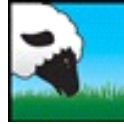


# SOVEREIGN

Oliver Seeds



Club root tolerant



**Sovereign is a high yielding, medium-tall forage kale with good club root tolerance.**

In agronomic tests conducted by the SAC in Aberdeen, Sovereign was shown to have good dry matter yields and excellent leaf-to-stem ratio, thereby increasing stock utilisation and animal performance. Successfully tested for winter hardiness and keeping ability, it has the potential to maintain good quality production over a longer usage period.

Sovereign does not produce the large thick stems common to giant kales even when planted at lower density, therefore increasing palatability.

## Ratings

### Dry Matter Yield



### Crude Protein



### Digestibility



### Height



### Winter Hardiness



Seed Rate	Pack Size	Seed Treatment
2.5 - 7.5kg/ha	1kg	Untreated



Regular monitoring of the crop is still required as action may be needed in the event of heavy attack by flea beetle.

Stock should be introduced gradually over a two week period and an area of grassland should be available for animals to return to; water and hay or straw should also be made available. Please contact your supplier for further guidance.

## Kale Yield and Feed Quality

Average dry matter yield	8 - 10 tonnes/ha
Average fresh yields	60 – 65 tonnes/ha
Crude protein	16 - 17% fresh, 19 - 25% ensiled
Digestibility value	68D

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enquiries@oliver-seeds.co.uk  
Metabolisable energy 10 - 11 MJ/kg DM