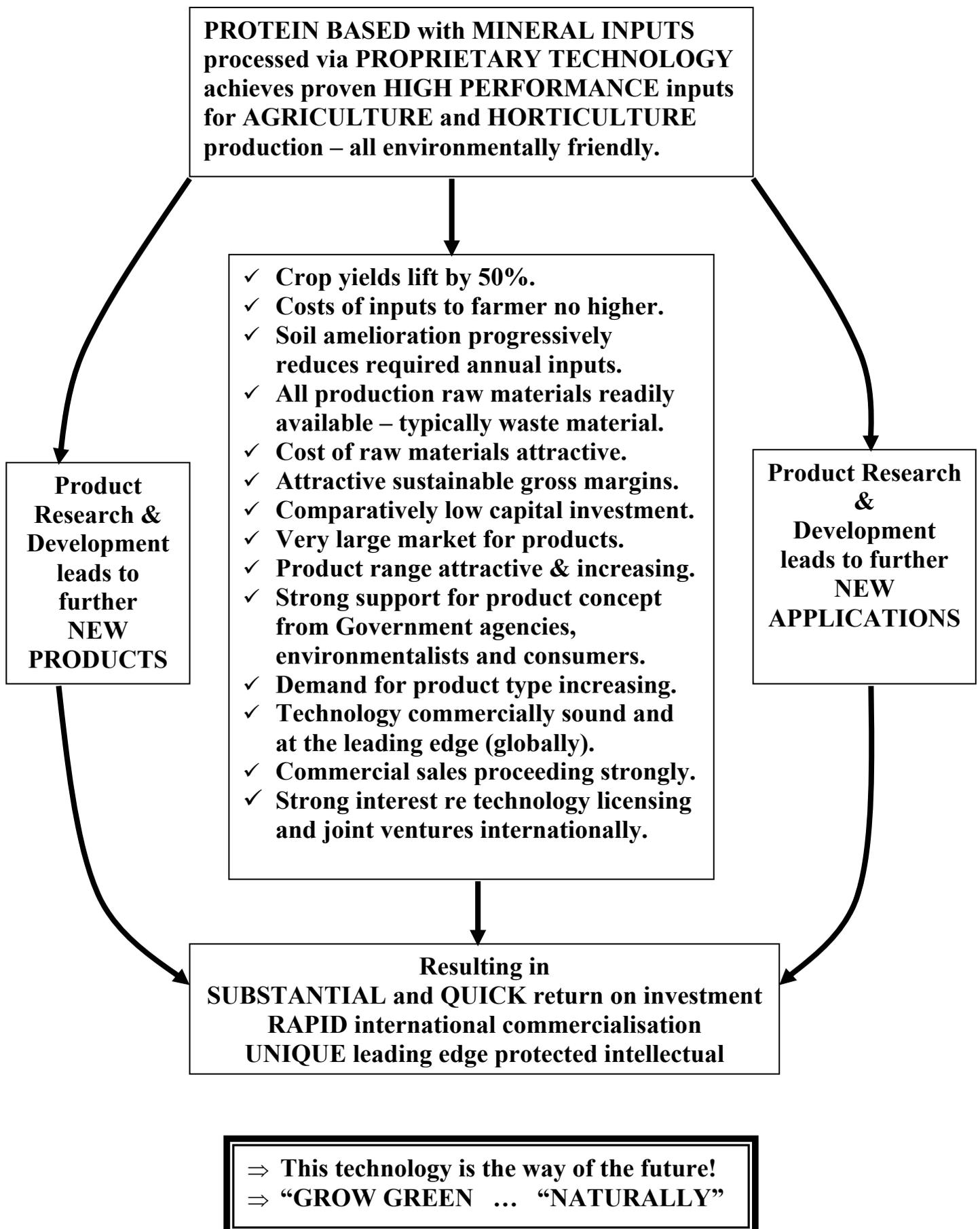
The key elements of the marketing strategy / product positioning encompasses the following:

- a) An holistic approach to plant and produce production;
- b) Ensure sustainability in cultural practices;
- c) Contribute significantly to soil amelioration;
- d) Provide inputs for growers wishing to practice ‘organic farming’;
- e) The major market ‘to use the Grow Green products in combination or as part of the programmed inputs of inorganic inputs’. Over time this will result in reduced inorganic inputs;
- f) Develop the market positioning under the “Techno-Organic” trademark, i.e. application of technology to organic materials during processing and utilise the commonsense ‘holistic’ approach to farming inputs.

Protein Fertilizer has applied significantly more technology to the production of organic inputs. Competitive companies have not applied the research and as a consequence do not have the quality product commercially available. Protein Fertilizer has a consumer monopoly!

