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- Trail Results (Scientific and Field Trails)
- Cost/Benefit analysis



SanoVita in brief

Sanovita researches, develops and produces naturally occurring minerals, plant extracts, and amino and humic acids with the aim of transforming farming practice.

Our methods deliver innovative solutions that enhance soils, seeds, plants and animals, directly boosting organic vigour, harvest volume, product quality and shelf life, and weather and pest tolerance, among many other advantages.

Farmers see a significant increase in crop yield, water management, plant vitality, tolerance of temperature and water extremes, resistance to diseases and pests, improved product quality and extended shelf life.

The result is a winning combination of sustainable agriculture with real benefits to the lives of farmers, consumers and the environment - as well as significant profit potential.

SANOVITA Produktions- und Vertriebs GmbH Company Organization Chart

Sanovita Produktions & Vertriebs GmbH
Tuttlingen, Germany

SANOVITA



Worldwide acting structure of the SANOVITA GmbH with more than 20 authorized partners on different continents in more than 45 countries



Sanovita India Pvt. Ltd
Ludhiana, India



OOO Sanovita RUS
Moscow, Russia



Sanovita Brazil
Goiania, Brazil

INNOVATIVE SOLUTIONS.

Our products and methods transform industry mind sets, farming methods and commercial results.

UNIQUE METHODOLOGY.

We accelerate farmers' productivity and development by sharing best practice and supporting them throughout the crop lifecycle.

PROVEN RESULTS.

Our solutions, twelve years in development and testing in over fifty countries, deliver quantified and substantial outcomes.

IN-DEPTH RESEARCH.

We collaborate actively across the agriculture sector to create scientifically proven customer value.

LONG-TERM COMMITMENT.

We are dedicated to leading the industry towards sustainable agriculture through our research, development and production.

WHAT WE STAND FOR.

Farming a
brighter
future.



 **sanovita**

Farming a brighter future

In a world where shrinking cultivable land areas, soil degradation, water shortages, rising labour costs and an increasing worldwide demand for low-carbon food grows the pressure on farmers to adopt sustainable methods in everything they do.

We believe that our long-term commitment to developing a radically new natural mineral -based approach to agriculture will enhance farming performance and the future of all of us.

Our methods deliver innovative solutions that enhance soils, seeds and plants, directly boosting organic vigour, harvest volume, product quality and shelf life, and weather and pest tolerance for the benefit of the entire farming ecosystem.

Working together with us results in is a winning combination of sustainable agriculture with real value for the lives of farmers, consumers and the environment.

Trust Nature.



THE SANOVITA METHOD/CONCEPT

In a world where healthy land, agricultural value chain efficiency and increasing demand for food products are everyday topics, we are dedicated to help you to make the most of their agricultural equity.

The Sanovita Method designed to help you care for, grow and harvest the outputs of your land will not only ensure that yearly production, it will define new levels of quality and quantity, but also meet the expectations of future generations.

Partnering with us to tailor the treatment of your equity during the lifecycle of each crop and harvest will help you to optimise long-term sustainability.

Trust Nature.



The Sanovita Method/ Concept

Foliar fertilization

1. Higher photosynthesis activity
2. Increase of chlorophyll efficiency
3. Enhanced tolerance against biotic and abiotic stress situations
4. Plant strengthening

= **HIGHER NET ENERGY**

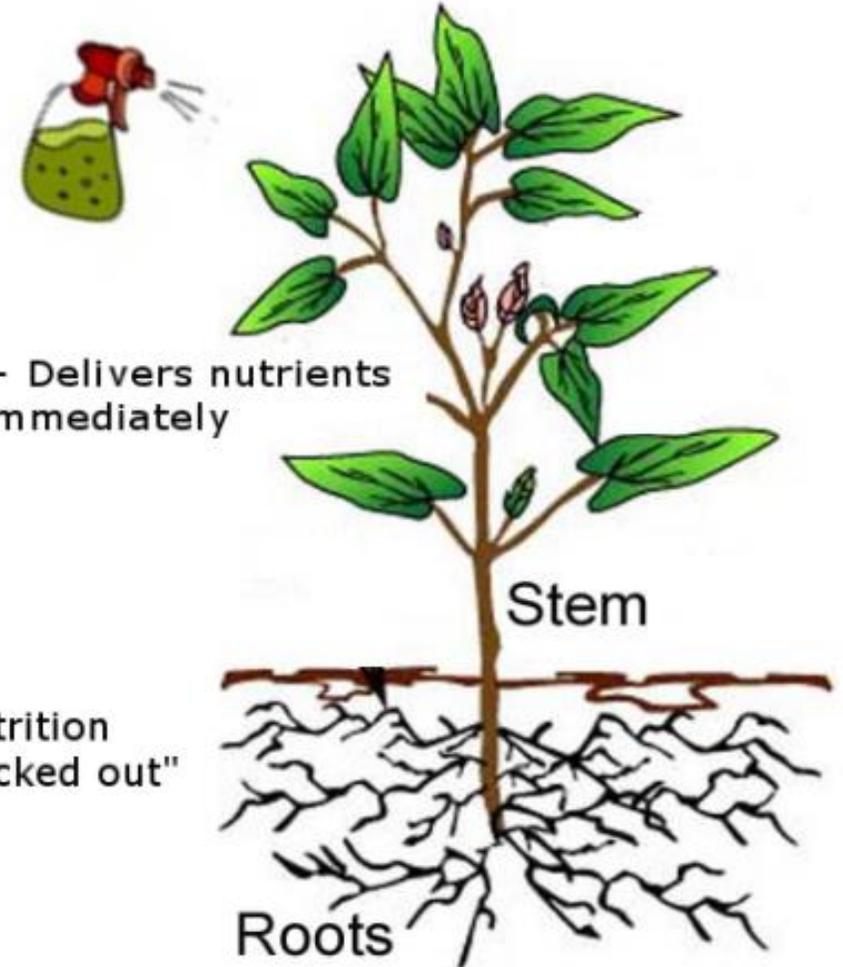
General effects of herbagegreen®

- ✓ Significant yield increase
- ✓ Plant strengthening
- ✓ Increase tolerance against abiotic and biotic stress
- ✓ Faster growth of plants, reducing of harvesting cycles
- ✓ Substantial increase of dry matter (fruits)
- ✓ Earlier maturity of fruit
- ✓ Significant increase of shelf life and freshness
- ✓ Better sales prices and financial results

