

SWARD LIFTER



“ Alleviate compaction & prevent water logging,
FOR A MORE PRODUCTIVE SWARD ”

SWARD LIFTER - GRASSLAND SUBSOILER

Many farms suffer from poor quality swards even if they plough and re-seed regularly. Furthermore, farms are using ever larger machinery on their grassland which brings with it an increasing problem of compaction.

The Sward Lifter is designed to alleviate compacted layers in the soil, opening up the subsoil to improve drainage and air interchange without significant damage to the productive sward.

Waterlogged ground prevents grass growth and spring operations such as slurry and muck spreading, harrowing, fertilising and overseeding. It also means livestock cannot be put out to graze which in turn effects forage requirements and productivity.

The Sward Lifter, with its rugged construction, is specifically designed to break up hard pans and surface compaction while lifting and opening up the subsoil creating improved aeration and drainage.

Three-point linkage frame allows for a bolt-on Cat III headstock connection (optional Cat II bushes). Anti-rotation design linkage pins are also included.

Improved in 2019, with a re-designed frame and trailed cutting disc, the Sward Lifter is available in both 3 and 5 leg formats.

- Alleviates compaction from livestock and vehicles
- Prevents poaching damage from water logging
- Promotes better grass growth
- Allows earlier grazing, slurry spreading and utilisation of the grassland after winter

OPICO Sward Lifter
Hydraulic reset
3 Leg
2.7m

✓ TRAILED CUTTING DISCS

The "opening" cutting disc is mounted on a spring-loaded trailing arm allowing it to trip out of the way of obstacles more easily. The cutting discs are also bolted on to the frame allowing the operator to improve the alignment with the sward lifter leg.

The bolted on trailed cutting disc can also be mounted in a high or low position to maintain maximum strength whatever the working depth, whilst the box section also allows space for a screw spindle depth adjuster which incorporates a depth marker scale for improved accuracy.



✓ LEG & POINT



The front of the leg has a replaceable, reversible shin.

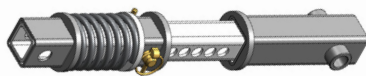
Two cast steel point options consist of the 6cm standard and a 25cm winged point to suit all conditions and soil types.



✓ SIMPLE DEPTH ADJUSTMENT

All machines come as standard with a pin adjustment system to control the depth of the leg and the pressure on the rear spring-loaded press roller.

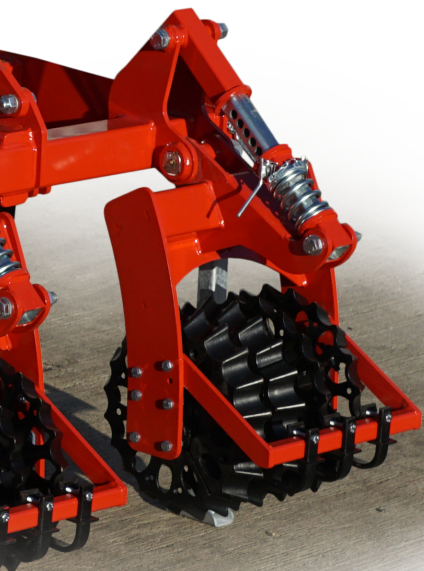
The depth adjustment system controls both the depth of the leg and the pressure of the spring-loaded press roller. Each roller is individually spring loaded to close the slot and level the surface.



STANDARD PIN

Each roller is individually spring loaded to close the slot and level the surface.

✓ PRESS ROLLERS



Individual spring-loaded depth rollers with a pin adjusted sliding depth sleeve follows each leg to close and level the surface leaving your field ready to use.

✓ SHEARBOLT OR HYDRAULIC RESET



SHEARBOLT

Leg protection is provided by either shearbolts or a hydraulic reset system to prevent damage from large obstacles under ground.

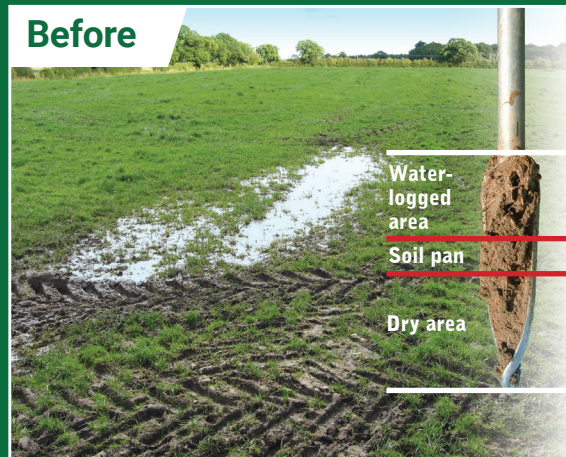


HYDRAULIC RESET

BEFORE & AFTER SWARD LIFTING

The untreated area photo (before) shows the top layer of the soil is water logged. The compacted layer is preventing the water from passing through.

Before



In the treated photo (after) you can clearly see the water has been able to penetrate through the top layer and down through the soil profile.

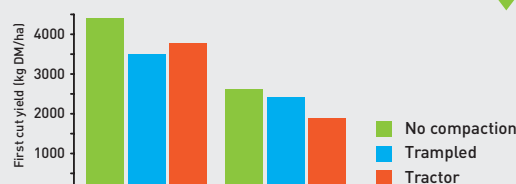
After



Sward Lifting prevents water logging in the winter and allows oxygen into the grass root zone. As the grass is not put under water logging stress through the winter it is able to take advantage of warmer days and starts to grow earlier in the spring.

Impact of compaction on first cut grass DM yield

- Trampling compaction reduced grass DM yield by 14%
- Tractor compaction reduced grass DM yield by 22%



Source: AHDB Assessing the impact of soil compaction.

The impact of compaction on DM yield increases significantly year on year.

SWARD LIFTER - SHEARBOLT SPECIFICATIONS

Model	Working Width	Transport Width	Number of Legs	Weight	HP Required
NON-FOLDING					
13WBG-3	2.7m	2.7m	3	900kg	100+
13WBG-5	3.0m	3.0m	5	1190kg	120+
HYDRAULIC FOLDING					
13WBGH-3	4.5m	3.0m	5	1815kg	140+

SWARD LIFTER - HYDRAULIC RESET SPECIFICATIONS

Model	Working Width	Transport Width	Number of Legs	Weight	HP Required
NON-FOLDING					
13WBG-3H	2.7m	2.7m	3	1245kg	100+
13WBG-5H	3.0m	3.0m	5	1670kg	120+
HYDRAULIC FOLDING					
13WBGH-3H	4.5m	3.0m	5	2460kg	180+

OPICO SWARD LIFTERS

- ✓ Alleviate compaction from livestock and vehicles
- ✓ Prevent poaching damage from water logging
- ✓ Promote better grass growth
- ✓ Allow earlier grazing, slurry spreading and utilisation of the grassland after winter

“ I turned my animals out to grass three weeks early thanks to the new Sward Lifter ”

“We had 25 acres that had been compacted from where we had cut silage and on headlands where we had run a lot of animals. The grass looked pretty stale and wasn't growing well.

We subsoiled certain pieces with the Sward Lifter and it just let the water through! You could see a real difference through the winter – the ground has been a lot more free-draining.”



Robert Parrish
Hassendean Burn Farm,
Hawick.



Profit from our knowledge

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