# PROTEIN FERTILIZER

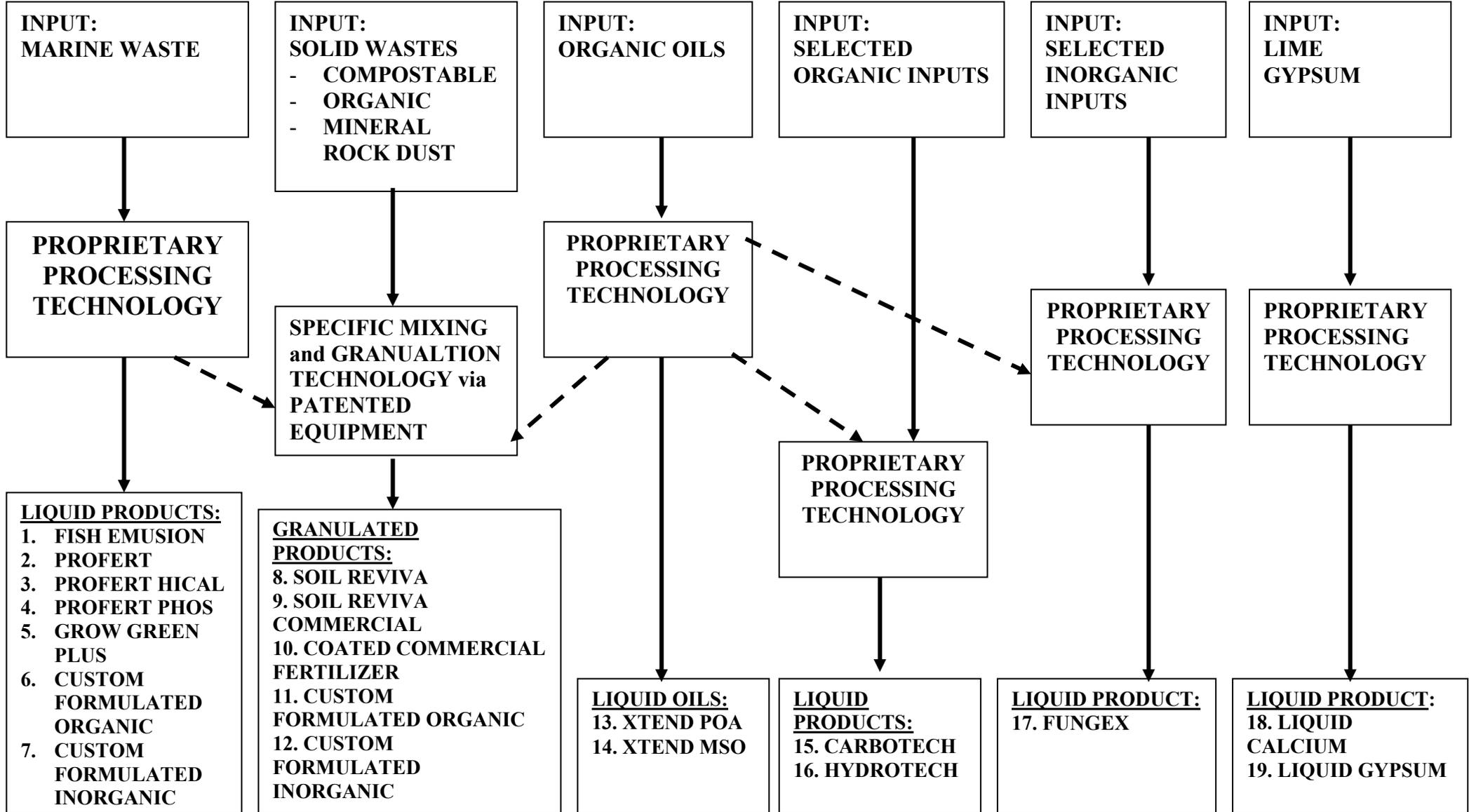
Incorporating “GROW GREEN” Technologies





# PROTEIN FERTILIZER

## PRODUCTION LINES incorporating "GROW GREEN" Technologies



## Soil Foodweb Institute Australia:

### Soil Foodweb Programs

The Soil Foodweb Institute is pleased to announce that SFI Grower Programs are now available directly through the SFI laboratory. The Grower Programs are individually designed to achieve a healthy soil foodweb specific to the crop that you are growing. For more information about our programs and to realise the benefits of having a healthy, living soil contact the SFI laboratory in Lismore.



### Good Products for Soil Health

Our Good Products sections show the results of SFI assays of the microorganisms in a range of composts, compost teas and products that improve the soil foodweb. You can compare the results and find the manufacturers in your area most suited to your needs. Those listed have been approved by SFI as passing our rigorous standards and are involved in our ongoing Quality Assurance Programs.



