

INTEGRATING SMART CROP FARMING TECHNOLOGIES INTO EVERYDAY FARMING PRACTICES TO STRENGTHEN FARMER COLLABORATION AND COMMUNITY

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MAIN CHALLENGE/ OBJECTIVES

Adopting Smart Crop Farming technologies can initially seem challenging for farmers, yet shifting climate conditions make their use essential. These tools not only improve cultivation practices but also foster stronger farmer communities through shared knowledge, collaboration, and continuous learning.

MAIN RESULTS/ OUTCOMES

A key outcome of the 4P OG was enabling farmers to share success stories and lessons learned. Through hands-on demonstrations, farmers and advisors improved knowledge of fertilisation practices, especially for high-value crops like grapes and kiwifruit, while supporting the adoption of Variable Rate Technologies.

PRACTICAL IMPLICATIONS / RECOMMENDATIONS

The pilot farms selected for the development and testing of the upgraded fertiliser spreader are part of a farmers' association (kiwifruit) and a commercial table grape company. Both parties showed strong interest in applying and testing this solution, as fertilisation is one of the most important farming practices for both crops. A key objective was to demonstrate the application of the upgraded fertiliser spreader to interested farmers, advisors and researchers and highlight its practical benefits under real field conditions. Through the demonstration events, farmers gained hands-on experience with Variable Rate Technology and a clearer understanding of how precision fertilisation can improve input efficiency. The farming community was able to observe how targeted application reduces fertiliser waste, lowers production costs, and supports more uniform crop growth. The events also played a key role not only in disseminating the work of the 4P Operational Group but also in fostering knowledge exchange and lessons learnt, encouraging farmer engagement, and supporting informed decision-making regarding the adoption of such technologies.



GEOGRAPHICAL LOCATION

Peneus River Delta, Thessaly, Greece & Chalkidiki, Macedonia, Greece

FURTHER INFORMATION

<https://4p-project.gr/>



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