



 **ERTH**  
ENGINEERING  
AGRICULTURAL MACHINERY  
**AGRISEEDER™**

*Outstanding in your field*



*Direct drilling has been around for a long time. It has come and gone over the years. We are doing things differently. Sales are increasing year on year and the perception in the marketplace of what we are doing is second to none.*

*The combination of our **products**, our **knowledge** and the **support** we provide are driving our business forward.*

*Let us help you drive your business forward.*

**David McCoubrey**  
Company Director

## WHY CHOOSE THE AGRISEEDER?

### THE FLEXIBLE DRILL

The Agriseeder direct drill enables farmers to establish crops with minimal soil disturbance compared to traditional inversion methods. It is an extremely efficient and cost-effective way to put crop in the ground, allowing the farmer to grow crops which can improve the soil and keep the land productive all year round.

From it's beginnings as purely a grass drill in 2014, the Agriseeder has evolved and developed into a well-established, multifunctional drill, capable of sowing practically any crop and delivering results in the widest range of conditions of any similar machines on the market.

The innovative step was a much better depth control system (auto contour) for controlling depth on undulating terrain. We have now also developed our own hopper, a secondary hopper system to put out two products, added different harrows and rollers and added a folding version to the range, with its own E Drive system. The additions of harrows have evolved the drill into a more flexible machine capable of both slot and scratch seeding. It is now so much more than a slot seeder.

Our product development will never stand still and we are always driving forward.

### BENEFITS

- Fertility retained at surface
- Firm surface with minimal disturbance
- Less moisture loss
- Does not lift stones or drag trash
- Delivers in hard and soft conditions
- Exceptional performance wet and dry
- Superb depth control on undulating ground
- Faster and cheaper sward turnaround
- Low hp requirement; tractors from 100hp
- Slot created is a natural moisture trap
- Slot created shelters the young seedling
- Tilth created in slot



Grass



Cereals



Cover Crops

### CROPS (Single Product or In Combination)

- |                   |                  |                |
|-------------------|------------------|----------------|
| • Clover          | • Grass          | • Fodder Crops |
| • Cover Crops     | • Setaside Mixes | • Microfert    |
| • Companion crops | • Cereals        | • Slug Pellets |



DRILLED WITH  
STANDARD 24 ROW



7 WEEKS LATER



FIRST TIME  
ZEROGRAZED

## SLIT SEEDING

Subject to adequate temperature, moisture is the single most important element needed for germination. By cutting a slit in the ground a natural moisture trap is produced so that seed germination is maximised and the young seedling is sheltered whilst it anchors its roots directly into the soil. If a slit is cut too deep the seedling may be slow to emerge or can fail as it will run out of energy and if cut too shallow then it can lose out on the advantages of the slit therefore good depth control is essential.

Sports fields apart, fields are undulating so depth control is more difficult. Most drills have a sprung loaded system to help cope with undulations. However the download pressures needed for a drill to do its job reduce the flexibility of these devices and can severely compromise depth control where there are ground contours as all the weight can be concentrated over several coulters. Shallow seeding is always preferable as it provides a quicker turnaround, however some drills are too rigid so when they try and sow shallow they miss or they sow deep. Autocontour allows more flexing of the drill so the drill overcomes this problem.

Slit seeding is generally the method of choice when moisture availability is low and it also has the ability to work in very wet conditions as it is not moving soil around.

## AUTOCONTOUR

With autocontour, a unique feature of the Erth Engineering Agriseeder, a secondary suspension system is incorporated to increase flexibility. The drill frames are partitioned into eight-coulter sections and the download to each is applied by a hydraulic ram. The rams are linked to each other so download per frame equalises despite undulations. This is seen by changing ram position as the machine goes down the field and is proven by the consistency of the cuts. Although autocontour was developed to help achieve better seeding depth over undulating conditions it does so much more.

The autocontour rams can be used to give hydraulic depth adjustment on the move.

- Reduced loadings improve reliability of all parts – bearings, rubbers, everything has an easier time.
- The flexibility of the Agriseeder with more even loading per coulter allows the machine to work in hard/dry and wet/soft conditions.

## DRILL BOTTOM END

The single disk on the Agriseeder works at a pronounced angle reducing pressure on the seed coulter and enabling good finish. The slot effectively opens up to form a small band and the flexing of the soil produces tilth to provide a better environment for the young seedling to establish and flourish.