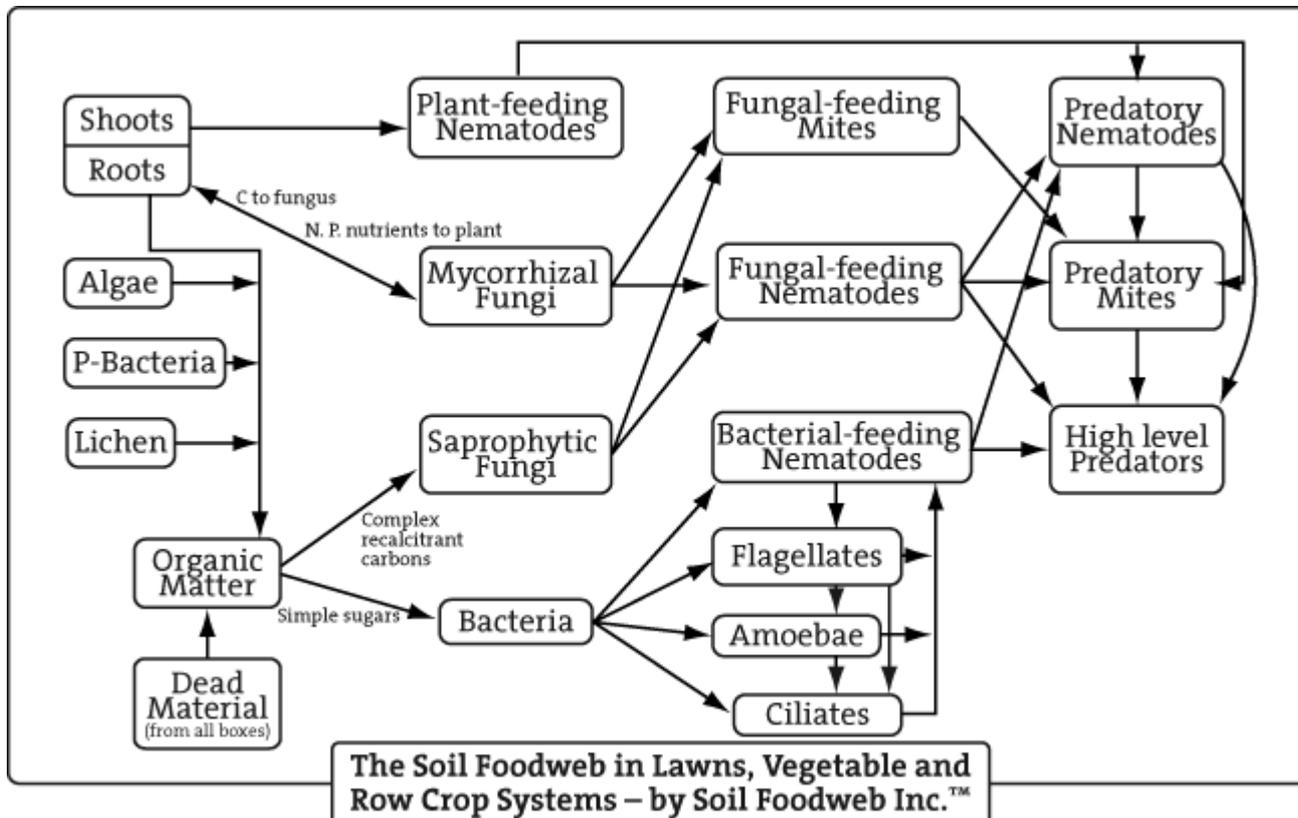
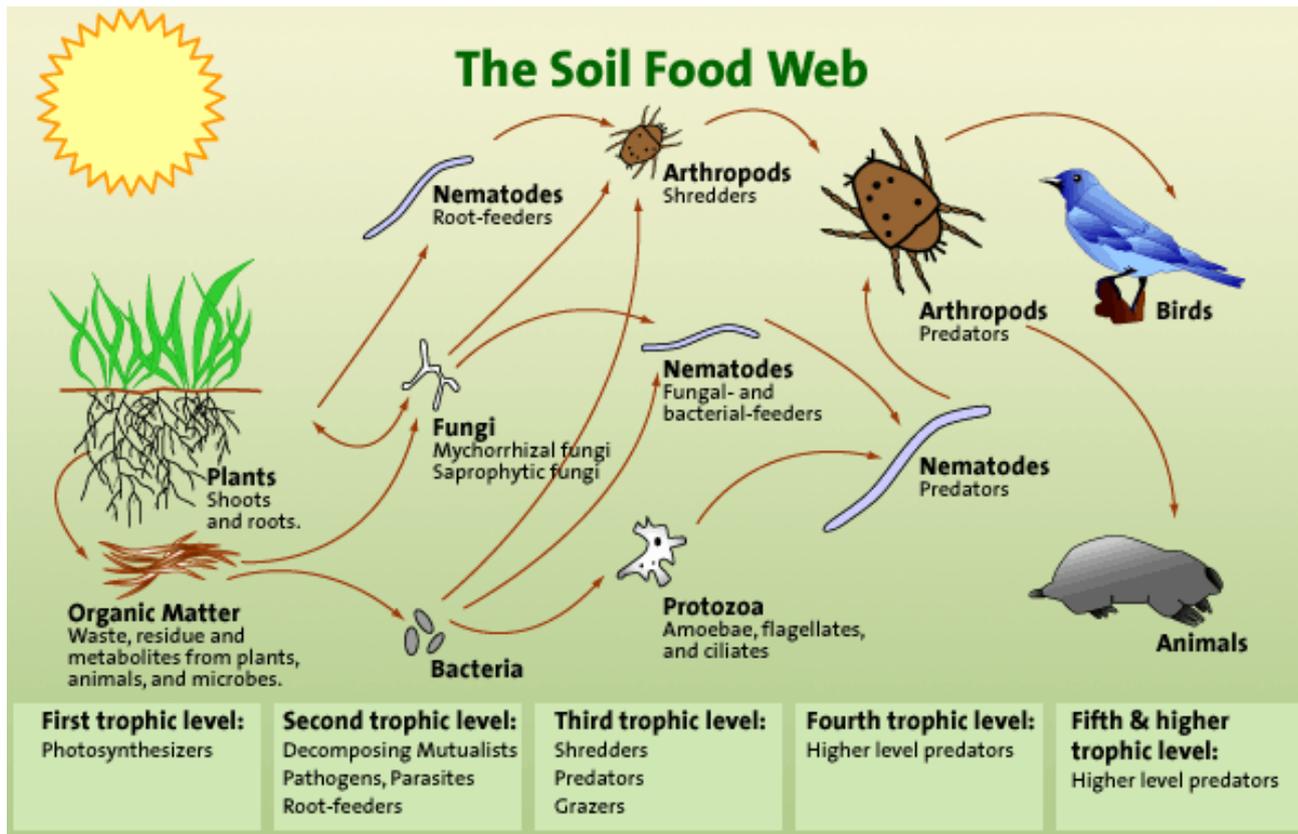
### Dr Elaine Ingham

