

Saving The Planet

Introduction

Science & Industry

Business & Acupuncture

Farming & Organics

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The Big Picture

Photosynthesis the Start of Life

Biological Rhizosphere

Nutrient Transfer Through Growing Root

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Fungi

Bacteria

Protozoa

Nematodes

Insects

Worms

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When You Use Plant Available Fertilizer The Biology is Killed off as the Plant No Longer Needs the Biology to Obtain Nutrient.

Humus Production, The Creation of Top Soil by Bacteria is Diminished Leading to an Overall Loss of Top Soil.

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The Fungi no Longer Agglomerate the Soil,
Minerals and Bacteria Together

The Soil Loses its Structure & can no Longer
Absorb & Hold Moisture

Unable to Hold the Water it Runs off as
Surface Water Carrying the Unbound Soil
Particles With it as Silt

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Biology Generates a Diverse Range Nutrients in
the Plant Depending on the Plants Specific
Rhizosphere

Killing the Biology and Only Adding Specific
Nutrient results in Lower Nutrient Content in
our Food

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There Has Been a 30 to 40% Reduction in the Nutrient Content in our Food over the last 50 Years.

This is a Very Sobering thought & it is Time to Take Steps to Turn this Around.

We **DO** Have the Answers

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Johnes is an Autoimmune Disease in Cows.

We used to Lose Around 6 Cows a Year due
to Johnes

We changed to Organics and this dropped to
3 Cows in Year 1, 1 in Year 2 and Have Now
had 7 Years Johnes Free.

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Autoimmune Disease is Becoming Rampant
in the Human Population.

IBS, Crohns, Lupus, Ulcerated Colitis etc.

This is **ALL** Happening Due to the Destruction
of the Diversity of Biology

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The Issue With Our Waterways is Rooted in
What we Are Doing to the Biology.

If We Only Do One Thing it Should be to
Foster Biological Diversity. This will Solve a
Myriad of Problems

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So How do We Go About Doing this?

Google Alan Savory's Ted Talk.

Get Dr Christine Jones to Come & Present to you, she is in NZ at Present

Visit Some Organic Farms & Understand What is Being Done & Why

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Grand Fathering the Right to Pollute &
Destroy the Biological Essence of Life is Mind
Blowingly Dumb

Grand Fathering This Right Has the Perverse
Effect of Making Sure People Pollute to the
Highest Level They Can.

The Message Loud and Clear is Don't Reduce
Your NRP or You Will Lose the Right to Pollute

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Our Farm Has had Between \$2 & 3 Million Taken of the Capital Value all Because we Have Tried to Find the Very Best Answers for the Planet & Humanity

To Add Insult to Injury the Process of Getting to Where we are has Probably Cost Over \$1 Million in Direct Costs & Lost Opportunity.

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Destroying the Capital Value in Every Organic Farm and ALL low Polluters properties is Morally Bereft.

The Incentives Have to be 100% in the Opposite Direction

How do You do This?

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Change the Rating Calculations & Make it Significant to Create Incentive.

The Very Best Operators Pay 10% of the Standard Rate

The Very Worst Pay 400% of the Standard Rate

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Work on Managing the Koi Carp Issue. They are a huge problem.

They are apparently YUK to eat but Fish is the Very Best Biological Fertilizer.

Lets pick the Communities Brains on how to do it and Finance Some PhD's

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You Can't solve the Water Problem with Descriptive Plans Because that Implies that ALL of the Wisdom in the World was Present when the Plan was Produced

Any Solution must be Results Driven.

This Can Only Happen if You Monitor and Manage Small Catchments

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How do You do This?

I Have Been Thinking About This and Have
come up with the Concept for a Device to
Automatically Monitor Streams feeding the
Rivers.

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The Device is a conductivity Probe and a Turbidity Meter Which is located in the Stream

This Would be Solar Powered and the Data Downloaded to the WRC say 4x/Day .

Any Poor Performing Stream Would then be Investigated in More Detail and the Source of the Problem Determined and Fixed

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We Are On A Journey.

We Don't Have All The Answers

We Have Some Extraordinary Organic
Farmers Out There Getting Extraordinary
Results Who have Mentored Me.

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Gavin Fisher

Ray Ridings

Nick Collins

Neville & Louise

Williams

& Bill Quinn

Visit them

Thanks you Listening