

High quality seed and plant production for dryland restoration



Konya, Turkey
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Seed company for Mediterranean trees, shrubs, wilds and grasses

Forestry engineering consulting agency

Quality Seed Laboratory

Communication Agency, Social and Corporate Responsibility

Forest Biotechnology Laboratory



- Expertise
- Mediterranean species
- Rural development
- International cooperation projects
- Know-how and philosophy

Quality seed



Material selection

Processing and cleaning

Quality control

Storage and Conservation

Quality seed

Treatments on seeds:



- Chemicals
- Dormancy breaking
- Coated seeds
- Mycorrhizal inoculation

Quality plant

- Species and origins selection
- Cultivation system
- Local production
- Mycorrhized plants



Restoration in dryland



Direct sowing

high quality seed



Better adaptation of seedlings.

- Ratio root system/aerial part



Soils

- Little preparation
- Soil protection



Conservation - biodiversity

- Minimized damages
- Inaccessible sites, wider surfaces



Social and economical role

- Local populations
- Economic. Cost effective

Planting high quality plant



Soils

- Preparation



Skills

- Trained workers
- Machinery



Conservation - biodiversity

- Limited number of species
- Facilitate natural regeneration



Social and economical role

- Local populations
- Expensive. Cost effective

Mixed restoration direct sowing + planting



- Drylands
- Post fire restorations
- Small to medium surfaces
- Economic issues
- Site specificities

Some numbers from our experiences in drylands

<p>Pinus pinaster (85%) => Non treated seeds: 5% => Treated seeds: 27%</p>	<p>Mediterranean broadleaves (prunus, crataegus...) (80%) => Non treated seeds: 0% 1st yr; 2% 2nd yr. => Treated seed: 65% 1st yr.</p>
<p>Q - €</p>	
<p>Pinus pinaster restoration without shelter P.: 2400-3500 €/ha DS.: 600-1500 €/ha</p>	<p>Restoration with mediterranean broadleaves and shelter: P.: 4000-8500 €/ha DS: 1900-3500 €/ha</p>

For a successful restoration



Good project restoration - Planning

Quality plant material - diversification of species/ecological resilience

Monitoring

For a successful restoration



Protection of our environment and diversity

Social responsibility, building local capacity

Encourage participation