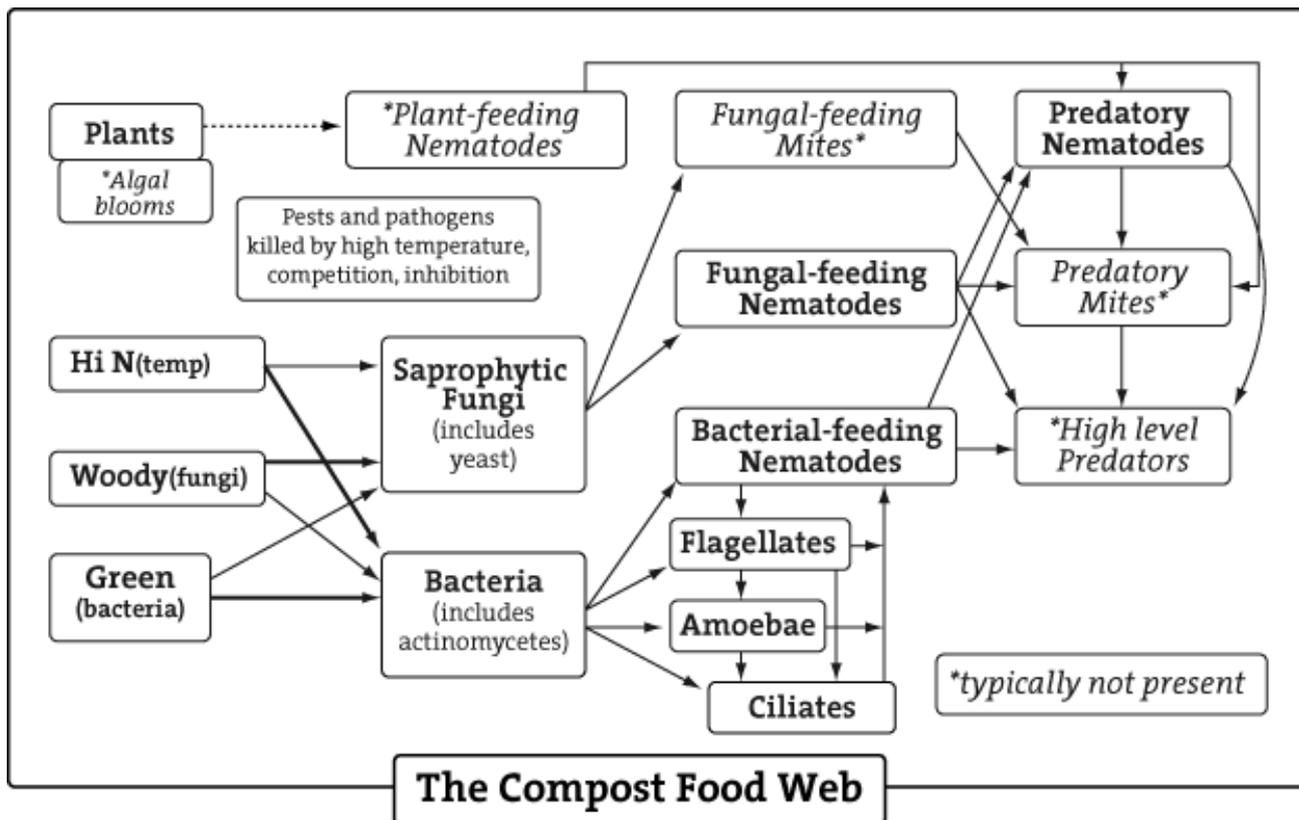
Dr Elaine Ingham of Soil Foodweb Inc. is a regular visitor to Australia from the USA. She is also a faculty member of Southern Cross University, Lismore, Australia.