= **HIGHER PROFITS FOR FARMERS**

Benefits of Foliar Feeding

1. Saves Money - Reduces need for conventional fertilizers



2. Fast Acting - Delivers nutrients to the leaves immediately

3. Provides nutrition if roots are "locked out"

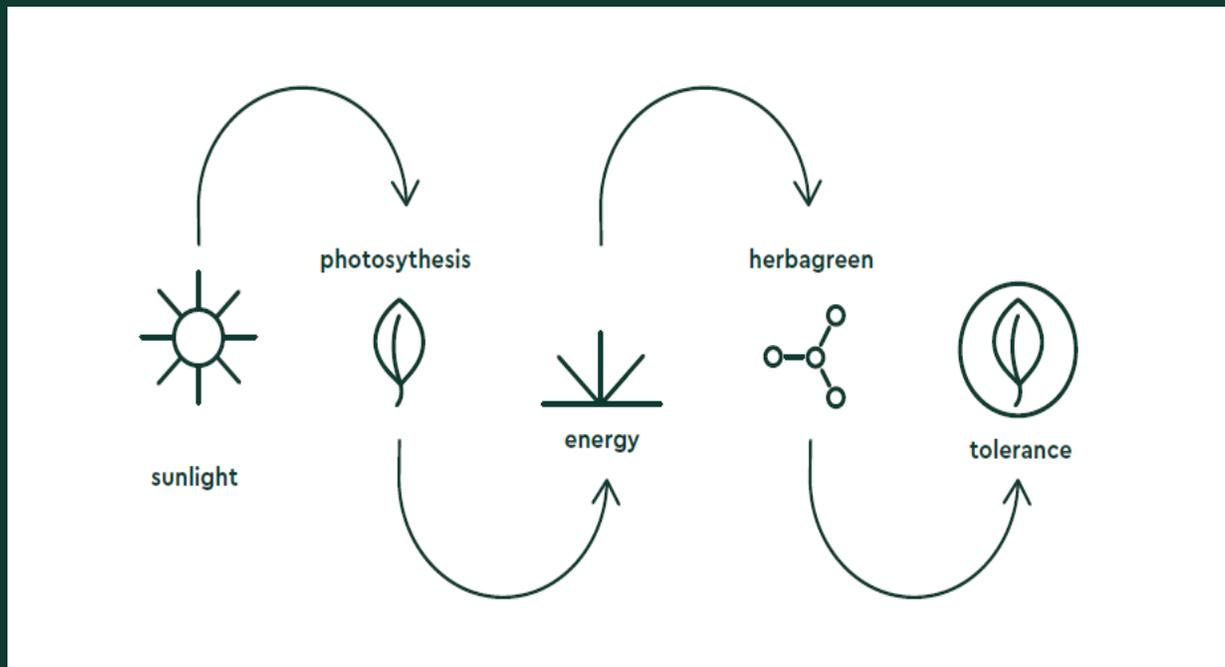
4. Helps break through nutrient lockout

The Sanovita Concept

The Sanovita concept provides nutrients, e.g., Iron, magnesium and micro-nutrients stimulate the metabolism of plants to enhance chlorophyll synthesis and its efficiency.

Photosynthesis is the basis for plant growth. An improvement in photosynthesis consequently leads to increased plant growth.

Increase tolerance against abiotic and biotic stress



Biotic stress is the result of damage to plants by other living organisms, such as bacteria, viruses, fungi, parasites, beneficial and harmful insects, weeds, as well as cultured native plants.

Abiotic stress is defined as the negative impact of non-living factors on living organisms in a certain environment. (Dryness, moisture, frost and heat damage, etc.)

CULTIVATING QUALITY during the entire crop lifecycle.

Our proven solutions, twelve years in development and testing, improve plant metabolism to increase root growth, strengthen immune systems, and raise fruit and harvest volumes to levels significantly higher than those obtained with a conventional agricultural approach alone.

The main beneficial effects of the Sanovita Method are:

INCREASED PHOTOSYNTHESIS activity through the provision of elements including iron, magnesium and micronutrients, together with plant metabolism stimulants that enhance chlorophyll synthesis and efficiency.

GREATER RESISTANCE AGAINST BIOTIC AND ABIOTIC STRESS provided by ingredients such as naturally occurring silicon and micronutrients to promote the synthesis of enzymes that degrade stress metabolites.

STRONGER, MORE ROBUST PLANTS produced by macro- and micronutrients that support the synthesis of phytoalexins, one of the most important of a plant's self-defence elements.

The combined result of the Sanovita Method is higher net-photosynthesis energy output, which in turn promotes better root and stem growth, improved vigour, and greater tolerance of temperature extremes and drought.

The Sanovita Method is a unique way of profiting from our knowledge, experiences from testing and piloting practices and expertise in assisting farmers along the lifecycles of their crops. Embarking on a common journey will optimize your sustainable performance

**HOW? THE
SANOVITA
METHOD.**

FOR SUSTAINABLE PERFORMANCE.

Healthy soils, seeds and plants for your healthy business. Our approach to sustainable and profitable agriculture is holistic, embracing the many relationships and interactions within the farming process. Sanovita treatments are specifically designed to enhance the performance of soils, seeds and plants, in each case delivering the potential for significantly increased profitability.

SOIL HEALTH: We introduce microorganisms, minerals, trace elements and an ample water supply to create a fertile soil that in turn promotes a vigorous supply of nutrients to the plant.

Complementary nutrients added // Cation Exchange Capacity (CEC) increased // Higher water retention // Improved soil fertility due to higher microbiological activity.

SEED HEALTH: Our treatment controls the microorganisms that live in association with the plant root and increase its volume. As a result, roots absorb more nutrients and crop yields improve, both quantitatively and qualitatively.

Crop quantity and quality improved // Stronger root growth // Significantly increased root microorganism activity // Seed treatment products available for most agricultural crops.

PLANT HEALTH: optimal plant treatment and nutrient supply ensure greater vitality and better plant condition. The healthier the plant's nutrient supply, the stronger its metabolism and immune system, and the better the quality of its crop.

Crop quantity and quality improved // Higher vitality and increased plant strength // Better root and stem development // Longer shelf life of fruits and vegetables.



Baden-Württemberg
REGIERUNGSPRÄSIDIUM STUTTGART
LANDWIRTSCHAFT, LÄNDLICHER RAUM, VETERINÄR- UND LEBENSMITTELWESSEN

Regierungspräsidium Stuttgart - Postfach 8047 80 - 70507 Stuttgart
Stuttgart 10.06.2015
Kasse: Melanie Fuchs
Dachstuhl 0711 804-13316
Mehrschicht 33-4222 (24h-Kontakt)
(Bitte bei Anfragen angeben)

Sanovita Produktions- und Vertriebs GmbH
z.H. Rudolf Linke
Bahnhofstraße 71
D-78532 Tuttlingen
Germany

Ämtliche Düngemittelverkehrskontrolle Baden-Württemberg

Konformitätsbescheinigung

Hiermit bestätigen wir, dass das Produkt

herbagreen® Z20

den Anforderungen der Verordnung (EG) Nr. 2003/2003 des europäischen Parlaments und des Rates vom 13. Oktober 2003 in der zur Zeit gültigen Fassung entspricht und somit in der Bundesrepublik Deutschland und den Staaten der Europäischen Union in den Verkehr gebracht werden darf.

