

LL002

Conservation of yield despite P₂O₅ reduction

B5



plantsforplants®

Sugar beet



NUE



Biostimulation

- CROP: Sugar beet
- VARIETY: KWS Marenka
- DATE: 2020
- LOCATION: Celije, Croatia
- EXECUTED BY: Hortinterar
- APPLICATION: Foliar
- DEMONSTRATION TRIAL: B5



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®.



TRIAL SET-UP



| Control with 100% P ₂ O ₅ | Treated with LLo02 and -30% P ₂ O ₅ |
|---|---|
| Untreated | First application (9L/Ha) - BBCH 18-30 |
| Untreated | Second application (9L/Ha) - 15 days later |



CONCLUSION

Yields for the full dose of P₂O₅ (104 Kg/Ha) for UTC were equivalent to LLo02 treated with a 20% reduction of P₂O₅ (73 Kg/Ha) with both modalities at 71 MT/Ha - no difference in sugar content was observed with both values at 16.9%. This is clearly due to an increased NUE for the treated part, as the yield was the same despite an important reduction of P₂O₅ fertilization.



RESULTS

TOTAL YIELD IN KG/HA CONSERVED DESPITE 30% REDUCTION OF P₂O₅ UNITS PER HECTARE