To find out more about Elaine's background.

*“Soil organisms create a living, dynamic system that needs to be understood and managed properly for best plant growth. Understanding soil health requires knowing what organisms occur, which ones are working, how many are present and whether they are the right kinds for the desired plants.”*







# Orchards

Byron Bay Fruits  
Organic Nectarines  
- October 2005



Same row –  
Jan 2007



Compost  
Tea



# Small Crops



**ORMUS:**

<http://www.subtleenergies.com/ormus>

Barry Carter and Ormus grown produce:



Supermarket orange

ORMUS Orange

Pumpkins



Walnuts



## Plums



## ORMUS Plants by [Barry Carter](#)

In early May of 1997 I learned about a gentleman from the Northwest who knew of some new techniques for making ORMUS. I learned of this gentleman from an ORMUS colleague named John. John and I arranged to drive up and meet with this fellow.

When we got there we were greeted by a short, dark haired fellow in his late fifties. He gave us permission to record our conversations but requested that we keep his name and contact information anonymous. When we eventually put the methods that he taught us on the Internet we decided to call this gentleman the Essene because he did not want his real name revealed.

The Essene told us that he has always remembered a past life as an Essene on the Dead Sea. He said his first memories of this came when he was living on the coast as a child.

He said that at the age of six, he was allowed to go fishing on the pier by himself. He caught some fish and put them in a bucket but decided to dump them and fill the bucket with ocean water instead. He took this water home and added lye to it till precipitate fell out. Remembering the process from his life on the Dead Sea, he washed the precipitate and ate it. He says that he has been eating this in one form or another till the present.

We learned how to make the white precipitate of sea water using the [Wet Method](#) from the Essene on May 18, 1997.

About a year after my first visit with the Essene I wrote an article on [ORMUS in Paramagnetic Forest Soils](#) in which I speculated that ORMUS might have amazing agricultural and ecological benefits if applied to plants.

I actually visited the Essene at his place four times. The third time I visited him in October of 2000 he showed me some giant walnuts that he said were grown using the [Wet Method](#) ocean water precipitate as a mineral supplement. He called this precipitate C-11 (or Sea-11) because he said it contains eleven m-state elements from sea water.

You can read the story of these giant walnuts here:

