

BioRaiser™

ALGAE COLLECTOR

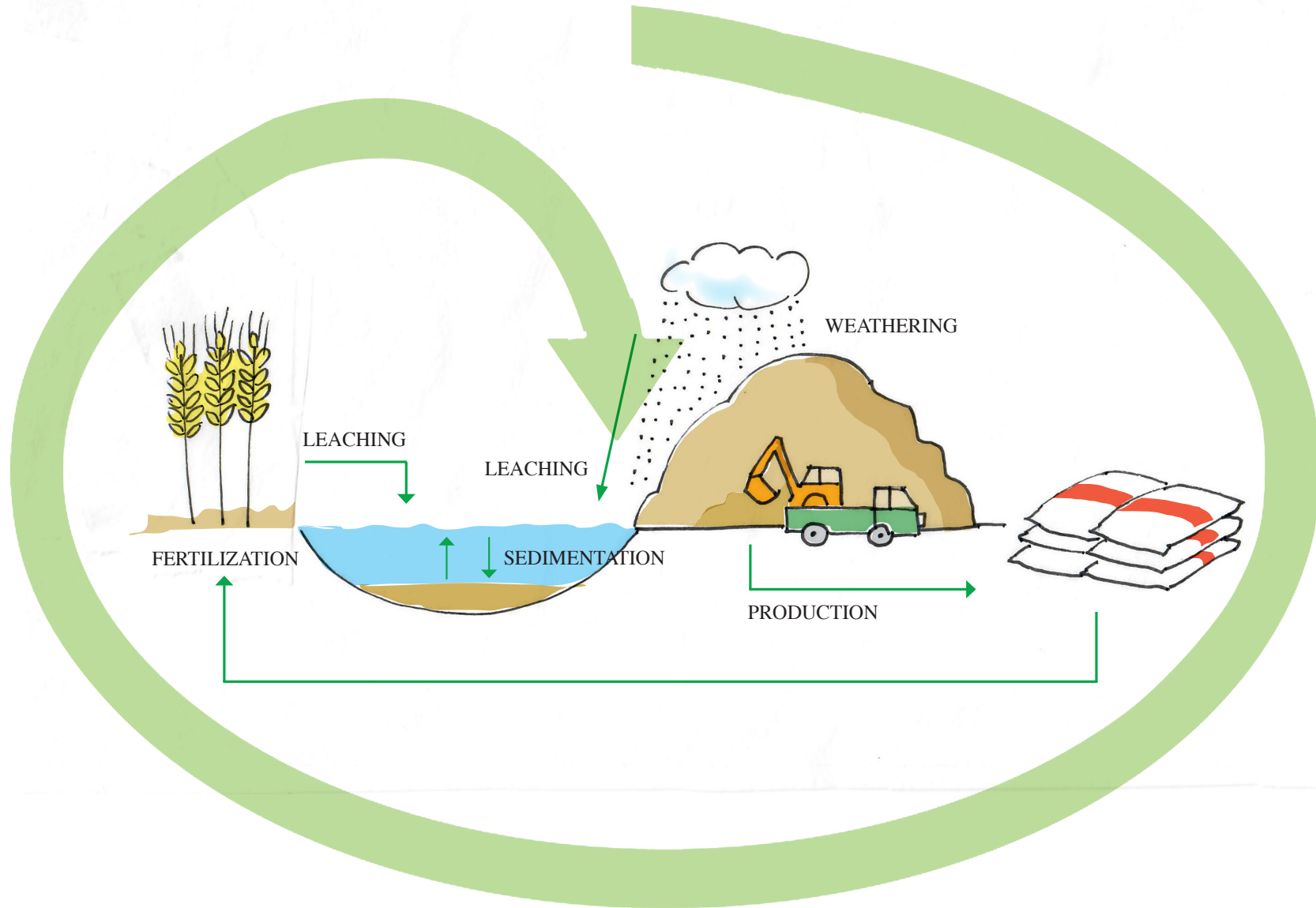


BioRaiser Algae Collector is specially developed to minimize or eliminate damage caused to the environment through agriculture. By moving and binding leached nutrients found in water systems back into fields we offer you a permanent, lasting solution.

