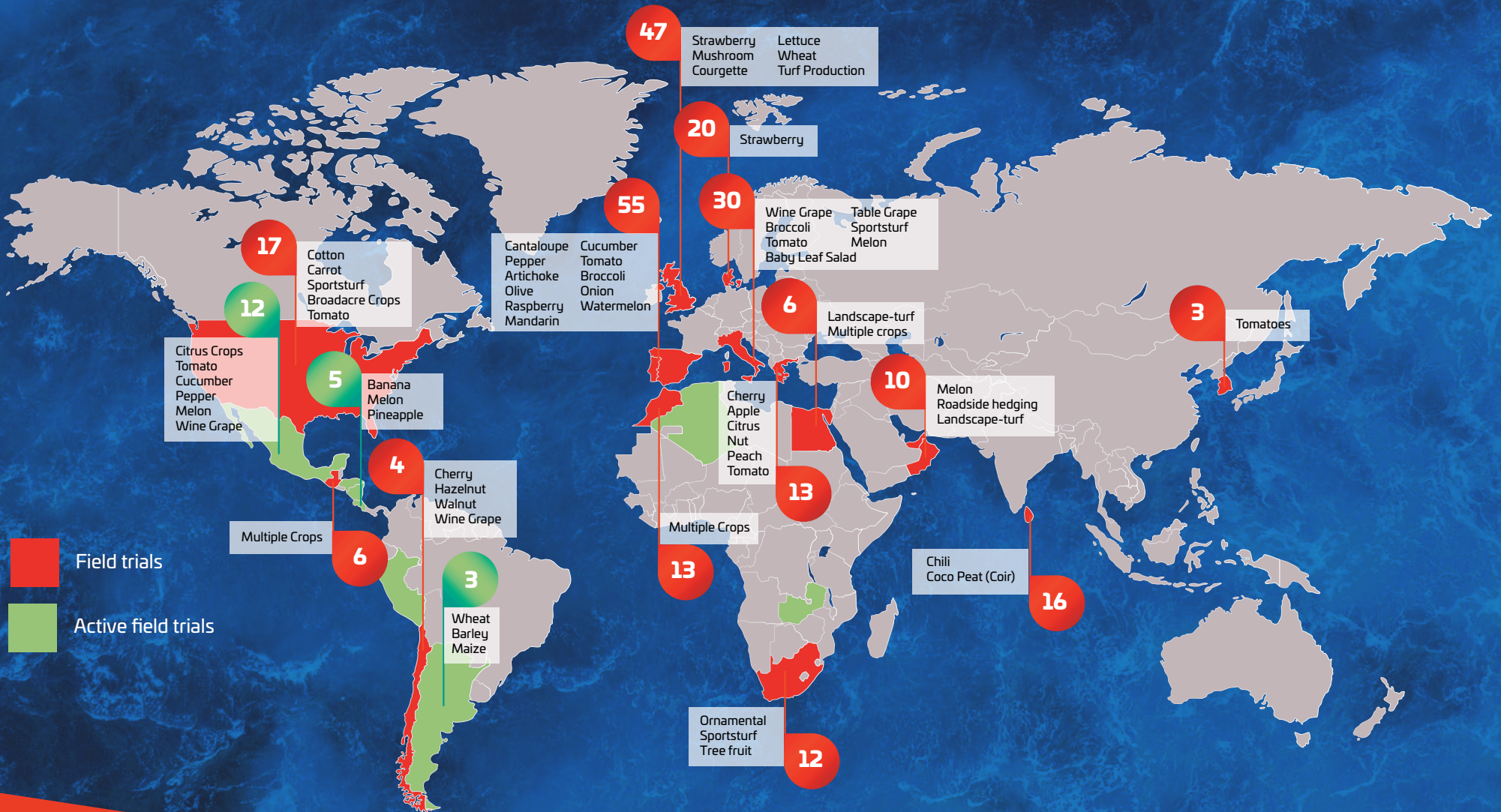




# Aqualatus<sup>®</sup> Field Trials

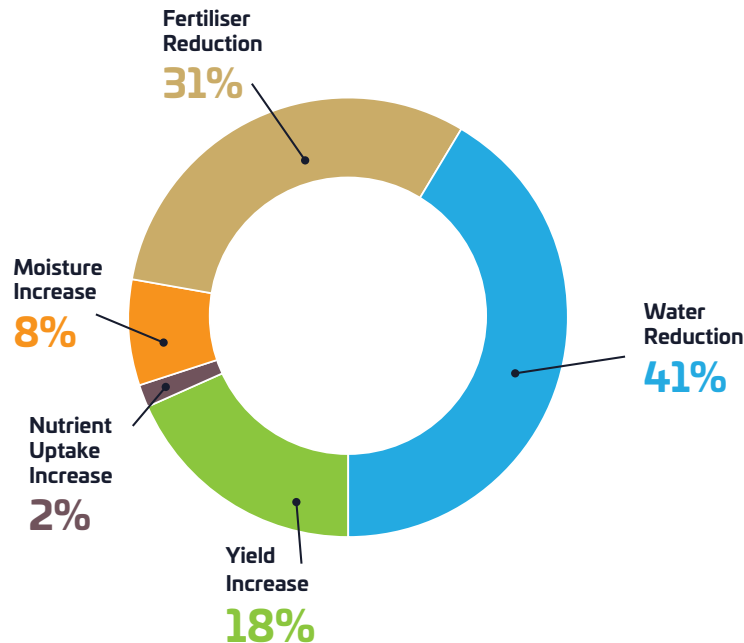
Greater than 250 trials in more than 17 countries

**ENGAGE**  
The Power of Nutrition





## Aqualatus<sup>®</sup> Field Trials Results



### Other notable observations from trials

- ✓ Reduced leachate in Sportsturf
- ✓ Improved fruit quality
- ✓ Better quality sports turf playing surface.
- ✓ Easier mechanical lifting of carrots
- ✓ Long term positive reaggregation of soil texture
- ✓ Reduction in compaction
- ✓ Increased tannins in wine grapes
- ✓ Prevention of waterlogging

### Water reduction

By far the most consistent data for Aqualatus with over 124 trials reaching 50% reduction in water use. Its important to note that in many trials, scarcity of water supply to many areas of the world is now so low that do not have sufficient water to adequately irrigate crops so the use of Aqualatus in these cases is vitally important in just optimising the water available and preventing its loss. Also, in other trials Aqualatus was used without water reduction in substrate grown crops where drain could not be avoided and was actually programmed, either to reduce salt load or to move root applied products.

### Fertiliser reduction

This area was for a while taboo as trials parameter due to resistance to reduce fertiliser by distributors. However, once positive growth data was replicated in multiple trials and the cost of fertilisers became more significant, reduction of fertiliser was seen as necessary in trials as not only as a cost saving but also an environmental benefit.

### Moisture increase

In Sportsturf and row crop trials, soil moisture levels have been vitally important in recording as many farmers calculate both total water level and available water level. Importantly from this data Engage has been able to prove that Aqualatus improves water available water levels by as much as 25% and on average by 15-20%

### Nutrient uptake increase

A difficult parameter to measure, a small number of trials utilised nutrient removal, tissue and sap analysis plus growth parameters to measure nutrient uptake. The data from these trials has been used to prove that the increased availability of nutrients created by Aqualatus is of benefit to uptake which will positively effect growth parameters.

### Yield increase

In many trials yield was a parameter of measurement to justify cost. Either because water is free in the country where the trial took place or is very low in price. Also in several trials the best water reduction rate compared to yield potential was measured. Over the trials it was proven that -40% reduction in water and nutrients whilst using Aqualatus was the best rate for yield improvement to input cost.

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