Diese Bescheinigung beruht auf den Angaben des Herstellers und der vorgelegten Deklaration. Die vorgelegten Unterlagen sind Bestandteil dieser Konformitätsbescheinigung. Der Hersteller ist für die Übereinstimmung des „EG-Düngemittels“ mit der VO (EG) Nr. 2003/2003 verantwortlich. Eine stoffliche Untersuchung des Produkts wurde nicht durchgeführt.

Stuttgart, den 16.06.2015

Gez. Melanie D Fuchs

Demokratische Republik: 31 78532 Stuttgart Telefon 0711 804-1 Telefon 0711 804-33991-111 0711 33331-11111
Telefax 0711 804-13316 www.rlp.bwl.de
Hilfsleistungen: 33-4222 (24h-Kontakt) www.rlp.bwl.de




www.organicinputs.org 14/12/2020

CERTIFICATE OF CONFORMITY

On the basis of the documents submitted, it is confirmed that the following commercial products meet the requirements for use in Organic Farming in accordance with the Regulations or Standards listed below.

Company: Sanovita Produktions- und Vertriebs GmbH
Bahnhofstraße 71 DE 78532 Tuttlingen
E-Mail: info@sanovita-gmbh.de Internet: www.sanovita-gmbh.de

Product: herbagreen® Z20
Fertilizers, composts, soils and technical materials Foliar fertilizers

Comment company: Mixture of calcium

The above named product meets the requirements laid down in the following regulations/standards and may be used as specified by the above cited category(ies).

Bioland Germany
Demeter Germany
Only upon evidence of deficiency symptoms and after expert recommendation, otherwise preferably ground fertilization

Demeter International
Only upon evidence of deficiency symptoms and after expert recommendation, otherwise preferably ground fertilization

Ecovin Germany
Nach aktueller Bodenanalyse oder Beraterempfehlung

FiBL Inputs list for the organic agriculture in Germany, resp. FiBL Inputs list for organic processing

Göa Germany
Naturland Germany
Reg. (EC) 854/2007

Restrictions stated for the regulation/standard 'Reg. (EC) 854/2007' are also valid for the other cited regulations/standards.

This Certificate of Conformity is valid until: 31.01.2022

For products for which the standard "FiBL Inputs list for the organic agriculture ..." is not shown the user must ensure compliance with national legislation prior to using the product.

The general and associated legal regulations for the use and application of the named inputs must be read. All information is without guarantee. FiBL and the Standard owners (associations) disclaim any liability in connection with the use of the named products. page 1 of 1




www.organicinputs.org 14/12/2020

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Bahnhofstraße 71 DE 78532 Tuttlingen
E-Mail: info@sanovita-gmbh.de Internet: www.sanovita-gmbh.de

Product: herbagreen® classic
Fertilizers, composts, soils and technical materials Foliar fertilizers

The above named product meets the requirements laid down in the following regulations/standards and may be used as specified by the above cited category(ies).

Bioland Germany
Demeter Germany
Only upon evidence of deficiency symptoms and after expert recommendation, otherwise preferably ground fertilization

Demeter International
Only upon evidence of deficiency symptoms and after expert recommendation, otherwise preferably ground fertilization

Ecovin Germany
Nach aktueller Bodenanalyse oder Beraterempfehlung

FiBL Inputs list for the organic agriculture in Germany, resp. FiBL Inputs list for organic processing

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E-MAIL Stephanie.Zagon@bvl.bund.de
AKTUELLE NUMMERN 206 21020 0 94365

Sanovita Produktions- und Vertriebs GmbH
Bahnhofstraße 71
78532 Tuttlingen

ZERTIFIKAT

Hiermit bestätige ich, dass die Firma Sanovita Produktions- und Vertriebs GmbH, Bahnhofstraße 71, 78532 Tuttlingen, Inverkehrbringer des folgenden Produkts ist:

Fluisan

Dieses Mittel ist in die Liste der Pflanzenstärkungsmittel gemäß § 45 PflSchG aufgenommen worden und darf daher in Deutschland in Verkehr gebracht und angewandt werden.

Das Produkt ist in der Bundesrepublik Deutschland unter der Kern-Nr.: LSN 007882-00100 gelistet.

Fluisan darf von der Firma Sanovita Produktions- und Vertriebs GmbH in Deutschland als gelistetes Pflanzenstärkungsmittel frei verkauft oder exportiert werden.

Braunschweig, 2015-11-25

Joachim Künze
Joachim Künze
Legal advisor

Dieses Dokument wurde von einer in Deutschland / EU zuständigen Stelle / Institution / Behörde ausgestellt.
Braunschweig, den 30. NOV. 2015
Vermerk des Sachverständigen Braunschweig
L. K.

Deimling

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Bismarckstr. 10, 306 262
30118 Braunschweig
Tel. +49 (0)51 21410-1
Fax +49 (0)51 21410-260

Abt. Pflanzenstärkungsmittel
Mühlentor 1115
38104 Braunschweig
Tel. +49 (0)51 299-1
Fax +49 (0)51 299-3002

Deutsche Bode
Mühlentor 1115
38117 Bode
Tel. +49 (0)51 16444-003
Fax +49 (0)51 16444-89999

Reifinger, Untersuchungen
Deiminger Weg 1
12277 Berlin
Tel. +49 (0)30 18412-0
Fax +49 (0)30 18412-3093

PRODUCT APPROVALS

- ✓ Federal Office of Consumer Protection and Food Safety
- ✓ Regional Council Stuttgart/Germany for Agriculture, Rural Areas, Veterinary and Food Administration
- ✓ FiBL Research Institute of Organic Agriculture



BIO FERTILIZERS FOR STRONGER GROWTH.

Our innovations, nutrients and products are based on purest and natural foundations.

They are meant to help you care, grow and farm your crops in the most impactful way while transforming your practices to support positive agricultural development.

Joining our movement makes your operations, performance and crops more sustainable.

Goods grown with our method will enhance quality, quantity and longevity, and the lives of the consumers and the ecosystem of theirs.

Trust Nature.





NURTURE YOUR CROP TO IT'S POTENTIAL.

As nature, every crop has it's life. Nurturing them in ways that enhances their strengths makes a substantial difference for how they grow, last and live.

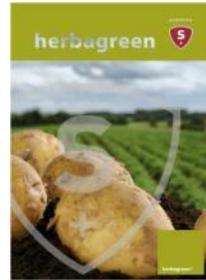
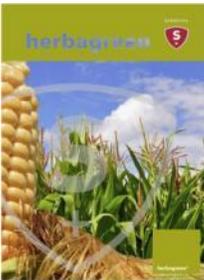
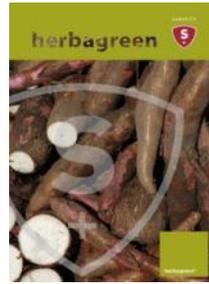
Our crop specific treatment programs are based on the purest, most natural and impactful ingredients that so far have been applied within modern agriculture.

