



Reseeding of sulla in semi-arid silvopastoral site (Central Tunisia). Credit: Mounir Louhaichi

Context

- Widespread pasture degradation depletes fodder resources which negatively affects livestock production.
- Rehabilitating degraded pastures (grazing land) can be done using well-adapted drought tolerant and highly nutritive fodder species.

Our innovative approach

- Promote native forage species which are well adapted to local environments.
- Enhance participatory approaches and capacity building of farmers through active involvement in decision making, provision of seeds and increasing their awareness about best agronomic practices.



ENVIRONMENTAL HEALTH & BIODIVERSITY

Promoting indigenous forage legume species to alleviate feeding gaps and enhance livestock productivity

Sulla (*Hedysarum coronarium* L.) is highly productive, deep rooted, palatable pasture and fodder legume well suited for semi-arid agricultural systems.

- Ideal for pasture rehabilitation through re-seeding
- Improves soil fertility and erosion control
- Provides excellent forage with high protein content
- Highly palatable, nutritious, and productive forage
- Multipurpose species with melliferous properties



RESEARCH
PROGRAM ON
Livestock

CGIAR

Feed and Forages Flagship

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Outcomes

- Improved livelihoods through better livestock performance and reduced feeding costs.
- Enhanced rangeland ecosystem services through higher soil organic matter and reduced water and soil erosion.
- Increased farmers' adoption reflected by huge demand to plant seed in their farms.



Sheep grazing sulla



Estimating forage yield of sulla

Credit: Mounir Louhaichi

Future steps

- Identify other indigenous forage species suited for drought prone areas.
- Scale these proven technologies to similar agro-ecological environments.

Partners

- Direction Générale des Forêts
- Commissariat Régional de Développement Agricole
- Ecole Supérieure d'Agriculture de Mateur



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