



# LLAND-HO

**SOLUTIONS THROUGH INNOVATION**

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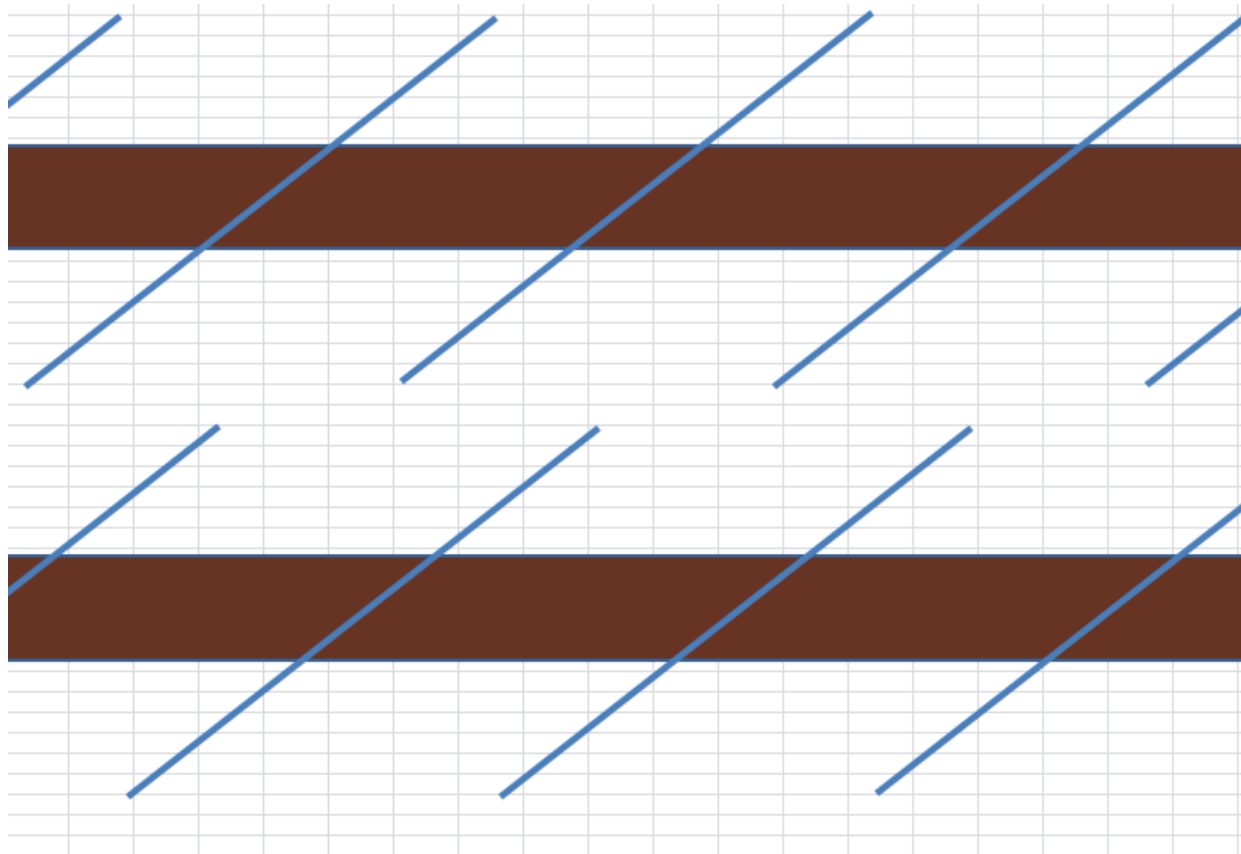
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# Ideas behind the concept

- Something to address soil erosion, pesticide and nutrient loss from tramlines which had to;
- Quick operation
- Aimed at the cereal tramlines
- No need to retreat after every sprayer / tractor pass.
- No adjustments needed to compensate for slope.

- Came up with the diagonal parallel channels crossing the compacted tramlines.



- How to create the water diversion channels?  
Inspiration from an old wood drill bit

# Earthwake

Tramline drainage system

## LOW POWER REQUIREMENT

Circa.61.1 KW (80 hp), Weight 700 Kg.  
High operational speed up to **12km/h**

## ADJUSTABLE FEET

For safe, secure storage

## ROAD TRANSPORT

Three point linkage

## STEEL SCREW

Long pitch, large diameter land driven screw to create drainage channels every Circa 2m preventing water volume and energy accumulation.

The angle of the created drainage channels, relative to the tramlines, enable effective water dispersal whatever the degree or direction of the slope without adjustment.



Patent Pending GB1511954.8

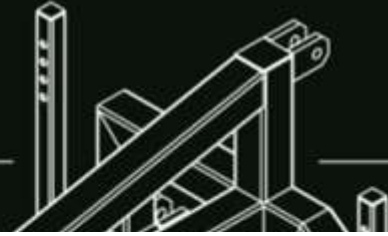
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# Benefits

- **Your asset** - Reduced soil loss – MOPS Project estimated soil loss from 1ha in the region of 300kg-700kg = £18.00/ha/yr to purchase topsoil + spread cost.
- **Inputs** - Nutrients – P – 0.74 – 2.93kg/ha
- Pesticides ? – water quality data shows that pesticides are certainly being lost from fields.
- Security of a.i.'s reduce the amount found.



Cost from £7500 +vat  
Low running cost - £10/ha est. 24m

3 yr payback on a 500ha farm  
based just on soil loss. (est.)

