

Field observations from 2008 – 2013

Can you feed your people in 2020?

*New science:
We understand what we were taught.
Real innovation lies in trying to understand what we see,
and to accept what we don't understand.*

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AgroSensi®

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History of food related power systems

Thousands of years ago a Hebrew boy named Joseph was sold by his brothers to some Egyptian traders. The story tells that this man later became the second in command just behind Pharaoh. Joseph prophesied that there would be seven years of hunger in Egypt after seven years of abundance. He advised Pharaoh to buy the abundant grains and store it for later use. When the hunger came, Joseph started selling grains to the hungry. When people ran out of money, they paid with their herds. When Pharaoh owns all the cattle, the money and everything of value, Joseph still supplies grains to the hungry, taking their lives as a payment. The people got enslaved. After the big famine, Pharaoh owned the land, the goods and all the people.

“Food is power”

Food powers today

Today some giant chemical / agricultural companies try to do the same as Joseph did for Pharaoh back then. They own the seed patents and sell their seeds every year because they took care that seed keeping is outlawed in some countries. They also sell chemicals that are absolutely necessary for growing their seeds. They practically own the food, so they own your people.

How to regain power

Use hybrid or organic seeds, without patents, to grow food for your people. Stay in control of free trade in agricultural goods. *Agrosensi*[®] products have shown a significant increase in yields in many field trials from 2006 to 2013 in The Netherlands. Product like onions, potatoes, corn, soy, vegetables and legumes have show significant yield increases. From 10% up to 45% increase in yields in non-GMO plants and non chemical products to reach that goal. **This true sustainable method is available now.**

If you want to take control again, what to do?

Test which plant or crop species react best on *Agrosensi*[®] products in your countries climatic conditions. Determine What your main plan will be to feed your people and boost exports with your surpluses, and then ACT!

One other thing

Phosphorus is an important component of artificial fertilizer. And since the amount of Phosphorus decreases every year, prices will rise. *Agrosensi*[®] products have shown a smaller use of this important component. You don't have to import as much as you do now. The same applies to the chemicals, mainly herbicides and pesticides. So lesser imports of foreign goods and more food for your people or for exports. This will tip the balance and increase the wealth of your nation.

Please remember:

“You are just 9 meals away from revolution”

Executive summary

- Regain power over your countries food supply
- Increase yields up to 45%
- Feed your people in a sustainable way
- Keep control
- Increase your agricultural exports
- Keep food prices down to avoid uprising
- Decrease food subsidies and balance the budget
- *Agrosensi* products supply a safe, cheap and sustainable way to get control back on your countries food system
- Stay afloat even with decreasing amounts of arable land

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Soy

Soy in the Netherlands

In 2013 the first trials with soy have been done on a larger scale. 11 farmers tried for the first time to grow soy in the Dutch climatic conditions, not really suited for tropical plants. The results were promising, since there were only two EU-approved species available for the latitude in the Netherlands. On all the projects the total yield was higher than the American average for 5 years. Because of the European ban on GMO, the tested species were hybrids. They say it will cost some ten years to grow a species that is optimized for the climatic conditions at hand. So much to gain

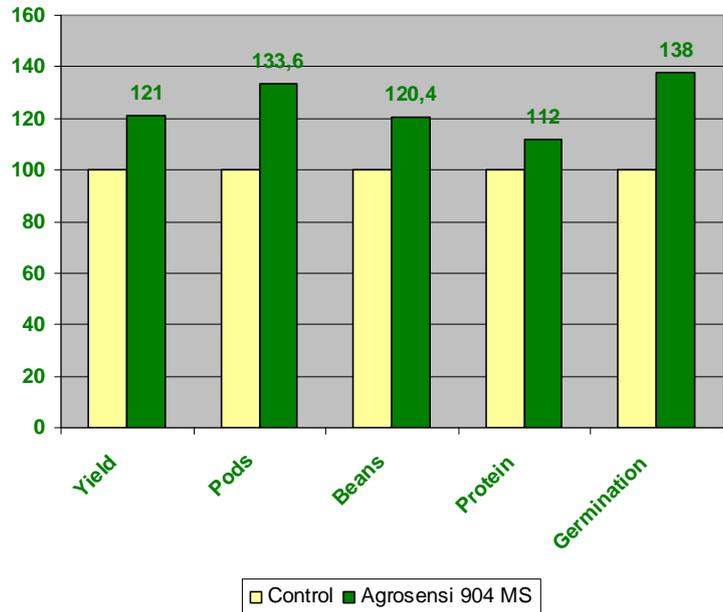
Future testing

Testing needs to be done on different species on different locations to find out the best species to grow. First select the species that suit your country. Second, test large areas in different climatic conditions and compare the Agrosensi treated areas to untreated areas. Weighing and laboratory test will show the differences. In the Netherlands tests have shown a 35% increase in Protein per hectare between Agrosensi-treated and untreated plants.

