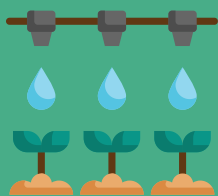




WATER QUALITY AND EFFICIENCY



Water Use Efficiency

When trees are planted alongside other crops, they help reduce the amount of water lost through soil evaporation. This helps to improve water efficiency.

The benefits trees provide extend beyond the farm. Planting and maintaining trees can have positive impacts for whole catchment areas.



Water Quality

Trees planted around streams and dams can improve the water quality by reducing run off of chemicals and sediments into water sources and help to stabilise the bank.



Case Study:
Trees reduce
paddock water
loss
(evaporation).

Learning Activities

- Conduct water sampling in a local waterway to measure factors such as turbidity, temperature, salinity, pH, etc.
- Determine the importance and presence of indicator species of plants and animals in bodies of water.
- Design an experiment to determine the impact shade can have on water temperature and evaporation rates.



Questions to Explore



- What are some of the key water pollutants present in the agricultural landscape?
- How do trees help to filter water?
- How can trees help to alleviate the impacts of salinity?
- How do trees help to lower evaporation rates?
- What impacts can water quality have on food and fibre production?

Find out more...

Enhancing farm
dams What to plant
in and around your
dam