



MCCI - GmbH

Management – Competence – Consulting - Irrigation

Innovative – Advanced – Health – System

The Agriculture Way to Success



Analysis

- Soil
- Plants
- Water
- Climate

Irrigation Tube

- Subservice Irrigation
- Fertiliser
- Saving Water
- Saving Fertiliser

Nutritional Support

- Food completion
- Acceptance Support
- Better Growth

MCCI-Water

- Improved Water absorption
- Saving
 - Pesticides
 - Fungicides
 - Herbicides
- Nutrification

Analysis Sources



Soil Analysis

- Before planning, we need to know all the basic data like ph – C/N – Humus content – Total N – ENR Value – CaCO³
- See in attachment No. 5 – This is a sample from our analysis partner

Water Analysis

- The quality of Water is of high importance
- See in attachment No. 6 – This is a sample from our analysis partner

Climate requirements of plants

- It is necessary to have all the data's about rain, temperature by day and night , wind speed normal, stormy weather ?, etc.



Irrigation Tube

Description

- Our tube works under the surface, directly to the roots without any loss.
 - The lifespan of the tube under the surface is not limited.
 - Only raw force can damage the tube. Neither animals nor roots can cause a damage.
- Our Irrigation tube is a product from recycled tires in combination with Polyethylene.
- The tube can be recycled at a 100% and reused for new planting.

BENEFITS AND APPLICATIONS IN AGRICULTURE

1. IRRIGATION: targeted irrigation, no water loss through evaporation and no erosion, economical, noiseless, barrier-free, low pressure,
2. FERTILIZATION: directly through the hose to the roots, no loss due to erosion, maximum efficiency in fertiliser application
3. AERATION: helps creating a healthy soil structure, improves root growth, replaces scarification, CO₂ fertilization possible

Irrigation Tube

Laying of the Tube

- a. Mechanical by hand
- b. With a plough for long lines
- c. With a special device for golf courses
- d. See the Attachment No. 2 Technical Handout
 - a. You will find all the systems how to lay
 - b. The calculation for the infrastructure
 - c. The diameters of the supporting tubes
 - d. How to find the size of sections

Nutritional Support

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Description:

We know hormones as neurotransmitters that make us happy, suffer or control our growth. It seems to be astonishing that the plants have also a hormonal balance that ensures a regulated development of the plant and its organs.

Healthy Growth stimulates the formation of key hormones and promotes diverse processes such as cell formation, flower or seed formation, control of nutrient uptake and interaction with parasites.

Healthy Growth is a foliar fertilizer with an application rate of 3-6 kg / ha

Nutritional Support

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Effects: Nutrient uptake is optimized to specifically stimulate the uptake of N and P, thereby eliminating unnecessary root exudates and thus saving energy that ultimately benefits yield formation. Self-protection of the plant against fungal diseases and insect infestation is stimulated. The activity of bees is not restricted.

A healthy relationship between root growth and shoot growth, reflecting better resistance to drought stress.

Especially in the fruit and vegetable production, fuller fruits with balanced aromas are produced.

Excellent adhesive properties on the grain.
Activates with the onset of germination

Stimulates the metabolism of the plant and stimulates the exchange of substances between the plant and soil

Activates the beneficial soil bacteria already in the germ stage

Early activation of rooting

Increased self-protection of the plant against harmful fungi, insect pests and weed pressure

Nutritional Support

MCCN

Application:

The powder is applied to the grain before sowing by means of suitable mixers. The rate depends on the possible adhesion to the grain, but should be at least 200g - 600g / 100 kg of seed.

Description:

Tap water is contaminated with a large number of foreign substances (drugs, hormones, pollutants, etc.), is "clustered" by standing in pipelines and can be described as "dead water".



Normal Water



MCCI-Water

In nature, the clusters of water are broken up, crushed and structured, *inter alia*, by turbulence processes. This turbulence dissolves large, sluggish so-called low-energy structures of water and promotes its opposite: the formation of small, agile so-called animated structures.

MCCI-Water

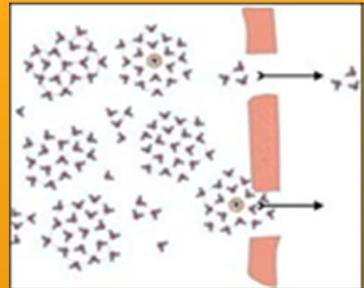
MCCI

Many coordinated principles of action are integrated in the “MCCI- Water” system in fine-tuning according to the natural laws.

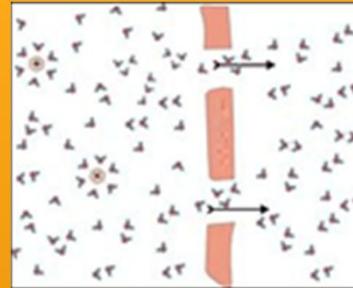
These are u.a. multiple intensive physical, electromagnetic swirling, pressure-suction zones, etc.

Cluster-refined: The finely tuned turbulence processes break up and refine the large-molecular cluster structures.

The small clusters make the water very cell-friendly and highly available to the organism.



Big Cluster



Very small Cluster

The enormous dynamization increases the order of the clusters in the water and results in a structured water that adopts natural, crystalline structures and thus significantly improves the uptake of products for mixing.

Effects:

- In animals:
- Due to the fineness of the water, the ingested food can better be humidified and the water shows an improvement regarding penetration of the walls. So it can provide the cells with optimal nutrients, which can lead to a better feed conversion.
 - The slags and toxins can only be properly removed from the cells with the fine water. This can lead to a general improvement in the liver values, thereby relieving the burden on the organism, thus leading to a stronger immune system and thus to an overall increase in animal health.
 - The optimal process of metabolism allows the animals to use their energy for growth and product production.
 - Due to the high water quality, the animals tend to drink more, which leads to higher product outputs (milk, meat and eggs) and more consistent products, even in the heat.

Effects:

- For Plants:
- improved plant wetting - greater effectiveness of pesticides
 - more robust, stronger and more resistant plants
 - stronger plant growth
 - higher fruit yield

Installation of the MCCI-Water
cartridge in the water pipe



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