

3. Reading

How to improve crops yield in poor water / soil conditions ?

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Problems are

- Too high salt contents in water (brackish water)
- Poor soil conditions, sandy or salty or both
- Most plants die or have extremely low productivity
- Low water retention in soil creates significant water loss and dries out soil quickly
- The salt crystallizes in the water and clogs the interstices of the soil . The water does not reach the roots

Presently offered solution

Reverse osmosis is an answer to brackish water problems:

- All minerals are filtered out by membranes
- The required minerals (fertilizers) need to be added afterwards
- Investment and operational costs are high
- Negative impacts on the environment