Sustainable agriculture made easy



Performance in 2013 in The Netherlands



Executive summary

- Environmentally friendly
- 35% protein increase per hectare (higher yield + higher protein content)
- Yield increase up to 21% in tons per hectare
- No increase in fertilizer use and still more yield
- To increase output per hectare, spray 4 times 1 litre per hectare, mixed with water

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Onions

Onions

Onions is a much used food component. Worldwide the trade in onions is enormous. The price of onions is strongly connected to the availability of enough onions per season. If there is just 1 Kilo too much, prices will plummet. If there is 1 Kilo short, prices will explode.

Results

The world market is shaken when there are surpluses in some parts of the world. The extra yield will be dumped in less fortunate countries. The price of the local farmers plummet and sometimes they are out of business, totally beyond their control. The next year you will depend even more on foreign imports.

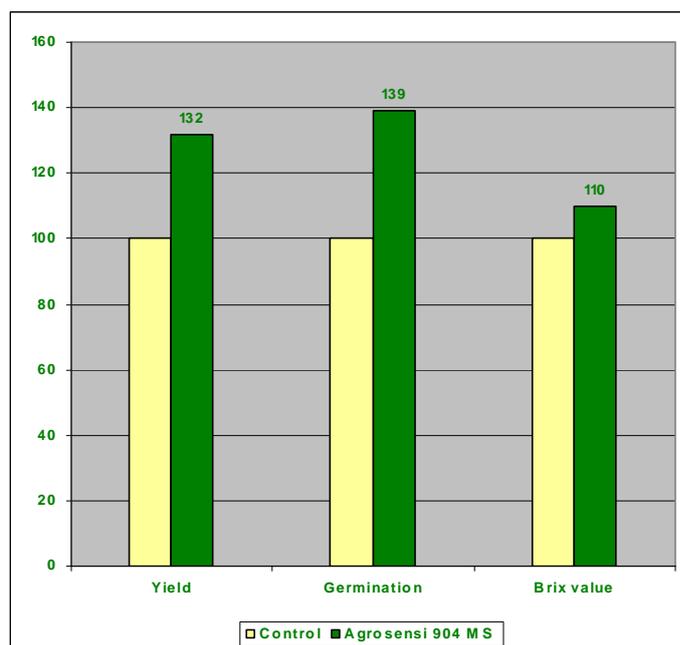
Species and yields:

Highfield : + 32 % yield increase (2010)
Dormo : + 12 % yield increase (2010)
Highfield : + 26% yield increase (2009)

Species and how to choose

Yield increases vary between species. So, the best thing is to test in different environments and climatic conditions what the best local result will be on a species used in your environment.

The use of **Agrosensi 904** does not disrupt the markets and species used. You still can rely on the brands you use in your country.



Executive summary

- Environmentally friendly
- Yield increase up to 32% in tons per hectare
- No increase in fertilizer use and still more yield
- Higher BRIX value means longer shelf life, so you do not depend on the new harvest too soon
- To increase output per hectare, spray 4 times 1 litre per hectare, mixed with water

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Potatoes

Increasing importance of potatoes

Potatoes is one of the main food crops on this earth. An increasing number of countries is growing potatoes in stead of rice, because of its higher food content per hectare. Since the amount of arable land is decreasing around the world, potatoes become an even more important crop.

Species

Around the world there are many different species, all suited for a specific target. Some to grow high starch content, some with high dry matter content, some for long storage. Depending on the goal, a choice needs to be made to pick the best option for the climatic conditions and the goal.

Disease resistance

Disease is the big enemy of all plants. Weak plants will get more diseases and make the crop fail. **Agrosensi 904** increases the plant strength, to fight diseases on its own, avoiding excessive use of chemicals.

Some field observations

In the years 2006 to 2013 many tests have been carried out in the open field. Some very remarkable things have been seen as a result of spraying **Agrosensi 904** on large areas of potatoes.

1. Shorter time to harvest (about 3 weeks)
2. More tubers per plant
3. More medium sized tubers and less small or very big ones.
4. Flood resistance on Bildstar, an old species, vulnerable to wet conditions. The crop survived 6 weeks of heavy rainfall and has been harvested, giving the best result ever for this farmer. Even though he had to pick out rotten potatoes 4 times, he was left with the highest yield ever on his farm. His col-



leagues had to plough under, because they were not able to harvest because of rotting plants.

5. Tubers were smoother, less deep eyes
6. Better drought resistance

Your situation

Since there is a great difference between species, testing in the climatic conditions of your country needs to be done. Also selection of species is very important. In field trials we saw that "old" species do much better with **Agrosensi 904**. So, increased performance with already existing species is biggest.

Executive summary

- Environmentally friendly
- Yield increase up to 26% in tons per hectare
- Potatoes taste better
- More potatoes per plant (2 - 4 tubers per plant)
- Less smaller potatoes and less very big ones
- No increase in fertilizer use
- To increase output per hectare, spray 4 times 1 litre per hectare, mixed with water

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Maize / Corn

Maize

Maize is grown as feed for cattle and in many countries also for humans. Maize is easy to manipulate in industry. Many products can be made of it. Sweeteners, packaging materials, instant coffee, paint, pharmaceuticals, gypsum drywall, tooth paste, etc.