Our evidence based, certified and sustainably sourced nutrients will give you more and better outputs for each area of farmed land.

We are committed to help you make the most of every seed, season and harvest.

Powered by Nature. Fueled by science.





TRIAL RESULTS

Partial overview of various test for different crops

- Apples
- Beans
- Cassava
- Cereals/Wheat
- Cherries
- Citrus
- Cocoa
- Coffee
- Corn/Maize
- Cotton
- Grapes
- Potatoes
- Rice
- Soybeans
- Sugar Beet
- Sugar Cane
- Tobacco
- Vegetables

Apples

Country: Poland - Grojec
Year: 2011
Crop: Apple - Variety Ligol
Trial: Field Trial
Realised: Natural Crop Poland
Parameter: Colouration, Calibration



Control



Herbaggreen



Apples

Country: India - HP - Ratnari
Year: 2016
Crop: Apple
Trial: Field Trial
Realised by: Prof. S.P. Bhardwaj
Prof. Dilawari
Parameter: Recovery after hail damage



Control



Herbagroen



Apples

Country: Italy
Year: 2017/2018
Crop: Apple
Trial: Soil improvement with herbaland®
Realised by: Dr. Dr. E. Mayer / R. Klausner
Parameter: New young Appletrees
Fast development
Earlier Fruit set



Control



Herbaland®



K

herbaland®

Z

herbaland®

SanoVita GmbH deals with the recultivation of degraded land, taking into account people (subsistence farming) and sustainable water, environmental and energy systems.



Control



Herbagreen



Plants that were sprayed with herbagreen® + herbagreen® fluisan had **22.08% higher yield** in terms of number of beans pod per plant than control plants.

In addition, beans from treated plants produced **22.42% higher weight** than beans from control area.

BEANS

Country:	Brasil
Year:	2015
Crop:	Beans
Trial:	Field Trial
Realised:	C. Karkle
Parameter:	Yield increase



Control - Ø 4.434 kg

Herbagreen - Ø 7.174 kg



CASSAVA

Country: Brasil

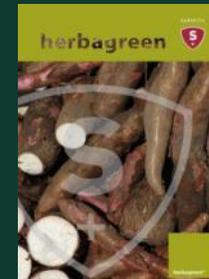
Year: 2015

Crop: Cassava

Trial: Field Trial

Realised: E. Moura de Paula/C. Karkle

Parameter: Yield increase



 **sanovita**

CEREALS/WHEAT

Country: India - HP - Ratnari

Year: 2016

Crop: Wheat

Trial: Field Trial

Realised by: Prof. Dilawari

Parameter: Root development



Control



Herbagreen



Significantly improved root development with herbagreen® and herbagreen® fluisan



CERRIES

Country: Switzerland
Year: 2018
Crop: Cherries
Trial: Field Trial
Realised by: P. Hungerbühler
Parameter: Yield increase, Size, Quality



Control

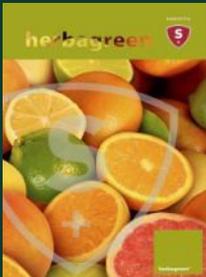


Herbtagreen



CITRUS- LIME

Country: Thailand
Year: 2012
Crop: Citrus
Trial: Field Trial
Realised by: W. von zur Mühlen
Parameter: Fruit set/Flowering



Control



Herbagreen



In the case of Lime farming, our users have realized that **Herbagreen** produce throughout the year continued new blossoms and fruits.



Control

Herbagreen



The degree of fermentation can be determined by the colour.

Basically, "slaty beans", i.e, beans with a slaty colour, a sign of poor or no fermentation, are counted as defects.

COCOA

Country: Brasil
Year: 2018
Crop: Cocoa
Trial: Field Trial
Realised: E. Moura de Paula
Parameter: Cocoa Fruit quality



 sanovita

Control



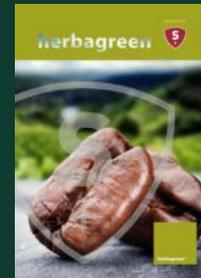
Herbagreen



By regular **herbagreen®** applications, a healthy nutrient balance for the whole environment and plant is achieved.

COFFEE

Country: Brasil
Year: 2018
Crop: Coffee
Trial: Field Trial
Realised: E. Moura de Paula
Parameter: Plant/Leaf development



Control



Herbageen



COFFEE

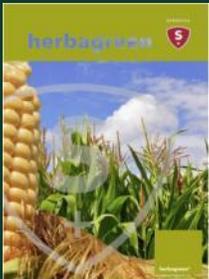
Country: Brasil
Year: 2018
Crop: Coffee
Trial: Field Trial
Realised: E. Moura de Paula
Parameter: Fruit development



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CORN/MAIZE

Country: Brazil/Parana
Year: 2018
Crop: Corn/Maize
Trial: Field Trial
Realised by: C. Karkle
Parameter: Drought resistance



Control

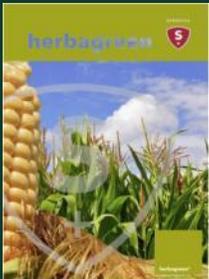


Herbagroen®



CORN/MAIZE

Country: Brazil/Parana
Year: 2018
Crop: Corn/Maize
Trial: Field Trial
Realised by: Fazenda Altamiro/Morrinhos
Parameter: Root development



Control

Herbagro®



Herbagreen

Cotton Yield Estimate (14.10.17)

Control

Trial Plot 5	Treated			Trial Plot 5	Un - Treated		
Plants selected for Estimate	Square	Flowers	Bolls	Plants selected for Estimate	Square	Flowers	Bolls
1 st Plant			11	1 st Plant			6
2 nd Plant			13	2 nd Plant			8
3 rd Plant			16	3 rd Plant			7
4 th Plant			19	4 th Plant			10
5 th Plant			14	5 th Plant			4
6 th Plant			9	6 th Plant			5
Total	0	0	82	Total	0	0	40
Average Nos.	0	0	14	Average Nos.	0	0	7
40% Fallen	0	0	0	40% Fallen	0	0	0
60% Become Flower	0	0	0	60% Become Flower	0	0	0
10% Fallen	0	0	0	10% Fallen	0	0	0
90% Become Boll	0	0	12	90% Become Boll	0	0	6
10% Fallen	0	0	1	10% Fallen	0	0	1
90% Become bal.Boll	0	0	11	90% Become bal.Boll	0	0	5
15% Not Open	0	0	2	15% Not Open	0	0	1
Balance Opening Boll	0	0	9	Balance Opening Boll	0	0	5
Balance Opening Boll	9			Balance Opening Boll	5		
Average 6000 plants per Acre No. of opening Bolls	56457			Average 6000 plants per Acre No. of opening Bolls	27540		
Average 3.0 grams per opening Boll total grams per Acre	169371			Average 3.0 grams per opening Boll total grams per Acre	82620		
Total Production / Acre in Kgs	169.37			Total Production / Acre in Kgs	82.62		