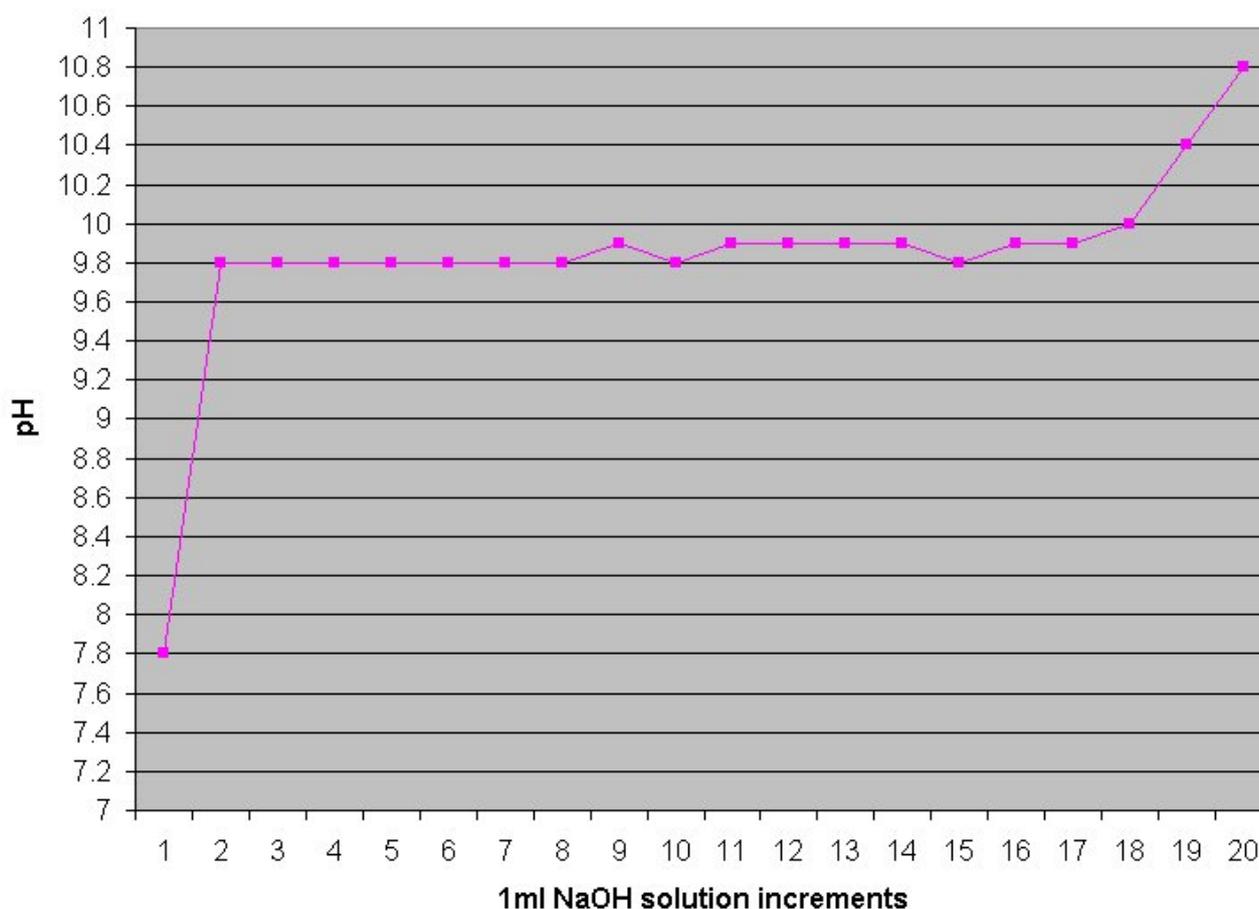
### [M-state Walnuts by Barry Carter](#)

The benefits of ORMUS for plants are generally best realized by the [Wet Method](#) precipitate from salt sea water. Here is the [Wet Method](#) in review:

- Slowly bring the pH of ocean water, Dead Sea water or raw sea salt (dissolved in water) up to pH 10.78 and no higher using a tablespoon of lye (sodium hydroxide) dissolved in ½ cup water.
- Let the resulting precipitate settle, siphon the clear water off the top and add fresh water to wash it.
- Repeat the second step three or four more times.

As the pH is raised to 10.78 you will notice that the pH seems to hang for a long time around pH 9.8 - 9.9. This happens because the lye cannot raise the pH as long as it is being used up in reaction with the ORMUS and magnesium in the sea water. This pH curve looks something like this:

**Atlantic Ocean Water pH Precipitation Curve**



You can also purchase the precipitate from the ORMUS providers which are listed at:

<http://www.subtleenergies.com/ormus/tw/sources.htm#2>

Once you have the precipitate it is very important to apply it at the appropriate rate. It is typically applied at the rate of one to three gallons per acre (ten to thirty one litres per hectare) for each crop. (This is usually just once a year for trees but will be with each planting for grasses which get multiple cuttings.)

I have calculated the [application rates](#) for ORMUS precipitate in agriculture and [Sea-Crop](#), one of the ORMUS providers, also has a page on this at:

<http://www.sea-crop.com/application.html>

My fourth visit with the Essene in October of 2001 corresponded with the visit of one of the ORMUS producers. He started making the C-Gro (now [Sea-Crop](#)) product in 2004. You can see pictures of some of the results of using this product on plants at:

<http://www.subtleenergies.com/ormus/tw/c-groplants.htm>

<http://www.subtleenergies.com/ormus/tw/pears.htm>

<http://www.subtleenergies.com/ormus/tw/alfalfa.htm>

and on the [Sea-Crop](#) site.

In August of 2003 I gave a series of presentations on ORMUS in North and South Carolina. These presentations were arranged by Dana Dudley. After hearing about how to do the Wet Method in one of my workshops Dana told me that she was working with some folks who had been using ORMUS precipitate from Great Salt Lake water for plants. Dana contacted these folks and got some [ORMUS Oranges](#) from them. These oranges were four and a half times as large as ordinary supermarket oranges.

Home gardeners are also sharing amazing results with the use of ORMUS precipitate on their plants. If you are interested in documenting and sharing the results you are getting with plants I have created a page with helpful suggestions at:

<http://www.subtleenergies.com/ormus/tw/documenting.htm>

At one of my ORMUS Workshops on May 16, 2004 I showed some folks how to make the ORMUS precipitate with Dead Sea salt. I gave the precipitate I made to several people and one of these people, a woman named Jane, wrote me a note telling me what she had done with the precipitate I made:

From: Jane

Subject: The Rose

Date: Sun, 18 Jul 2004 12:35:00 -0700

The roses are still alive, and growing. The first went into ORMES right after your second workshop in Kingston [May 16]. The second went into the same solution a month later. Both were cut long stem roses from the supermarket.

