

Research Purpose

Biochar is an ancient product created through the controlled burning of organic material in an oxygen-limited environment (pyrolysis). It has regained global attention for its ability to effectively reduce carbon dioxide emissions whilst improving soil conditions. With global trends towards reducing CO2 emissions combined with the development of the carbon credit market, there is now a drive, particularly in Europe, to include biochar as a key tool for farmers to improve their resilience to the changing environment. Does this present an opportunity for Australian farmers?

Key Learnings

Production

- *Wide range of biochar production methods with huge spectrum of production costs, many not economically viable*

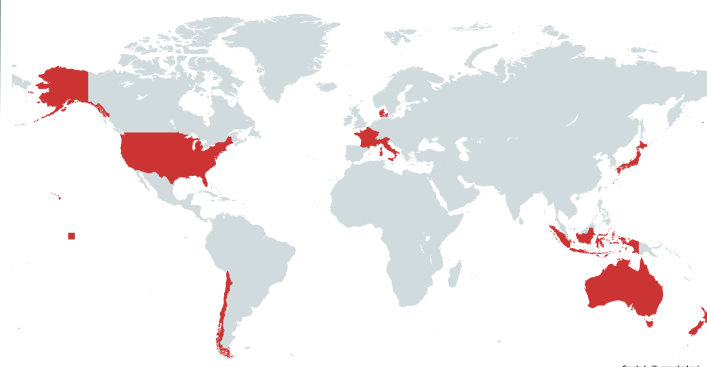
On-Farm

- *Need to know what you are trying to achieve with your soils and how it will be applied before starting the process of using biochar*

Industry

- *Lot of “smoke” in the industry that you need to look through to work out the facts*

Travel (Map or Photo)



Recommendations for Industry

- *Need to develop rigorous biochar production quality standards as there is a vast difference in biochar quality which creates inconsistencies in on-farm results*
- *Further development of applications methods to make biochar more user-friendly for broadacre farmers*
- *Education of agronomists to assist with farmer-uptake to shift it into mainstream operations*

Thank you to my sponsor



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