COTTON

Country: India

Year: 2017

Crop: Cotton

Trial: Scientific Trial

Realised: Prof. Dilawari/SanoVita India

Appachi Ecologic Cotton Pvt. Ltd. Tchibo

Parameter: Plant development



Control



Herbagreen



GRAPES

Country: Iran
Year: 2017
Crop: Grapes
Trial: Scientific Trial
Realised: Dr. Mostafa Mirzaei/MPX Co.
Parameter: Yield increase, Quality



 **sanovita**

Control



Control
70 tubers

Herbagreen

**Herbagreen® Z20 +
herbagreen® fluisan**
118 tubers



POTATOES

Country: Germany
Year: 2014 - 2018
Crop: Potatoes - Var.: Gala
Trial: Scientific Trial
Realised: Dr. Hetterich
Parameter: Effect of herbagreen Method/Concept



 **sanovita**

Control

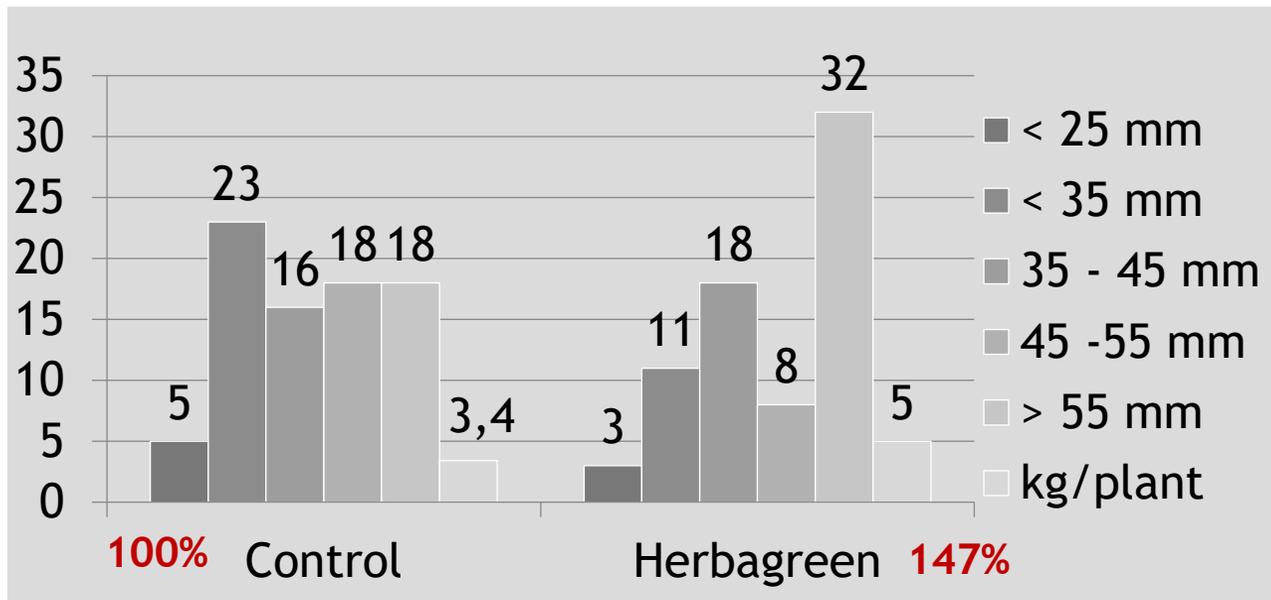


Herbagergreen

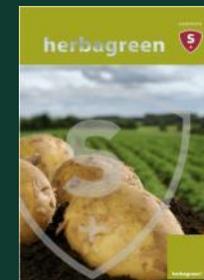


POTATOES

Country: Germany
 Year: 2014
 Crop: Potatoes - Var.: Princess
 Trial: Scientific Trial
 Realised: VSE Ebstorf
 Parameter: Effect of herbagergreen on size



Influence of herbagergreen on potatoe size and sorting
Yield increase 47%



Control



Control 300 gr./plant

Stolone development



Herbagegreen



herbagegreen® 550 gr./ plant

Stolone development



POTATOES

Country: India
Year: 2018
Crop: Potatoes - Var.: Princess
Trial: Field Trial
Realised: Prof. Dilawari
Parameter: Amount and weight of Tubers
Stolone development



 **sanovita**

RICE

Country: France/Carmargue
Year: 2013
Crop: Rice
Trial: Scientific Trial
Realised by: CFR Institute
Parameter: Root development
Panicle Size



