

National Park Service
U.S. Department of the Interior
Joshua Tree National Park



THE CENTER FOR ARID LANDS RESTORATION: A Native Plant Nursery

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Mission Statement

- The Center for Arid Lands Restoration provides for the restoration of disturbed lands within Joshua Tree National Park, develops innovative technologies for conducting economical and effective desert rehabilitation, and maintains a network of partnerships throughout the desert southwest based on information sharing and at-cost native plant production.



In the Beginning...

- First phase of Federal Highways road project in Park, mid-1980s
- Lack of commercially grown Mojave native plants prompted development of nursery

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Currently...

- Still not many commercially grown Mojave native plants
- Native Plant Production for restoration
- Seed Collection and Storage
- Research Propagation Methods

Future...

- Continue to grow Mojave and Sonoran Desert native plants for restoration
- Identify and test innovative restoration techniques
- Publish germination protocols
- Support efforts to create commercially grown native plants
- Participate in restoration working groups
- Continue to partner with agencies to grow native plants for restoration

The Cycle- Seed Collection

- Collect seed from project area
 - Collect from similar habitat type and elevation as the target revegetation site
- Propagation from seed
 - Ensures genetic integrity
 - Increases genetic variability
- Collect early summer to fall



The Cycle- Propagation

- Pretreatment of seeds
 - Soak, scarify, leach
- Planting
 - Pot sizes and types
- Monitor and care
- Harden off



The Cycle- Outplant



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