

Sphagnum BeadaHumok®

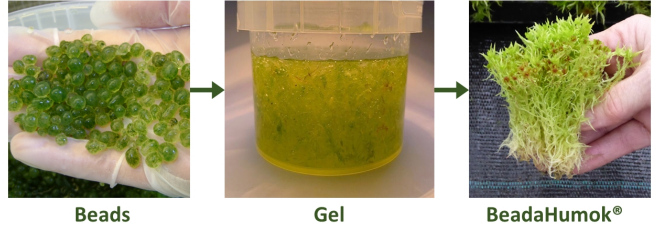


- >11 million produced
- Grown 100% Peat Free
- No donor site damage through wild harvesting
- Multiple Sphagnum species for targeted planting
- Resilient and rapid establishment and growth *in situ*
- Easy to transport and plant
- Sustainable production methods

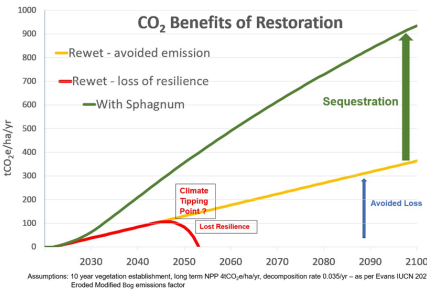


Optimising Revegetation of Peatlands

>15 years of development and trials to produce a method which provides optimal survivability, growth, biodiversity, greenhouse gas and ecosystem benefits while factoring in cost



Sphagnum for Climate Resilience

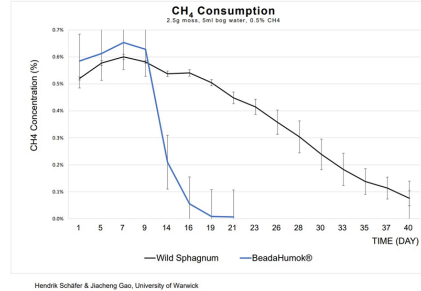


~88-110 tCO₂e/ha could be sequestered within 3.5 years through planting Sphagnum

This provides resilience against the influence of projected climate change impacts

Without revegetating with Sphagnum there is a significant lost opportunity for carbon sequestration

Micropropagated Sphagnum and Methane



Micropropagated Sphagnum supports more active methanotrophic bacteria and demonstrates a higher methane consumption rate than wild-harvested material

Provides a natural solution to mitigate the increased methane emissions associated with rewetting peatlands

Sphagnum and Biodiversity

Sphagnum functions as an Ecosystem Engineer

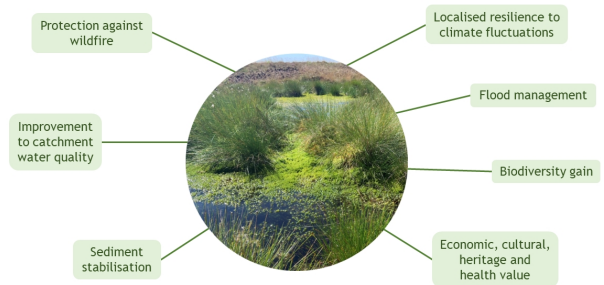
Influences conditions - reduces pH, maintains water table, stabilises peat surface

Produces optimal environment for the development of native peatland species

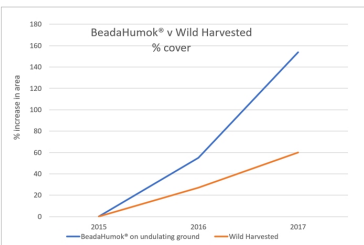
Boosts biodiversity



Additional Benefits to Ecosystem Services



Growth and Establishment



Beadamoss® demonstrated a much higher rate of growth than wild harvested material on a restoration site
 (Data from Moors for the Future trials on Kinder Scout)



Input	Wild Harvesting	Micropropagation
Harvesting	Impact at Donor site	No impact
Supply	Limited	Scalable
Species	Limited Control	Controlled
CH ₄ mitigation	Slower	Faster
Cost	Lower	Higher