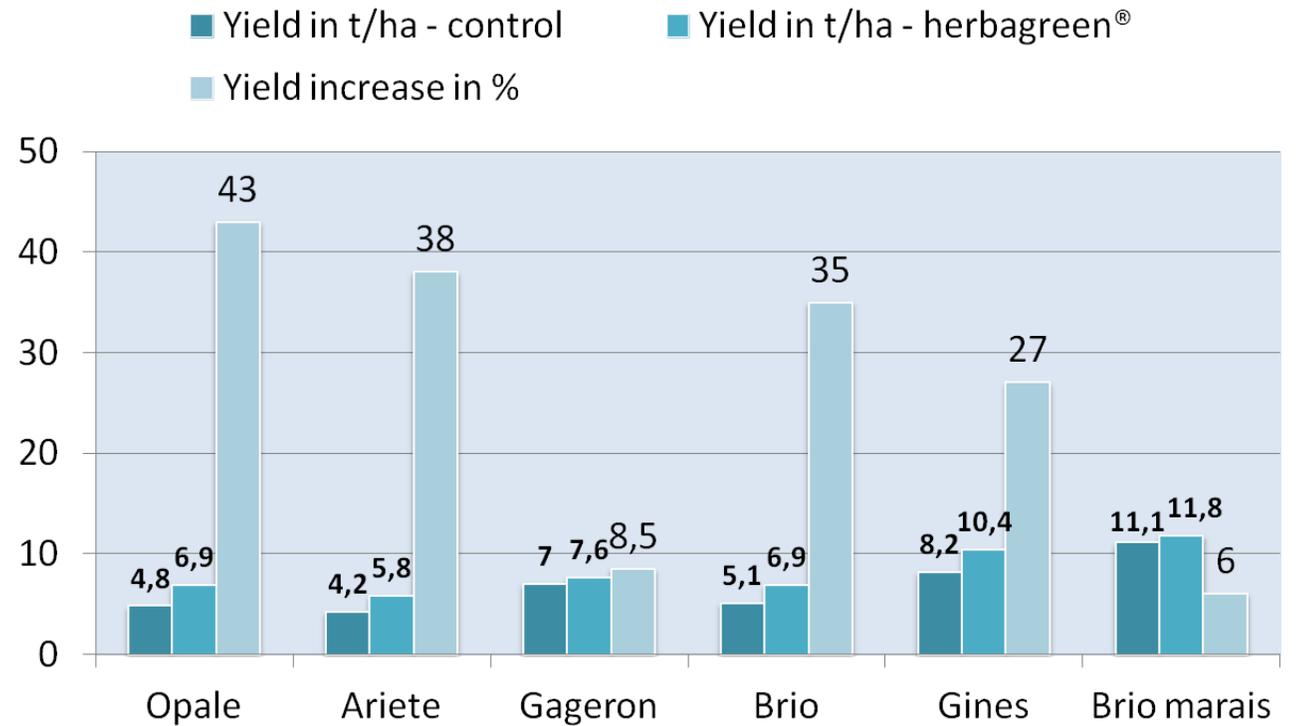
Control

Herbagreen®



RICE

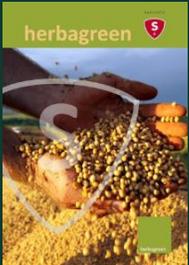
Country: France/Carmargue
Year: 2013
Crop: Rice
Trial: Scientific Trial
Realised by: CFR Institute
Parameter: Yield increase-Different Varieties



SOYBEANS

Country: Brazil /Itaberaí - Goiás
Year: 2018-2019
Crop: Soybeans
Trial: Scientific Trial
Realised by: Safra Institute
Parameter: Yield increase

Country: Brazil /Cristalina - Goiás
Year: 2018-2019
Crop: Soybeans
Trial: Scientific Trial
Realised by: Safra Institute
Parameter: Yield increase



Brazil /Itaberaí - Goiás

PRODUTIVIDADE COLHEITA		
ÁREA PADRÃO MANEJO ATUAL	58 Sacas/ha	INCREMENTO ALCANÇADO
ÁREA SANOVITA TRATAMENTO HERBAGREEN®	64 Sacas/ha	6 Sacas/ha

Brazil /Cristalina - Goiás

PRODUTIVIDADE COLHEITA		
ÁREA PADRÃO MANEJO ATUAL	65 Sacas/ha	INCREMENTO ALCANÇADO
ÁREA SANOVITA TRATAMENTO HERBAGREEN®	73 Sacas/ha	8 Sacas/ha



PRODUTO



CLASSIC

herbagreen®

HUMIN

herbagreen®

CASE

PATROCÍNIO - MG

1º CAMPO EXPERIMENTAL
 AGRO 7 CONSULTORIA E GESTÃO RURAL
 ENG. AGRO. FABRICIO ANDRADE



TRATAMENTOS – T3

3 APLICAÇÕES (30-45-60 dias)

SEM DEFENSIVOS

MÉDIA DE UMIDADE	MÉDIA PMG	MÉDIA GRÃOS/PLANTA	PRODUÇÃO kg/ha	
10,60%	142	49,6	2228,46	TESTEMUNHA

11,80%	166	57,97	3637,5	SANOVITA
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***	16,9%	16,87%	63,22%	INCREMENTO SANOVITA
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TRATAMENTOS – T6

4 APLICAÇÕES (30-45-60-75 dias)

SEM DEFENSIVOS

MÉDIA DE UMIDADE	MÉDIA PMG	MÉDIA GRÃOS/PLANTA	PRODUÇÃO kg/ha	
10,60%	142	49,6	2228,46	TESTEMUNHA

11,60%	168	58,1	3742,28	SANOVITA
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***	18,3%	17,13%	67,93%	INCREMENTO SANOVITA
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SOYBEANS

Country: Brazil /Cristalina - Goiás

Year: 2018-2019

Crop: Soybeans

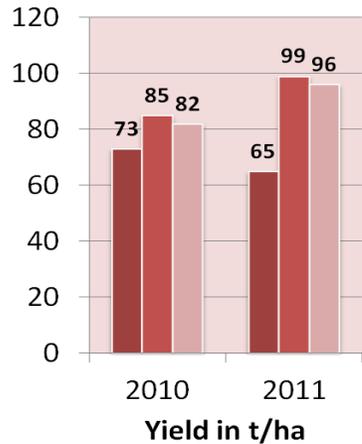
Trial: Scientific Trial

Realised by: Safra Institute

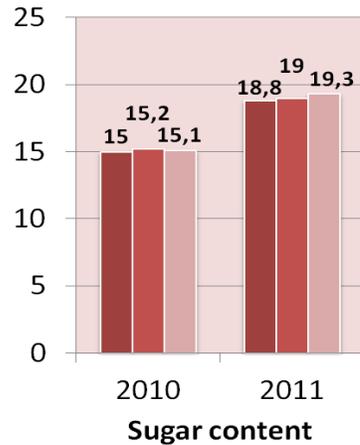
Parameter: Yield increase



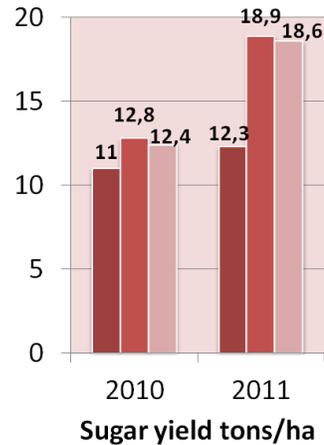
■ Control
 ■ herbagreen 1kg + 2kg
 ■ herbagreen 2kg+2kg



■ Control
 ■ herbagreen 1kg + 2kg
 ■ herbagreen 2kg + 2kg



■ Control
 ■ herbagreen 1kg + 2kg
 ■ herbagreen 2kg + 2kg

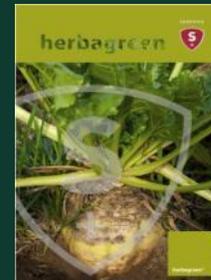


Costs/Income calculation Ø Yield/Romania/Poland

Yield and costs	Unit	Amount control (72,7 t)	10 % Yield Increase (79,9 t)	Results Romania (62 t) + 35%	Results Poland (65,3 t) + 52,5%
Yield	t/ha	72,7	79,9	83,7	99,5
Price Euro/ton	€/ton	ø 38,30	ø 38,30	ø 38,30	ø 38,30
Yield income	€/ha	2.785,90	3.060,17	3.205,71	3.810,85
Costs – Labor, Seed, Fertilizers, Machinery Insurance	€/ha	1.457,50	1.457,50	1.457,50	1.457,50
More expenditure Herbagreen	€/ha		83,00	111,00	74,00
Contribution Yield income - costs	€/ha	1.328,40	1.519,67	1.637,21	2.279,35
Yield income with Herbagreen in %		= 100	+ 14,3	+ 23,2	+ 71,6
More income	€/ha		+ € 191,27/ha	+ € 308,81/ha	+ € 950,95/ha

SUGAR BEET

Country: Poland - Sahryn
 Year: 2010 - 2011
 Crop: Sugar Beet
 Trial: Scientific Trail
 Realised: NCP Poland
 Parameter: Yield increase , Sugar content,
 Sugar yield increase

