

PURICARE WATER TREATMENT CLEANS THE IRRIGATION SYSTEM AND IMPROVES THE UNIFORMITY OF WATER AND FERTILISER DELIVERY!



With 5000 to 7500 cubic litres of irrigation water being applied/ha/annum, water represents the largest input in commercial citrus production. Clogged drippers reduce irrigation efficiency resulting in uneven water and fertilizer delivery. This has a substantial impact on production costs and the profitability of citrus production.

A recent study conducted by Puricare used standard industry practice to measure the uniformity of water delivery of micro-jets in 40 orchards and drippers in 28 orchards in Kirkwood and Addo between 2016 and 2019. All the test orchards had normal flushing, manual cleaning or chemical cleaning practices in place.

The results indicated alarming inefficiencies with only 22% of drippers delivering the correct amount of water and fertiliser while the other 78% delivered either too much or too little.

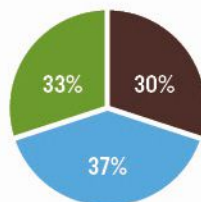
FURTHER RESEARCH MEASURED THE IRRIGATION CLEANING EFFECTS OF PURICARE WATER TREATMENT ON FOUR CITRUS FARMS WHERE ALL TESTED DRIPPER LINES WERE MORE THAN 10 YEARS OLD.

UNIFORMITY OF WATER DELIVERY IMPROVED AFTER 6 - 12 WEEKS

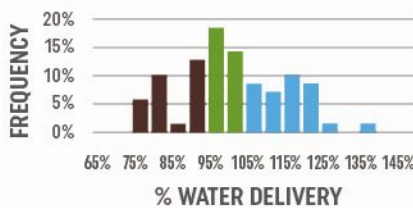
BEFORE

Puricare treatment - dripper delivery

- Under delivery (<90%)
- Over delivery (>100%)
- Correct delivery (90-100%)



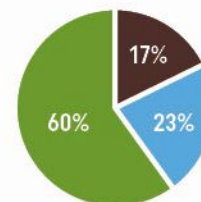
Frequency distribution of dripper delivery



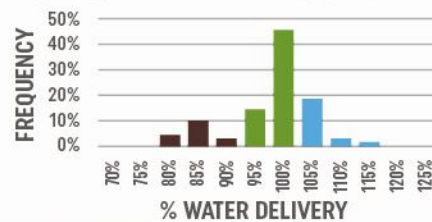
AFTER

Puricare treatment - dripper delivery

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Frequency distribution of dripper delivery



WANT TO KNOW MORE ABOUT THE PURICARE SYSTEM?

Our team of certified Crop Advisors are ready to assist with effective irrigation planning as well as advice on the latest technology used for the improvement of water quality which form a crucial part of our customised crop solutions.



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