

Farming with nature: ZZ2 Perspective

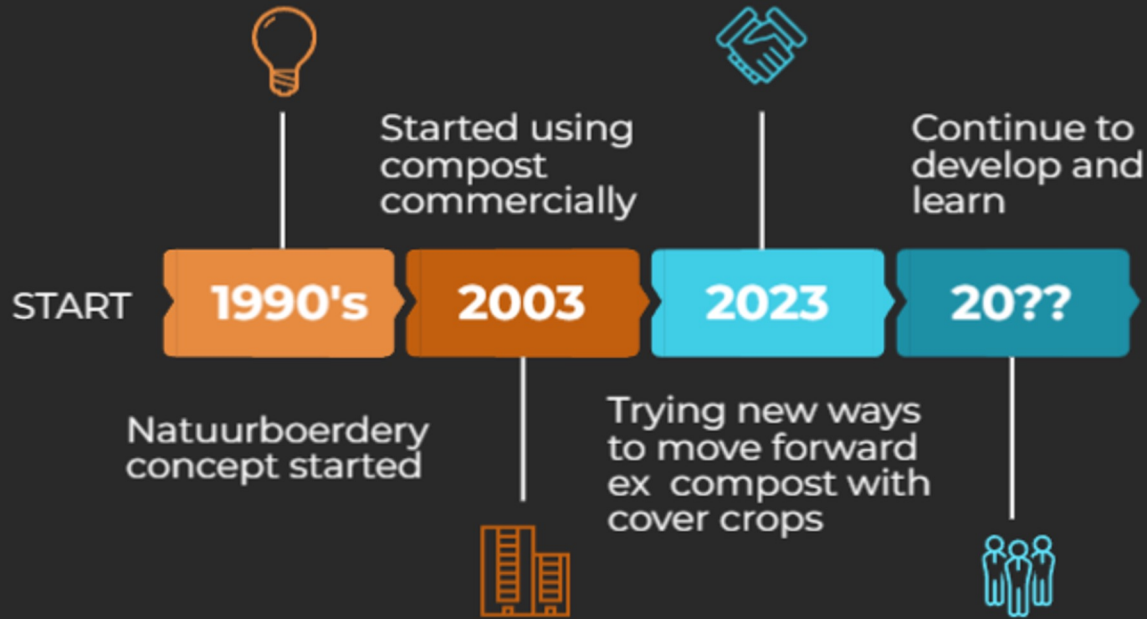
ZZ2



Ke tzywa tzywa



NATUURBOERDERIJ TIMELINE



1990's



BACKGROUND

More than two decades ago, ZZ2 started a journey that steered away from conventional, industrial agriculture towards a system that aims to farm in harmony with nature. We call this journey Natuurboerdery.

PHILOSOPHICAL FRAMEWORK

ZZ2 created their own set of rules for economically, socially and environmentally sustainable farming, inspired by insights gained from living ecosystems and classical philosophy within a living, open system.

1990's



SOIL AND PLANT NUTRITION

SOIL HEALTH was the first, and remains the most fundamental area of change to Natuurboerdery® practices. Soil ecosystems are diverse and complex and healthy soils play a major role in growing productive plants.

PLANT PROTECTION

Concomitant with, and boosted by, the healthy soil strategy was the drive for healthy plants and produce. That means moving away from easy, "quick fix" chemical solutions towards more complex biological solutions.

1990's



WATER MANAGEMENT

Whether natural or cultivated, healthy ecosystems rely primarily on water. ZZ2 balances the natural environment with technology to conserve and use water sparingly.

NATURE CONSERVATION

We fully realise that healthy natural ecosystems around us are not only the measure of our own agricultural system's health, but that our survival and future prosperity depend on their existence

CULTIVATION PRACTICES

The Natuurboerdery® philosophy is most visibly applied in farming operations themselves. Here the aim is to construct and maintain an artificial, healthy farming ecosystem in analogy to existing natural, functional ecosystems

STAKEHOLDERS

Healthy relationships with all our stakeholders are an integral part of Natuurboerdery®. Learning from nature that all forms of antagonism (e.g. competition and exploitation) are expensive and to be avoided, we make a conscious effort to build positive symbiotic relationships with all people we deal with.

1990's



DEFINING NATUURBOERDERY®

Natuurboerdery® is more than an effort to combat the systemic problems of large scale industrial farming (e.g. pollution, health hazards, agricultural sprawl and labour conditions).

It is a complete philosophical break with the industrial past.

2003

- Compost
- Mulching (Straw, wood chip)
- Fertilizer (N)
- Fully integrated management

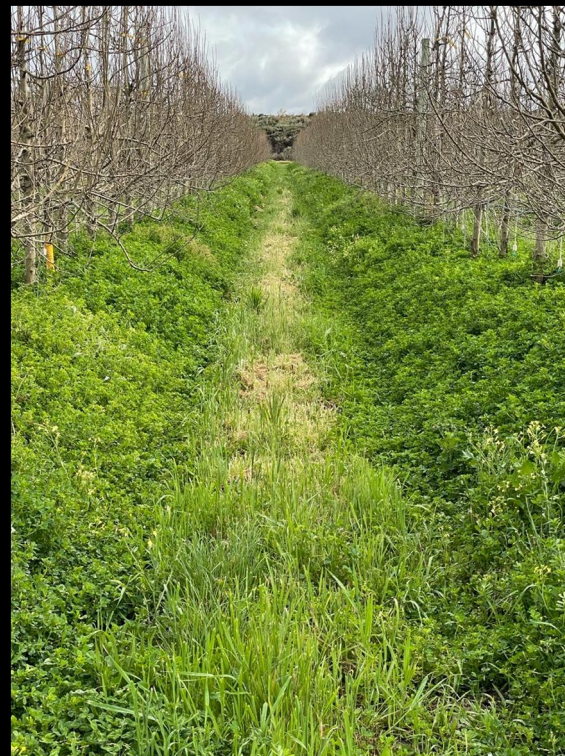


2023



2023

- Mulch replacement
- N-fixers
- K-fixers
- Plant biodiversity
- Insect biodiversity



- Zero Nematode and WAA treatments for 20+ years
- Higher average yields with good fruitsize, color and internal quality. (GDL-137t/ha, RGL-96t/ha, ERO-106t/ha, PLD-106t/ha)
- Good water use efficiency - 17-23 kg/m³



20??

- On farm beneficial organisms ...
- Chemical replacement ...
- Herbicide replacement ...
- Future Orchard design, Rootstocks , Cultivars ...
- Increased efficiency - energy, water, pack out...

Coddiwomple

(kod'ə wom pəl) (v.)

To travel purposefully toward
an as-yet-unknown destination.

! TheMindsJournal

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Thank you

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