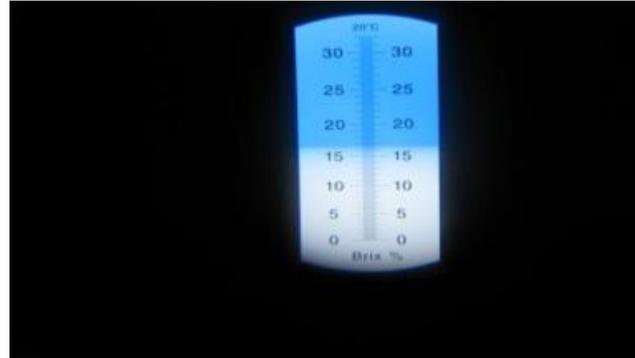


 **sanovita**

Control - Brix 11

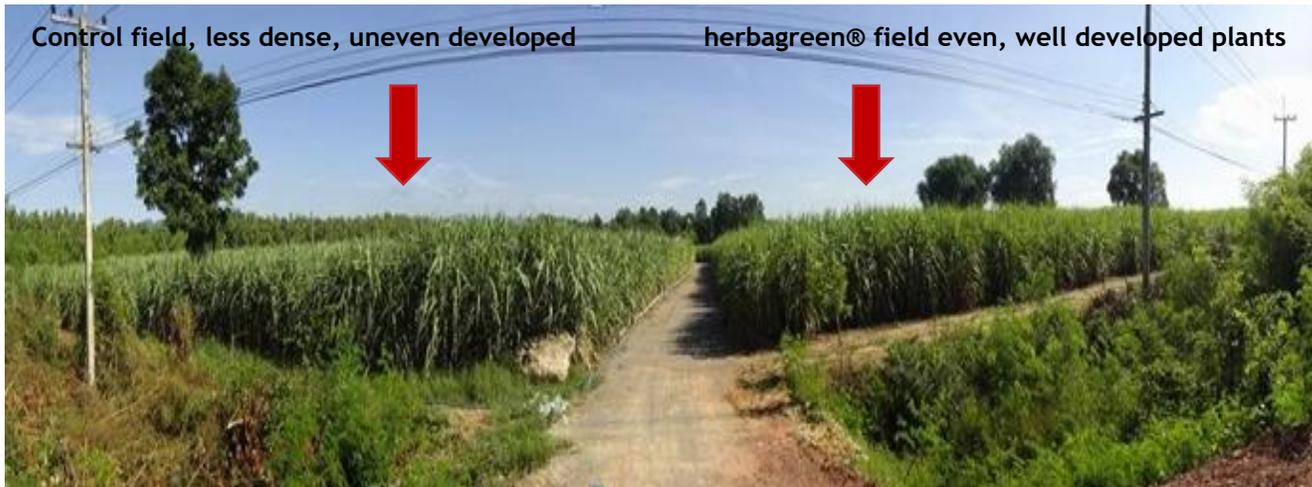


Herbagen® - Brix 17



Control field, less dense, uneven developed

herbagen® field even, well developed plants



SUGAR CANE

Country: China

Year: 2015

Crop: Sugar Cane

Trial: Field Trail

Realised: Newlystar Herbagen Co. Ltd.

Parameter: Yield increase, Quality



 sanovita

Control

Herbagreen®



Control

Herbagreen®



TOBACCO

Country: China
Year: 2015
Crop: Tobacco
Trial: Scientific Trail
Realised: Newlystar Herbagreen Co. Ltd.
Yihuang Jiangxi - Tobacco Division
Parameter: Root development
Plant development



 **sanovita**

Control

Herbagreen®



Control

Herbagreen®



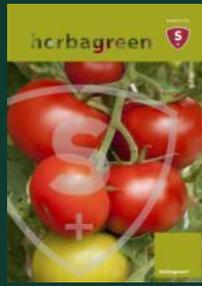
TOBACCO

Country: China
Year: 2015
Crop: Tobacco
Trial: Scientific Trail
Realised: Newlystar Herbagreen Co. Ltd.
Yihuang Jiangxi - Tobacco Division
Parameter: Plant development
Yield and Quality



 **sanovita**

Country: China - Inner Mongolia
Year: 2015
Crop: Tomatoe
Trial: Field Trail
Realised: Newlystar Herbagreen Co. Ltd
Parameter: Plant development
Yield and Quality



Control

Herbagreen®



Farming a brighter future

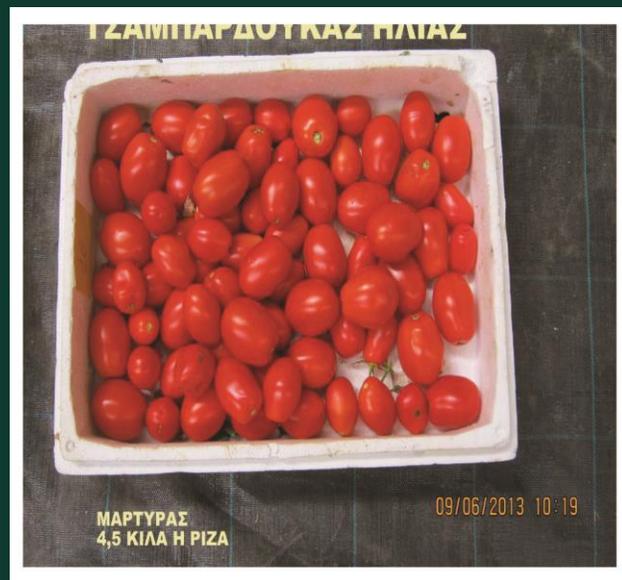


VEGETABLES

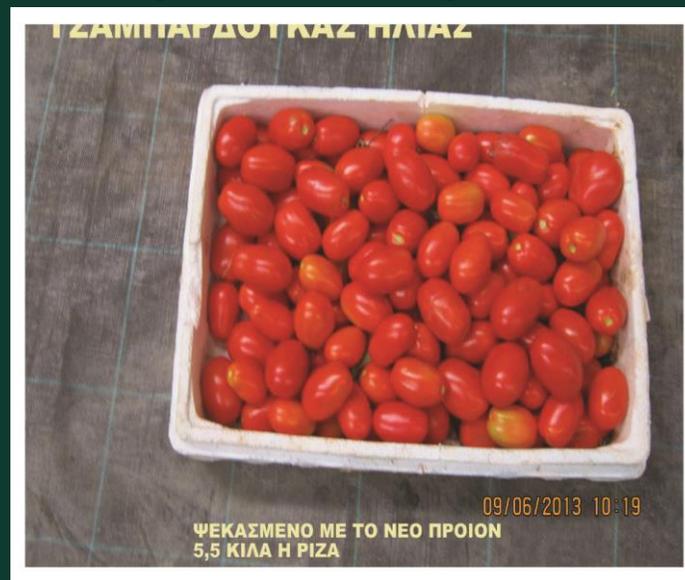
Country: Greece
Year: 2013
Crop: Tomatoe
Trial: Field Trail
Realised: Stefes/SanoVita
Parameter: Yield and Quality



