



Industry Interface Support Initiative

"Collaborative Oat & Rye Development"

www.slu.se/faltforsk

Integrating and Supporting Seed, Machinery and Livestock Value Chains

Seed Driven North-South Initiative with lateral outreach on the basis of agro-ecological overlap

Constraints:

- Reducing investment in Oat and Rye breeding and development
- Small scale equipment for small scale farmers in developing regions
- Low oat grain vs higher wheat grain yield
- Lack of early maturing rye fodder varieties
- Rising costs for conventional field based shuttle nurseries

Remediation:

- Nordic / NZ regions working together for year round shuttle seed production
- Advancing population advance beyond 2 generations/year
- by adopting and synchronizing a mix of field nurseries and Single Seed Descent (SSD) methods
- and reducing seed import/export costs

What is Single Seed Descent?

- A method of rapidly advancing populations from each generation of new crosses in small glasshouse pots
- A method where one seed is harvested from each plant, bulked, and sown in glass house pots at high density, through succeeding generations to homozygisis
- SSD uses minimum glasshouse space, materials, and labour.
- SSD is especially suited for inbreeding segregating populations destined for atypical environments.



Global Oat & Rye Group

Put representative action picture for each entity with their logo imbedded

Graminor Logo

GLOBAL OATS

Plant Research (NZ) LTD.

FLEXISEEDER
www.flexiseeder.com

NARC
Nepal Agricultural Research Council

Understand the Need - Keith & Adrian to finish -