In October of 2004 Jane sent me a [video description of this rose plant](#). The cut rose was still alive and growing in a bottle of water five months after her husband gave it to her.

A gentleman named Ted had several plant boxes on his deck. A couple days after he heard me talk about ORMUS at a lecture in Ashland on May 2, 2005 Ted watered his plants with Pacific Ocean ORMUS precipitate. When I returned to Ashland on May 20, 2005 Ted gave his [report on the effects of the precipitate](#) on his plants.

From all of these observations we are quite confident of the following results:

- Cellular respiration is increased
- Phototropism is increased
- Increases photosynthesis
- Increases carbohydrate content of sap
- Increases soil micro flora
- Increases nitrogen fixing bacteria in soil
- Increases phosphorous leaching fungi
- Improves soil tilth and aeration
- More resistant to insects and disease
- Has saved diseased orchards
- Less need for pesticides
- More drought tolerant
- More transplant tolerant
- Fruit is larger and better tasting
- Produce lasts longer on the shelf
- Mineral and vitamin content increased
- Plants produce sooner
- Crop yields are increased
- Application is easy
- Application is inexpensive
- Organic
- Non-toxic
- [More resistant to freezing](#)

There are also indications that animals receive great benefits from eating plants which have been grown with ORMUS. In an [on-line book](#) titled HEALTH & SURVIVAL IN THE 21st CENTURY by Ross Horne we find the following passage:

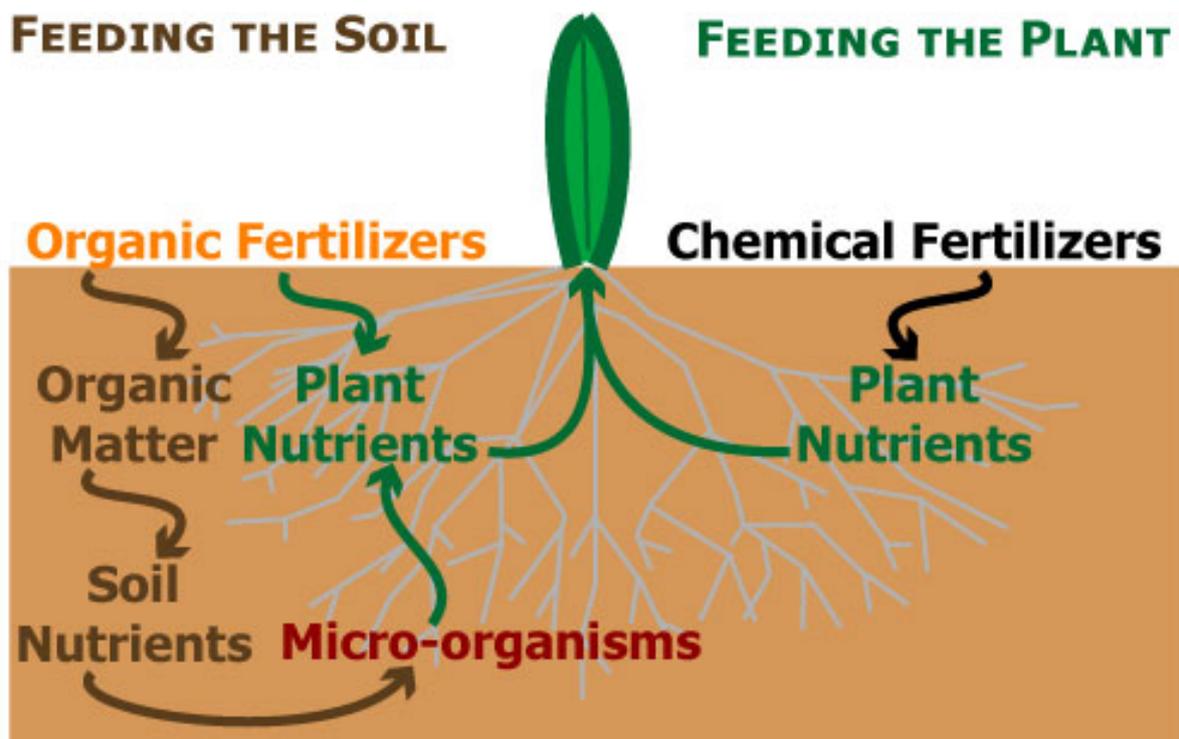
Started feeding mice both experimental and control, food that was raised on the Ray Heine and Sons Farm. The experimental food had been raised on soil fertilized with 2,200 pounds (per acre) complete sea solids. The control food was the same as the experimental with the exception that it was not fertilized with complete sea solids. The food consisted of a combination of one part soybean, two parts oats, four parts corn, balanced food proteins, carbohydrates and fats for mammals.