Starch

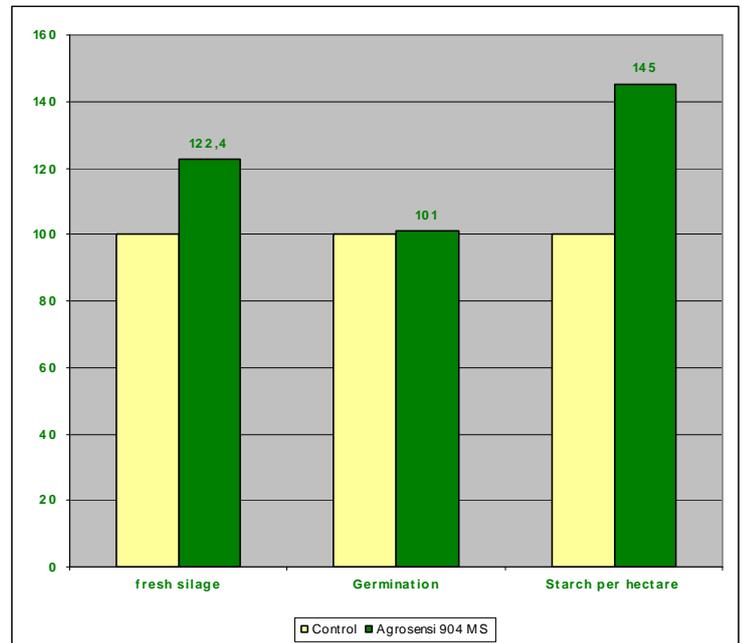
Starch is the main ingredient of maize. The higher starch, the better maize. As cattle feed, starch is producing milk and meat in the dairy cow. In industry starch is the main component to make sweeteners.

Bio fuels

Maize is also used as fuel for biomass installations that generate electricity. It also is converted in technical installations to generate fuel for cars. In many countries 10% to 20% is added to mineral oil products to fuel mobility. Even airplanes fly on it.

Social impact

Since the price of arable land is rising because of higher demand for fuels, people starve, They no longer are able to buy food because of high prices. Food riots are seen in increasing numbers over the last 5 years. Also subsidies on food explode and are not sustainable for many countries.



Executive summary

- Environmentally friendly
- Starch yield increase up to 45% in tons per hectare
- No increase in fertilizer use and still more yield
- To increase output per hectare, spray 3 times 1 litre per hectare, mixed with water

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Trees



Trees on the right are planted 2 months **earlier**. Trees on the left have been trimmed on the sides and on top and have grown a complete new top in lighter green. Trees on the right have slightly been trimmed on the sides, not the top.

Seen from behind



Executive summary

- Environmentally friendly
- Recovers trees that are dying
- Optimizes fertilizer use
- Restores “performance”
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Weeds

Weeds and why they grow

Weeds are unwanted plants that grow where they feel most at home. Why do farmers create an environment that makes weeds thrive?

Weeds have an important function in nature, they supply the missing trace elements and restore soil balance. The use of artificial fertilizers in the last 50 years is the main cause of soil exhaustion, combined with huge amounts of chemical herbicides, fungicides, insecticides. In short, all chemical substances bind minerals in the soil, so they are not available to plants.

Weeds and what to do?

The environment finds its own way to restore soil balance. The weeds are "called for". So, in stead of burning the weeds away by poisoning, try the other way and feed the crops you want. Try to establish soil balance by giving the right amount of minerals and trace elements. This will solve the big part of the weed problem.



Agrosensi testing on weeds

On a few test sites we sprayed our **Agrosensi® 927** just once, during seeding. The spray puts the soil in a state of balance. A balanced soil has a set of nutritional components that will only allow certain weeds to grow. The weeds that grow in this balanced environment are simple and easy to handle. You don't have to fight them at all. These weeds will also restore the soil's Nitrogen, when ploughed under, after harvest. Reduced use of chemical weed killers, or a complete abandonment, will set free the tied up minerals and feed your crops.

Since weed killers have a strong stress effect on the crops, you have 1 to 2 weeks extra growing time, when not using chemicals. So you lower costs and increase yields at the same time. Literature on how to cope with weeds and fertilisation to conquer weeds will be available shortly.

Future testing

Extensive testing needs to be done on this product in the near future. In field trials we have seen the principle working. Just a few harmless weeds germinated and stayed very small, not needing any poisons. Spraying Agrosensi 927 more often, in stead of only once, had adverse effects. So, the cheapest way is also the best.

Sustainable agriculture made easy

Executive summary

- Less or no herbicide use
- No plant stress because of spraying chemicals
- No fertilizer loss because of binding fertilizer to chemicals
- Environmentally friendly
- Weed as fertilizer and cover crop
- Increased Nitrogen production
- Small weeds help to cover soil and decrease water consumption and vaporising water in periods of drought

Needs more testing . .

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