

2011

Landvik/Sem field station, Norway.
Wintersteiger mounted drill with added fertilizer box and Flexiseeder light, 12-inch double steel discs



2013

HS Kristianstad. Rebuilt Haldrup plot drill for Mactrac
Seed frame wheels are the Mactrac's two front wheels



2013

Lantmännen SW Seed Bjertorp and HS Gotland.

Latest Flexiseeder models



Flexiseeder 2013 (commercial model) – features

- Tractor mounted drill, double Medium Duty discs for fertilizing and seeding
- Air system for distribution and transport of seed and fertilizer
- 3 parallel seed systems, 2 portion feeds, 1 cellwheel/continous feed
- Exchangeable coulter bars for quick setup of different seeding technology
- Side sections for seeding protection rows (easy to change air distributors)
- Digital drive (step motors) of feeders, setup from one common control box
- Add-on: Cassette seeding (Haldrup 6 row). Gothia parallelogram adapters.

Until now, no development of self-propelled drills (but modules could be supplied to existing marks). No precision-drill coulter bars/system developed. Plans exist on developing GPS-control of the drills digital driveline.

2013/2014 – from prototype to production

1. More components machine-made from Cad/Cam drawing programs
2. Technology openly (mainly) available (as modules or parts)
3. Croos-over use on small/medium farms as well as on plot drills *)

*) Companies we have consulted and/or used parts from:
Europe: Väderstad, Kongskilde-Överum, Amazone, Lemken, Gothia, Mactrac, Mistral, Sparex. Visits 2013 to plot equipment manufacturers Wintersteiger, Haldrup, Zürn.
New Zealand/Australia: Taege, Duncan, Smalshire, Trimble etc.

Other applications – eco-farming Gothia etc.



Flexiseeder is prepared for using Gothia parallelograms

Left – workshop (unpainted) piece of one adapter/holder unit

Cassette seeding



Haldrup SR-30
4-6 row cassette system
Flexiseeders are prepared for this system

Precision seeding



Väderstad Tempo - Seed meter

Väderstad Tempo system
Possible to integrate with Flexiseeder air system and digital step motors. It could be used with standard seed disc coulters (certain add-ons and modifications needed)

Other applications– liquid manure



1000 l tank, 12 port distributor. Quick change of applied rate. Different ground applicators

Wintersteiger-Zunhammer plot machine for liquid manure. You could add-on an application frame of your choice, even a seeding module (liquid manure being the combi fertilizer part). Width 3-4 meters

Other applications – broadcasting fertilizers



Add-on module could be fitted on others systems, like on a Jensen Speedy type sprayer frame (photo above), a self-propelled swather etc. The add-on module consists of: landwheel, stepmotor, control box, seed meter, air blower, hoses and distributor

or
You can use a Flexiseeder drill with a side boom – but that requires driving in alleys or shield areas of the field experiments.