

PRESS RELEASE

Kverneland Ecomat On-land Designed for High Performance Shallow Eco-Ploughing, Eco-Tillage and Eco-Stubble

High Performance and Safer Transport

09.2024 Klepp, Norway



Kverneland Ecomat On-land

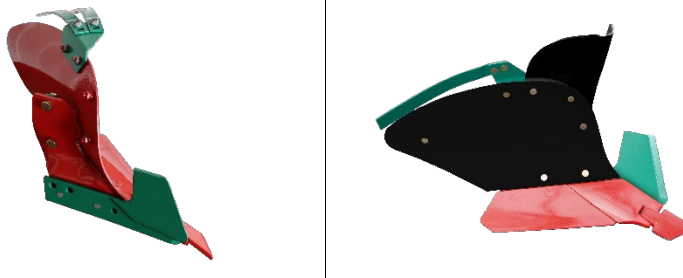
Some soil structures require a seedbed preparation with a minimum disturbance. Several techniques are available, but the compliance with the “Green Deal” aiming at reducing chemical usage and the necessity to control weeds, slugs and pest mechanically challenge farmers. The polyvalence of Kverneland Ecomat On-land designed for shallow operations offers an efficient solution while limiting the risk of soil compaction by operating On-land. High profitability and extra safety during transport are not least.



Kverneland Ecomat On-land Eco-tillage

Efficient Ecomat bodies

Kverneland bodies are famous worldwide for their high performance.



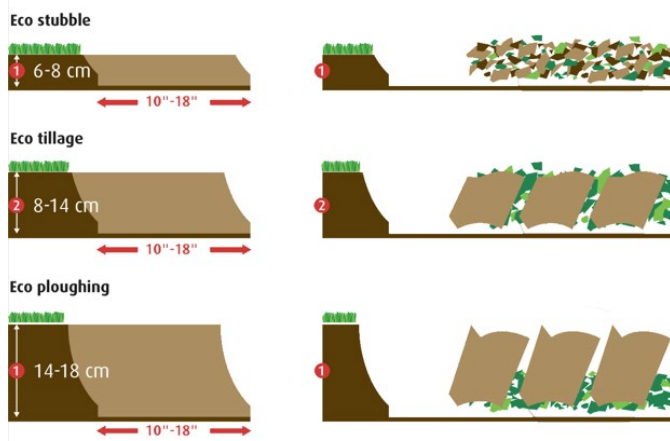
Their special design: short, high and very cylindrical, enables an up to 180° efficient soil turning effect. Fitted with a specific range of accessories, the steel or plastic Ecomat bodies can be flexibly used in different soil structures, residues and adjusted to the desired working depth from 6-18 cm.

The beam located in the middle of the body prevents blockages.

Polyvalent Ecomat: 3 in one

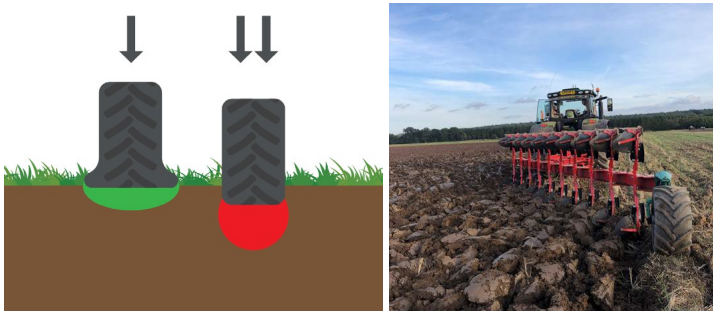
Efficiency and flexibility with only one implement: the Kverneland Ecomat On-land enables 3 types of soil preparation by adjusting the ploughing depth and adapting the choice of accessories.

Eco-stubble, Eco-tillage and Eco-ploughing:



Operating On-land bears a number of benefits

- On-land operations allow working with wider and lower pressure tyres and hence contribute to a lesser soil compaction.
- easy removal of the soil compaction since the impact is not in the furrow but in the soil top layer, ploughed instantly.
- improvement of the soil profile in adverse conditions, especially on heavy soil types.
- higher comfort for the tractor driver.



Accessories that make the difference

For the perfect expected result, a range of accessories is available to suit your fields conditions:

- Eco-share to remove or prevent a possible soil pan by working 10 cm under the working depth.
- landside knife to cut dense roots.
- single trashboard to cut and guide the residues.
- two trashboards to guide and pre-mix the materials.



Eco-share



Landside knife



Single trashboard



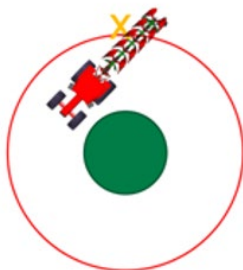
2 trashboards

Safer transport (TTS)

A 10 furrow implement can imply a safety risk during transport when going out of the farm, in narrow passes or on roundabouts. Kverneland Trailer Transport Solution (TTS) enables the Ecomat On-land to behave just like a trailer behind a car. It maximises safety for the driver and for anyone or anything around. The pivot point of tractor and implement combination is located in the middle. Therefore, there is no tilting out.

Furthermore, a long implement in transport is often too high to pass under bridges for instance. The Kverneland Ecomat On-land lows down below the tractor cabin which solves the matter.

Another advantage is the quick and easy made setting. It only takes 1 minute to set the Ecomat On-land from transport to operations and vice versa.





High profitability - Low fuel consumption

Scientific studies conclude that a plough does not consume more fuel than a cultivator when doing the same work in the same soil conditions at 23 cm working depth.

Author: Prof. Dr. Wolfgang Kath-Petersen Cologne University of Applied Sciences, Institute of Construction Machinery and Agricultural Engineering, 2015

With the Ecomat On-land, shallow operations can only result in an even lower fuel consumption due to the lower pulling requirements and the easier on-land traction.

Not least, to ensure an efficient control of weeds, slugs and pest, direct drilling would require the cost of several extra passes in the field and the extra cost of entrants like chemicals. This is not necessary when operating with the Ecomat On-land.

High capacity – low lift requirement

Available as an 8 and 10 furrow implement and a working width adjustable from 30-50 cm, the Kverneland Ecomat On-land can work from 2,40m up to as much as 5,00 m.

With a 65cm interbody clearance, the implement is quite compact and only requires around 7 tons of lift capacity which suits most medium size tractors.



Working width changes

Depending on soil conditions, speed and plant residues, changing the working width helps achieve the best results. It is easily done by moving only 1 bolt on each leg assembly (30, 35, 40, 45, 50 cm, ie 12"-20").

Kverneland Ecomat On-land specifications

Kverneland Model	Number of Furrows	Working Capacity (m)	Interbody Clearance (cm)
Ecomat On-land	8 - 10	2,4 - 5,00	65

The Kverneland Ecomat On-land whilst not being a plough benefits from the same steel heat treatments as any Kverneland ploughs to guarantee an exceptional life time, low wear and a low fuel consumption.

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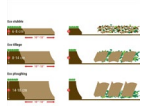
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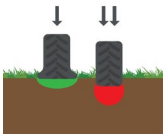
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[Kverneland Ecomat plastic body](#)



[Kverneland Ecomat 3 types of soil preparation](#)



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[Kverneland Ecomat On-land, heavy soils](#)



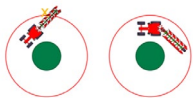
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[Kverneland Ecomat single trashboard](#)



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[Kverneland TTS](#)



[Kverneland Ecomat On-land in transport \(TTS\)](#)



[Kverneland Ecomat On-land in transport lows down](#)



[Kverneland Ecomat On-land low lifting requirements](#)

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