

# Hydraulic Auto Reset Sward Lifter

The Sward lifter is available with hydraulic auto reset for extremely stoney conditions. An individual ram on each leg that's connected to a gas accumulator allows the leg to break back and reset if it comes into contact with an immovable object.

As the legs are adjusted deeper the leverage on the hydraulic reset ram increases, to compensate for this the Sward Lifter has a pressure adjusting valve and pressure gauge to allow you or the operator to set the force required for the leg to break back to suit various types of working conditions.

**Hydraulic Auto Reset version - developed for stoney conditions**



**“ 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 has 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.



## Sward Lifter Specifications

### Sward Lifter Grassland Subsoiler

Model No.	Working width	Transport width	Number of tines	Weight	HP required
13WBG-3	2.7m	2.7m	3	710kgs	100+
13WBG-5	3.0m	3.0m	5	1170kgs	125+

### Sward Lifter Grassland Subsoiler - Hydraulic Reset

Model No.	Working width	Transport width	Number of tines	Weight	HP required
13WBGH-3	2.7m	2.7m	3	1105kgs	100+
13WBGH-5	3.0m	3.0m	5	1670kgs	125+

YOUR LOCAL OPICO DEALER

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*Profit from our knowledge*

# OPICO'S SWARD LIFTER



## For a better quality sward



*Profit from our knowledge*



# OPICO's Grassland Subsoiler

## Open subsoil, better drainage, more grass

### POOR DRAINAGE

Many farms suffer from poor quality swards even if they plough and re-seed regularly. Fields with heavy traffic have a problem with soil becoming compacted preventing adequate drainage through silaging, livestock damage, and through the weather capping and sealing the soil surface.

With the ground waterlogged it can be too wet for spring operations such as slurry and muck spreading, harrowing, fertilising and overseeding. This means livestock cannot be put out to graze which in turn effects forage requirements and productivity.

**This is where the OPICO Sward Lifter can help.** 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.

### UNIQUE DESIGN

The Sward Lifter's unique design leads with a cutting disc at the front that opens up the turf allowing the subsoil leg to travel through the sward without soil bursting onto the surface. Each of the Sward Lifter's legs are fitted with shear-bolt or hydraulic reset to prevent damage. Spring loaded rollers are then employed at the rear of the unit to press closed the turf leaving a surface that is level and ready for use.

### Adjustable Cutting Discs



Spring loaded cutting discs in front of each leg on manual winding depth adjusters cut through the grass sward preventing damage and soil bursting to the surface.

### Shear-Bolt & Auto Reset



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



### Leg and Point



The front of the leg has a replaceable reversible shin to keep the cost of metal wear as low as possible, two point options consists of the 6cm standard and a 25cm winged point to suit all conditions and soil types.

### Press Rollers



Individual spring loaded heavy cast Prisma press rollers follow immediately behind each leg to close and level the surface leaving your field ready for use.

### Depth and Pressure Adjustment

The Sward Lifter's maximum depth is controlled by a simple double pin system above each rear press roller to ensure the machine does not work any deeper than required. The pressure exerted by the Prisma press roller can be adjusted by moving the spring to one of the twelve settings to give maximum down force ensuring the best possible finish.



The untreated area photo (below top) shows the top layer of the soil is water logged as a compacted layer is preventing the water from passing through, in the treated photo (below bottom) you can clearly see the water has been able to penetrate through the top layer and down through the soil profile, this will prevent water logging in the winter and allow 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 to grow and starts growing earlier in the spring.

