



Summary of rice test 2023

This is a repeat of the test conducted at Memphis Agricultural center in 2022.

We utilized the EA technology, pumps and sprinklers as a solar panel driven water modifier.

In the 2022 test, we measured an increase of between 9% and 17% (4 plots) **or app: 13%**. Increasing the average yield by between 23.3 and 11.2 Bushels per acre.

11.2 Bushels @ \$16/bushel = ROI of \$180/acre.

This 2023 test was generated to evaluate whether the first result was a fluke or if indeed there was value to the deployment of this relatively inexpensive field irrigation modification.

Test 2023 Results:

In this test we increased yield by 18 Bushels per acre on 3 plots lot vs. 3 plots control or between 10.59 and 24.8 or **an average of 15%**.

18 Bushels @ \$16/bushel = ROI of \$288/acre.

- **The solar powered technology is simple and practical. It uses no external energy or chemicals.**
- **This technology is suitable for outdoor crops, aquaponics, greenhouses, home gardens and vertical farms.**
- **The plates can be incorporated into existing irrigation systems with no major alterations, and the treated water has a long shelf life making the generated water scalable to the largest farm's back acres.**
- **We have also found great results by foliar or sprinkler systems for pesticide abatement and growth.**
- **Also please find a Percolation test, where we determined that EA water penetrates soil deeper than conventional water by as much as 127%.**

Here are some random shots from the experiment, which incidentally was plagued with unusual rains, some lasting as long as 10 days.

[Assorted Photos 2023 Test site Agricenter Memphis](#)

Please review the attached tests (2022 and 2023) raw data. AND Percolation Test

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