

# 4-Good

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



plantsforplants®

B5

Sugar beet



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



## TRIAL SET-UP



Control with 100% P <sub>2</sub> O <sub>5</sub>	Treated with P4P 4-Good and -30% P <sub>2</sub> O <sub>5</sub>
Untreated	First application (9L/Ha) - BBCH 18-30
Untreated	Second application (9L/Ha) - 15 days later



## CONCLUSION

Yields for the full dose of P<sub>2</sub>O<sub>5</sub> (104 Kg/Ha) for UTC were equivalent to P4P 4-Good treated with a 20% reduction of P<sub>2</sub>O<sub>5</sub> (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 P<sub>2</sub>O<sub>5</sub> fertilization.



## RESULTS

### TOTAL YIELD IN KG/HA CONSERVED DESPITE 30% REDUCTION OF P<sub>2</sub>O<sub>5</sub> UNITS PER HECTARE

