

Fact Sheet – Grown Produce

The problem:

How to increase crop yield - so that more mouths can be fed, and reduce fertilizer consumption – so that pollution can be cut.

- A profound change of the global food and agriculture system is needed if we are to nourish the 815 million people who are hungry today and the additional 2 billion people expected to be undernourished by 2050. Investments in agriculture are crucial to increasing the capacity for agricultural productivity and sustainable food production systems are necessary to help alleviate the perils of hunger¹.
- Agriculture is responsible for 88% of UK emissions of ammonia gas which can travel long distances, be damaging to the environment, and combine with other pollutants to form fine Particulate Matter (PM) pollution, which are harmful to human health².
- The agriculture sector contributes significantly to global carbon emissions. 75% of the total emissions from agriculture result from nitrogen fertilizer use³.



Aquapulse provides a sustainable solution to increased yield, while reducing fertilizer consumption.

Aquapulse Benefits

- Increased yield of crops (experiments using tomatoes showed greater than 50% higher growth).
- No fertilizers required to increase the yield, as the plants are able to access a greater proportion of nutrients already in the water.
- Reduced water consumption.
- Improved quality and taste of plants.
- Extended post harvesting shelf life of produce.

¹ UN Sustainable Development Goals (<https://www.un.org/sustainabledevelopment/hunger/>)

² UK Government Clean Air Strategy (<https://www.gov.uk/government/news/government-to-help-farmers-tackle-air-pollution-in-new-clean-air-strategy>)

³ The carbon footprints of food crop production (https://www.researchgate.net/publication/228649298_The_carbon_footprints_of_food_production)



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Frequently Asked Questions

Q. Does Aquapulse contain any chemicals ?

A. No, it is a totally natural solution and contains no chemicals, toxicants, or artificial additives.

Q. Will Aquapulse change the pH of water ?

A. No, it changes only the physical properties of water, breaking up suspended minerals and making them more accessible to plants.

Q. How long does the product last ?

A. It remains effective for two years, after which time it is returned to our factory for replenishment and replaced with a new cartridge.