Control 4,5 kg / 1 Plant



herbagegreen® 5,5 kg / 1 Plant



Farming a brighter future



Farming
a brighter
future



VEGETABLES

Country: Morocco
Year: 2015
Crop: Tomatoe
Trial: Field Trail
Realised: Maia Africe
Parameter: Shelf Life without cooling



Control after 10 days

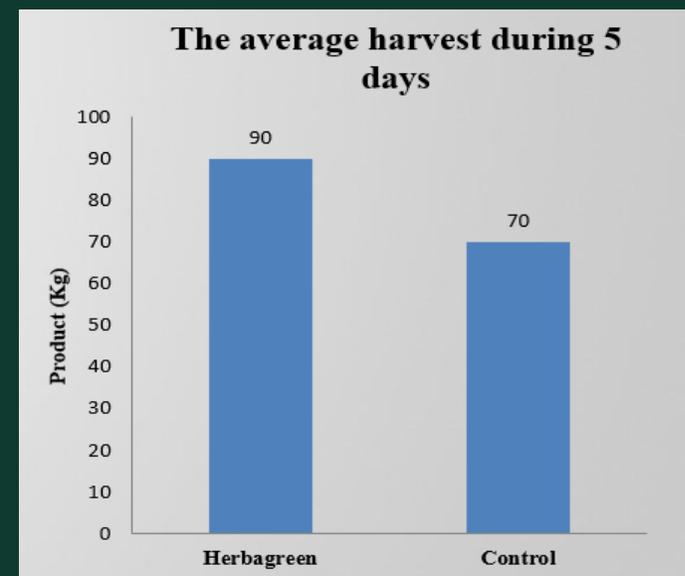
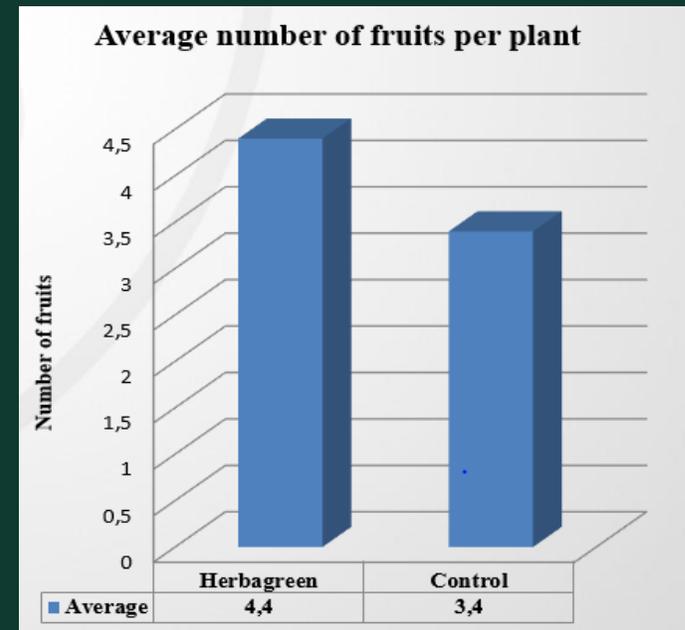


herbageen after 10 days



VEGETABLES

Country: Iran
Year: 2016
Crop: Cucumber
Trial: Scientific Trail
Realised: Dr. Mostafa Mirzaei
Parameter: Yield increase and Quality



POTENTIAL DIGITAL PERFORMANCE MARKETING IDEAS

INSPIRE & EDUCATE POTENTIAL CUSTOMERS

- Providing valuable, freely available information that farmers can apply immediately
- Demonstrating that Sanovita is a relevant partner for farmers to achieve this long needed paradigm shift in agriculture everybody is talking about
- Inspire farmers by proving arguments that a transition to more sustainable methods can go hand in hand with being more successful, not less!
- Provide testimonials from farmers using Sanovita products
- Introduce the Sanovita Method
- Deliver scientific evidence to Sanovita's effectiveness

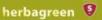
SANOVITA SERVICE IDEAS

EMPOWER & ENHANCE EXISTING CUSTOMERS

- Teach farmers the Sanovita Method through practical use cases (videos, info graphics)
- Provide solutions for farmers to record KPIs (e.g. crop yield) over time and correlate them with external factors (e.g. weather & climate)
- Build an online farmer community to let them share experiences and knowledge
- Enhance Sanovita's service level (e.g. customer support, ordering processes and product supply chain)
- Build a backchannel from farmers to Sanovita's R&D
- Providing location based information on soil vitality and biodiversity*
- Delivering operational tools (e.g. when to bring out Sanovita products to the field)
- Delivering strategic know-how and decision support for smart farming*

*by incorporating 3rd party data

Cereals/Wheat

 Standard cultivation	Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
	7.5 t/ha	8.25 t/ha	€ 50/ha	€ 175	1 : 2,5

Corn/Maize

 Standard cultivation	Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
	9 t/ha	10 t/ha	€ 65/ha	€ 210	1 : 3,2

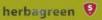
Reis

 Standard cultivation	Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
	5 t/ha	5.75 t/ha	€ 80 ha	€ 300	1 : 3,75

Soybeans

 Standard cultivation	Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
	4 t/ha	4.5 t/ha	€ 80/ha	€ 175	1 : 2,2

Cotton

 Standard cultivation	Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
	3 t/ha	3.5 t/ha	€ 120/ha	€ 600	1 : 5



Our crop specific treatment programs are based on the purest, most natural and impactful ingredients that so far have been applied within modern agriculture.

As nature, every crop has it´s life. Nurturing them in ways that enhances their strengths makes a substantial difference for how they grow, last and live.

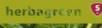
This results in a higher income for the farmer and increased quality of the food produced.

The data determined in the above-mentioned calculations are based on empirical values from over 10 years of optimized and sustainable cultivation with SanoVita products.

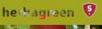
Potatoes

 Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
35 t/ha	40 t/ha	€ 120/ha	€ 750	1 : 6,25

Sugar Beet

 Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
60 t/ha	70 t/ha	€ 75/ha	€ 175	1 : 2,25

Apples

 Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
25 t/ha	30 t/ha	€ 450/ha	€ 2.000	1 : 4,5

Cherries

 Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
5 t/ha	5.5 t/ha	€ 250/ha	€ 1.250	1 : 5

Coffee

 Ø Standard cultivation Crop yields in Tons/ha	Ø Combination of standard cultivation + Sanovita products Yields in Tons/ha	Cost of Sanovita products / ha	Higher income Euro / ha	Expense/Income ratio (1 : X)
3 t/ha	3.5 t/ha	€ 140/ha	€ 600	1 : 4,25



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