



Tomato Trial with PURESAN Pro

China – 2018

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Trial Overview



- Tomato Greenhouse trial conducted in D19
- Tomato Greenhouse control conducted in B14
- Greenhouse area: 420 m²
- Planted 1100 plants
- Puresan Pro used at 1:100,000
- Irrigation: 5,000 litres of water per hour



First irrigation

- First irrigation was done on September 9th 2018
- Irrigated for two hours with 10,000L



Second Irrigation

- Second Irrigation took place on September 18th 2018
- Product used – 100ml PURESAN Pro
- Irrigated for two hours
- Used 10,000L water



Photos of Second Irrigation



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Third Irrigation

- Third Irrigation took place on September 26th 2018
- Product used – 100ml PURESAN Pro
- Irrigated for two hours
- Used 10,000L water



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Third Irrigation Pictures

Untreated seedlings



Treated seedlings



Fourth Irrigation Pictures



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Fourth Irrigation Pictures

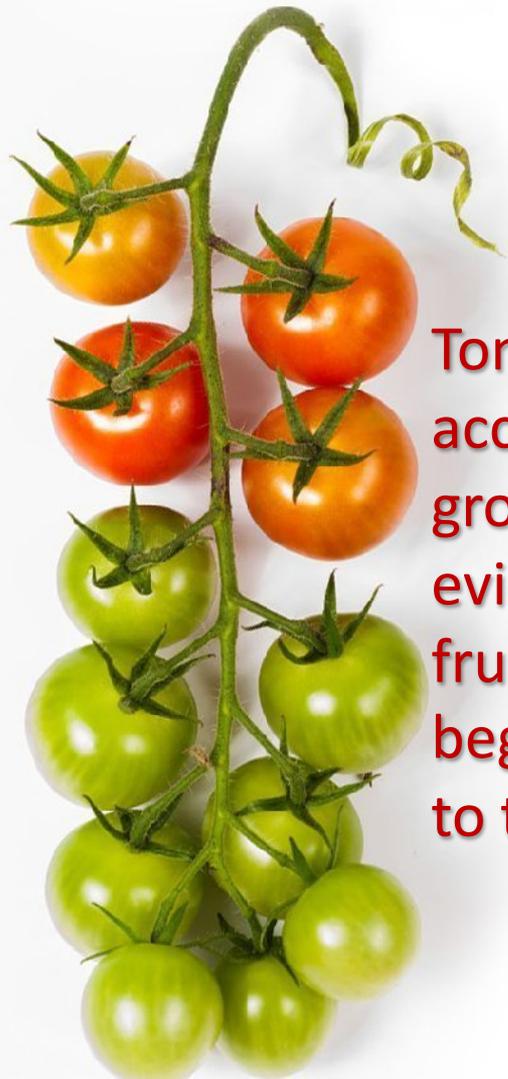


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Fifth Irrigation

The tomatoes treated with PURESAN Pro, is fruit-bearing and had no sign of disease and the improved growth rate was evident





**Tomatoes
accelerated
growth
evident and
fruit is
beginning
to turn red**

Untreated tomatoes



Treated tomatoes
already turning red

Difference between untreated and treated tomato crops



Untreated Crop



Puresan Pro treated Crop



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Tomatoes irrigated with Puresan Pro grew well, fruit is round and darker red than the control samples

Photo Evidence

Untreated Crop – buds not yielding fruit



Treated Crop – buds yielding fruit



Untreated Crop – fruit irregular shape and color not as red



Treated Crop – fruit of round shape and intense red color





Outcomes of PURESAN Pro Trial

- The tomato trial used a total of 4L of Puresan Pro over a period of 4 months irrigation, 3 times a month amounting to a total of 12 times.
- Ratio of PURESAN Pro to water used is 1:100,000
- The trial demonstrated the ability of PURESAN Pro to sprout seedlings earlier than in the untreated crop
- The treated seedlings grew exponentially faster than the untreated crop
- The treated crop started blooming one week earlier than the untreated crop.
- The treated crop showed no sign of pests or disease
- The treated crop yielded fruit much earlier than the untreated crop
- The treated crop fruit changed color to a bright red much earlier than the untreated crop.



Outcomes of PURESAN Pro Trial

- Trial data monitoring was done on:
 - Number of flower buds
 - Flower bud survival rate
 - The fruit yield
- The untreated crop yield was 1591.5 kg whilst the treated crop yield was 1961.5 kg – **a yield increase of 370 kg (23.2%)**
- The untreated crop fruit shape was irregular whilst the treated crop had an evenly rounded shape
- The untreated crop's fruit was a lighter red than the treated crop fruit.