



Technology Available for License

Induced Salt Tolerance in Plants

New seed coating allows plants to survive increased salt concentrations.

Technology Description

A seed coating based on a fungus in the flora of high salt environments can be applied to a wide range of plants to induce significantly higher salt tolerance. Plants grown from treated seeds have been shown to survive salt concentrations as high as seawater and promote growth and yield. The technology was developed by researchers at Montana State University and the U.S. Geologic Survey.

Applications

- Plant growth in high salinity environments
- Maintenance of crops in salt encroachment environments
- Environmental restoration

Benefits

- Significantly increases salt tolerance
- Induces salt tolerance to concentrations of seawater
- Can be applied to a variety of agricultural, ornamental, and native plants
- Can increase growth and yield
- Easily applied as a seed coating
- Requires no genetic modification

Technology Transfer and Development Status

A patent is pending. Publications and isolates are available.

Contact for licensing or further details

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To see all MSU technologies available for licensing go to: <http://tto.montana.edu/technologies>

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