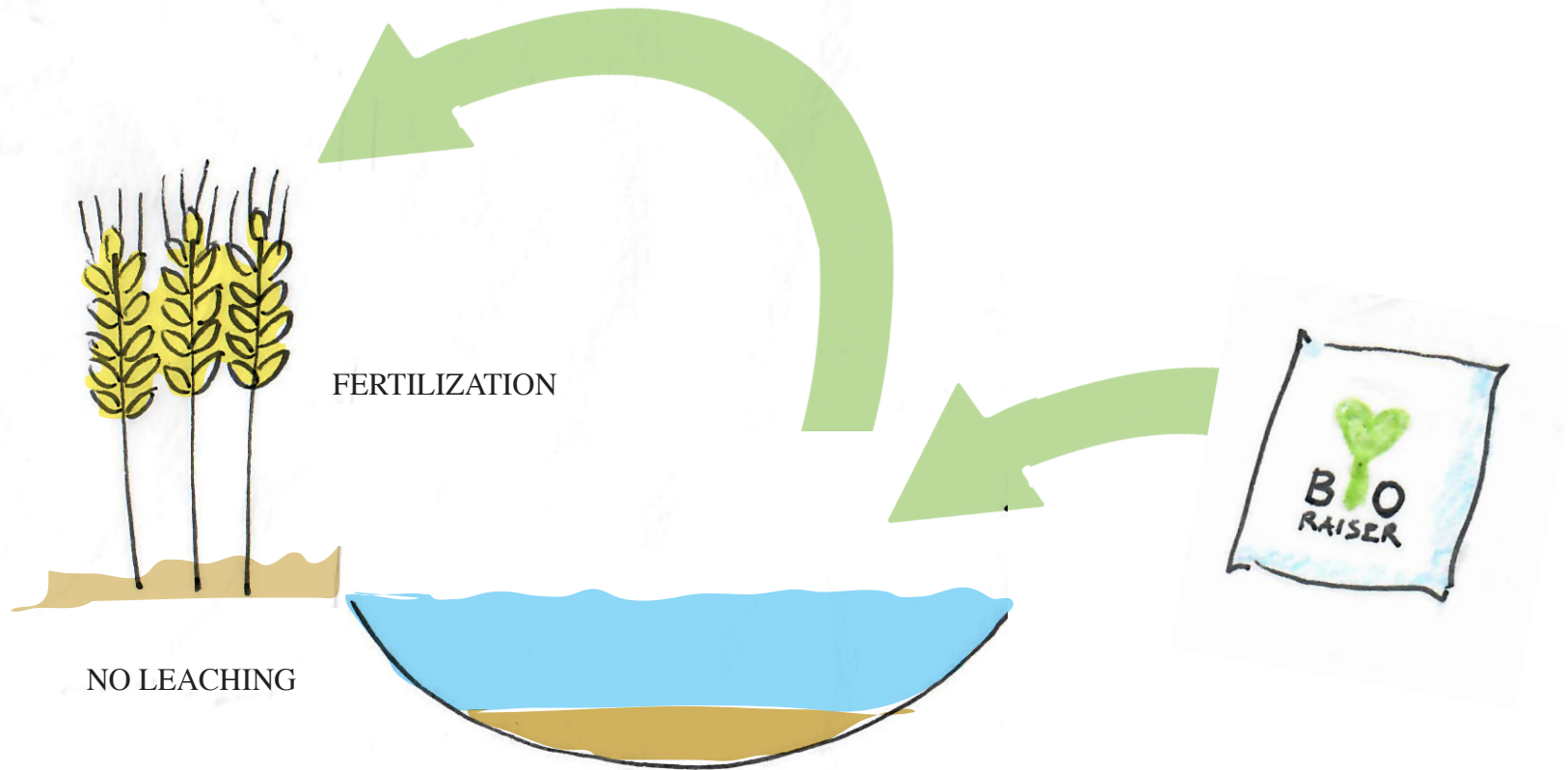
BioRaiser is non toxic and 100% biodegradable product and an extremely hydrophilic seedbed and fertilizer, able to store algae and water based nutrients up to 90% of its volume. BioRaiser releases moisture slowly for plant root systems. The high-performance capillary structure ensures an excellent absorbing capacity while evenly releasing moisture and oxygen into the soil. At the same time BioRaiser can also bind collected water-based nutrients and fertilizers to the soil.

BioRaiser also provides roots with extra oxygen needed for growth. The crystal structure of the BioRaiser absorbent mass is extremely porous and thin-walled. The volume of air pores accounts for some 95% of the total mass volume. When irrigated the pores fill with water which is slowly absorbed and used by the plant root system. Oxygen that is necessary for growth and for the vitality of the roots remains in the tissue. BioRaiser absorbent mass speeds up and provides energy for growth and stimulates new growth and enhances growth also in areas prone to erosion and low nutrient levels.

Typical circulation of nutrients and fertilizers into the environment

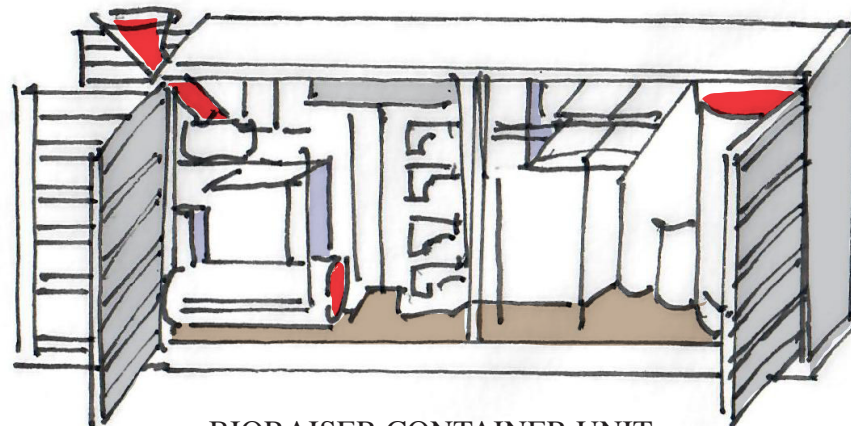


Reversing this circulation and harnessing the nutrients already present in the water



Advantages of this technology

- BioRaiser doesn't dissolve in the water – it holds the collected nutrition from the water in nanocapillar pipes.
- BioRaiser production is done locally in the container industrial unit -- minimum carbon footprint.
- One litre of BioRaiser take in 0,9 litre nutrions and algae – very coefficient performance.
- In repeated use stops the nutrions leaching in to the water – algae run out of nutrition.
- Environmentally sustainable solution – no waste factor and economically reasonable solution.
- Minimum effect to surrounding farming industry – minimum compensation to reach environmental friendly farming production.



BIORAISER CONTAINER UNIT