DISTRIBUTION HEAD



KVERNELAND METERING



PLATFORM



GALVANISED FRAME

PUNKER FAN



FRONT LIGHTS



REAR LIGHTS



ROLLER



BOTTOM END



## PRO / PRO X CHASSIS

Modular build chassis enables fitting of 400L/900L plastic hoppers or 1000L steel hopper. Pro X model allows for fitting of different rollers.

### GALVANISED FRAME

Frame and components galvanised for durability.

### PLATFORM

Loading platform for ease of loading hopper and carrying extra seed.

### KVERNELAND METERING

Genuine Kverneland metering with 2 speeds, normal and micrometering. Simple setting and calibration. Area clock shows area covered.

### PUNKER FAN

High quality Punker fan for ultimate reliability powered by Casappa motor and with high volume return system.

### DISTRIBUTION HEAD

Gives even distribution across all coulters, across slopes and up and down hills. Clear dome allows operator to see seed flow.

### BOTTOM END

Forge de Niaux blades with SKF greaseable bearings and galvanised coulters.

### LIGHTS

Front and rear lights.

### ROLLER

Standard roller 14" steel barrel (other options available).



E- Series



Pro X - 24 Row 3m 1000L Hopper



4m Folding

## MODELS

### E SERIES

A new simplified set up with a 24 Row 3m standard chassis to accommodate low level 170L plastic hopper. Suitable for grass, cover crops, fodder crops and clover. Erth micrometering served by a high quality electric fan and delivering seed through a distribution head to a fully autocontouring disk system and galvanised coulters.

### PRO / PRO X SERIES

Available as 24 or 32 row 3m version and a 24 row 2.5m version.

### 4M FOLDING

All the features of the Pro Series but with E-drive as standard. Rams lock up and down. Transport width 2.8m.

Model	E Series	Pro Series			4m Folding*
		2.5m*	3m 24 Row*	3m 32 Row*	
HP	90+hp	100hp	100+hp	120+hp	140+hp
Row Width	125	104	125	94	125
Coulters	24	24	24	32	32
Weight	1400kg	1650kg	1700kg	2050kg	2950kg
Grass	Yes	Yes	Yes	Yes	Yes
Small Seeds	Yes	Yes	Yes	Yes	Yes
Cereals	No	Yes	Yes	No	Yes

\*with harrows can do slot and scratch seeding



E Drive 7" Touchscreen



Otico Farmflex Roller



18" Coil Roller



Secondary Hopper on 4m Folding Model

## OPTIONS

### HOPPER SIZE

- Plastic: 400L,900L
- Steel: 1000L

### SECONDARY HOPPER

Designed in house by Erth for precision delivery or small quantities. Stainless steel construction, can handle practically any compound (grass, microfert, pellets, peas). Smooth delivery with the ability to sow really low rates. Output can be either fed to the venturi in “down the slot” applications or broadcast on the surface.

For example:

- Grass down the slot; clover on the surface.
- Peas down the slot; clover on the surface.
- Fodder crops down the slot; slug pellets on the surface.
- Seed and fertilizer down the slot.

### HYDRAULIC FRONT HARROW

Where the drill is to be used in conjunction with conventional tillage or with reekie harrow to reduce repression from chemical. Use in conjunction with rear harrow for slot and scratch seeding combinations.

### REAR HARROW

Toplink adjustable. Helps dust more fines into the slot and helps neutralise chemical repression.

### ROLLER OPTIONS

- Otico Farmflex roller - ideal for drilling on cultivating ground
- 18” Coil roller

### E DRIVE

7” touchscreen shows all functions. Built in camera.

### HYDRAULIC MARKERS

Can be fitted at any time.

### TRAMLINES

Standard Kverneland dump to tank solenoid valves and Kverneland control box.

### TRAILING KIT

Chassis front to rear for strength. Mechanical transport locks and swivel drawbar for tighter turning.

### MUCKSCREEN

For working in damper conditions.



Hydraulic Markers



Trailing Kit



## CONTACT US

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**ALSO AVAILABLE**



The Panbuster range is designed to improve soil aeration and improve drainage. It will help farmers to grow more grass, extend their growing season and improve grass quality.

All machines have hydraulic depth and adjustment on the move, which amongst other innovations, helps our subsoilers to really stand out.





**PRODUCT • KNOWLEDGE • SUPPORT**



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