

# 4-Terra

Conservation of yield and quality improvement despite P<sub>2</sub>O<sub>5</sub> reduction

B5



plantsforplants®

Apple



## TRIAL INFORMATION



Plants for Plants Life Project | This project is co-funded by the European Union's LIFE Programme under Grant Agreement LIFE18 ENV/NL/000043.



Project partner in Plants for Plants®.

- CROP: Apple
- VARIETY: Braeburn
- DATE: 2020
- LOCATION: Čukovec, Croatia
- EXECUTED BY: Horticentar
- APPLICATION: Fertigation
- DEMONSTRATION TRIAL: B5



## TRIAL SET-UP



Control	Treated with P4P 4-Terra and -40% P <sub>2</sub> O <sub>5</sub>
Untreated	First application (10L/Ha) - pink bud
Untreated	Second application (10L/Ha) - 15 days later
Untreated	Third application (10L/Ha) - 15 days later
Untreated	Fourth application (10L/Ha) - 15 days later



## CONCLUSION

With 40% less P<sub>2</sub>O<sub>5</sub>, P4P 4-Terra treated modality showed no decrease in yield, and in addition 5.4% increase in sugar content vs. UTC as well as bigger fruits with 8.7% higher fruit weight. The number of fruits was smaller but of higher quality.



## RESULTS

### YIELD CONSERVATION DESPITE 40% REDUCTION OF P<sub>2</sub>O<sub>5</sub> UNITS PER HECTARE

