FERTIPINEA

"The future of EIP-AGRI Operational Groups: challenges, opportunities and existing support services"

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OG FERTIPINEA

Nutrition and fertilisation of stone pine in rainfed and irrigated systems

The organising projects are funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Research Executive Agency (REA). Neither the European Union nor the granting authority can be held responsible for them.

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Nutrition and fertilisation of stone pine in rainfed and irrigated systems

N.º PDR2020-101-031330 (INIAV)

https://www.unac.pt/index.php/id-i/grupos-operacionais-accao-1-1-pdr2020/fertipinea

OG FERTIPINEA – Specific objetives

- ✓ To establish fertiliser recommendations for new stone pine stands based on soil analysis;
- ✓ to establish fertilizer recommendations for young and adult stone pine stands based on soil and leaf analysis;
- ✓ to establish reference values for needle analysis interpretation of stone pine stands at a specific time in their cycle;
- ✓ to validate irrigation opportunity criteria at the most critical stages of vegetative cycle;
- ✓ to establish biometric and ecophysiological indicators to evaluate environmental stresses in productive stands.

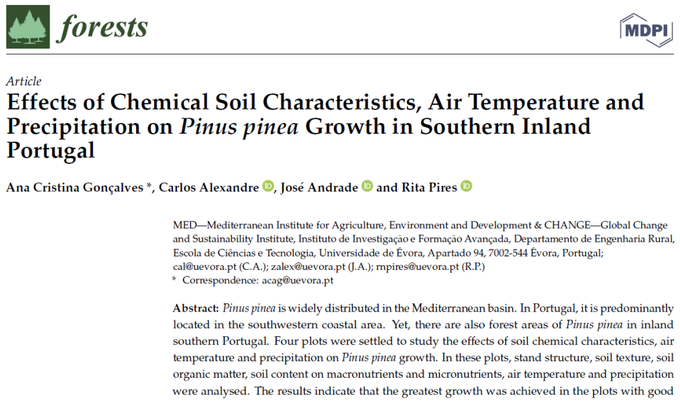
Main results

- **Characterization of soil fertility of stone pine stands**
- **Characterization of the cone production of stone pine stands and field experiments**
- **Nutrient extraction values for stone pine**
- **Fertiliser recommendations for stone pine across three phases:**
  - NEW STANDS
  - YOUNG STANDS
  - ADULT STANDS

Publications

Fertirrigation in grafted *Pinus pinea* L. trees: denser crowns but no effect on cone production or masting cycles

Alexandra Cristina Correia [a,b,*], Ana Farinha [b], João E.P. Silva [b], Alexandra Nunes [b], Nuno Conceição [b], Maria da Encarnação Marcelo [a], Alexandre Sarmento [c], Margarida Tomé [b], João Soares [d], Luís Fontes [b,e]




Thanks for your attention!