

Nordic - New Zealand

Industry Interface Support Initiative

"Targeting Difficult Cultivated Soils"

+

"Reduced and Zero Tillage"

Integrating and Supporting Seed, Machinery and Livestock Value-Added Chains

John Stevens
John Hampton
Torbjorn Leuchovius
Geoff Gray
Alan Marshall
Travis P. Ryan-Salter



stevensj@flexiseeder.com
john.hampton@lincoln.ac.nz
Torbjorn.Leuchovius@slu.se
gmlegray@xtra.co.nz
alan.marshall@lincoln.ac.nz
ryansalt@Lincoln.ac.nz



Evolution and Development of New Zealand side of Flexiseeder

Local Farm Focus 2000 – 2004

Taege® S-Tyne Seed Drills

- ✓ Developing, field testing, manufacturing
- ✓ Servicing and establishing within the NZ market
- ✓ Targeted difficult cultivated ground plus reduced and zero tillage
- ✓ Included related agronomic practices / livestock interface
- ✓ Covered first 400 commercial drills produced and sold
- ✓ Included small scale drills for vineyards, modified for plot drills

New Zealand Seed Technology

- ✓ Supported the NZ Seed Technology Institute which later became the Lincoln University Seed Research Centre (2009) – ongoing

Technology Perspective

- ✓ Identified and established Nth / Sth end user networking
- ✓ Included lateral outreach on the basis of agro-ecological overlap
- ✓ Overlaid year-round / out of season value added seed chains
- ✓ Identified common equipment needs and constraints
- ✓ Began to interface seed, machinery and livestock value added chains
- ✓ Considered modular plot drills incorporating more farmer components
- ✓ Started networking Nordic – NZ technologies



Global & NZ Focus 2005 – 2014 (Plot & Farm)

Flexiseeder® Modular and Integrated Systems - tailored to end user needs

- ✓ Rotating tool bars incorporating variable frame height
- ✓ Interchangeable S tyne, hoe and disc coulters
- ✓ Normal + high volume portion & other feeds
- ✓ Air delivery + electric drive
- ✓ Original builds / up-upgrades / refurbishment across brands
- ✓ Mixed builds incorporating other brand modules
- ✓ Good as well as difficult arable soils (traditional and eco practices)
- ✓ Reduced and zero tillage
- ✓ Application and reliability of modules through out value added chains
- ✓ Farm module up-upgrades and re-integration
- ✓ Extension of unique Flexiseeder modules across brands
- ✓ Contracted R&D & production across brands including technical outreach
- ✓ Student mentoring & work experience



Designs & Builds



Understand the Need - Design and Build Accordingly – Provide Back-up Support