C3H mice were obtained for this feeding experiment. This strain of mice has been bred so all the females develop breast cancer which causes their demise. The mice were two months of age when received and started on the feeding experiments. The life expectancy of this strain for females is no more than nine months which included the production of two or three litters. The experimental and control groups both consisted of 200 C3H mice and those fed on control food were all dead within

eight months seven days. The experimental mice that were fed food grown on the sea solids fertilized soil lived until they were sacrificed at 16 months; definitive examination revealed no cancer

Though this experiment was done with whole sea solids (including the salt) I think we can presume that these benefits will also apply to animals that eat plants grown with the ORMUS precipitate.

Ormus is the complete periodic table of minerals, in a balanced state, as delivered by the world's oceans.

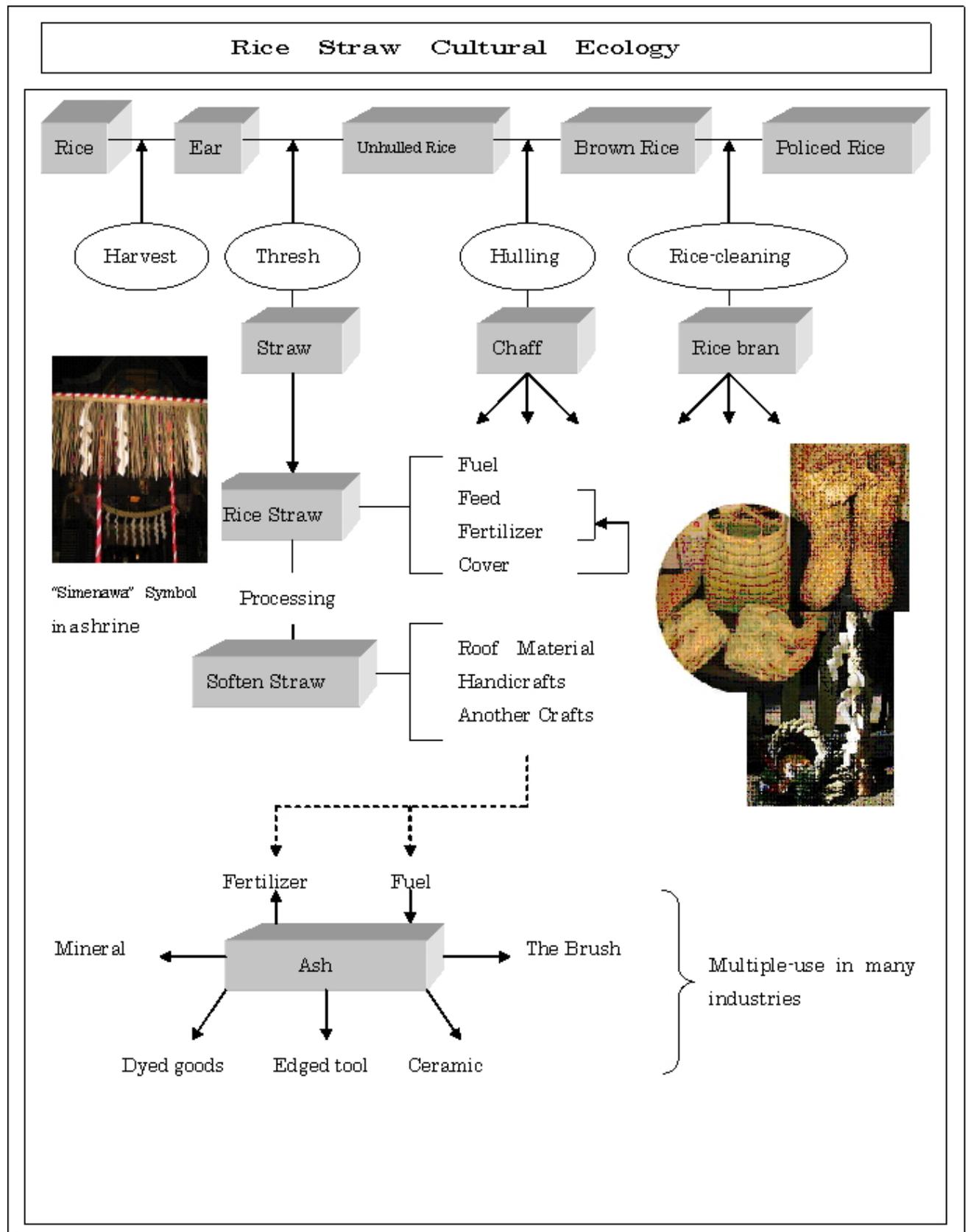


'The land does not have a soul condition, it actually REFLECTS our soul condition. (I have never said that the Land has a soul condition, because the land itself does not have a soul).'

The land is always attempting to repair itself, but man generally tries to destroy it through mans soul condition.'

Yeshua

9 Dec 10



# NEW BIOSPHERE AGRICULTURE

## "Beacons of Light"

### around the globe

