



Beadamoss® Specification and Technical Guidelines for Restoration

Please call Sadie if you have any questions

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Why use Sphagnum BeadaHumok®?

Beadamoss® flourish in degraded peatlands to deliver essential eco-system services:

- ✓ Vegetation cover stops carbon emissions
- ✓ Sphagnum locks up more carbon (photosynthesis)
- ✓ Sphagnum hold water - cleans it & reduces flood risk
- ✓ Vital in peatland biodiversity



Specification for using Sphagnum BeadaHumok®

What is a BeadaHumok®?

- Each BeadaHumok® is a dense clump of ~100-200 stems of micropropagated sphagnum, ~5-10 cms long
- Species - each BeadaHumok® has a mixture of species as specified in the particular mix planted



How Supplied?

- Reliable delivery as you need to suit site conditions
- Compact to carry onto site - 400/bag
 - Rolls of 20 BeadaHumok®, with 20 rolls/ bag
- Delivered in stackable plastic crates (to be collected)
- Paper (biodegradable) or Plastic wrapping (recycleable)
- Return all wrapping, bags to us for recycling (please separate paper/plastic)



How to Store?

- 7 days maximum store before planting
- Keep in barn (2-5°C) or other cool, sheltered location, not direct sun
- Don't allow to freeze
- Keep bags closed until ready to plant (so not dry out)
- Store away from livestock



How to Plant?

- ✓ Use a dibber / thumb / screwdriver / trowel
- ✓ Plant with ~¾ BeadaHumok® buried, green capitula showing
- ✓ Heel/firm into peat after planting for good contact with peat
- ✓ Not into frozen ground - frost heave
- ✓ Not in dry areas/ crusty peat surface/ hagg tops/ steep gullies
- ✓ Take care near open water or large areas wet peat - follow your safety guidelines



Continued overleaf.....

Where to Plant BeadaHumok®?



- ✓ Site needs good hydrology, ideally with some vegetation
- ✓ Where wet underfoot/with existing vegetation / areas behind gully blocks & dams
- ✓ If Bare peat areas either:
 - Cover after planting BeadaHumok® with a mulch such as brash or straw.
 - Season before planting - establish vegetation sward eg lime/ fertiliser/amenity grass seed; plug plants of common cottongrass & other species
- ✓ If Areas of very dense vegetation: before planting - mow/flail areas of Heather/ Molinia/ Cottongrass to allow light to penetrate

Avoid dry areas eg. hags, steep gully sides

Density of Planting? How quickly sphagnum cover wanted?

- ✓ Overall site density eg 2,500 /Ha = 1 BeadaHumok® every 4m²
5,000 /Ha = 1 every 2m²
10,000 /Ha = 1 every 1m² into dense vegetation eg. Molinia
30-60,000/Ha = lowland intensive planting
- ✓ Target denser planting in best areas - near cottongrass, in wetter areas & pool edges
Avoid dry areas eg. hags, steep gully sides

Factors affecting optimal establishment are:

- Good site hydrology.
- Ideally onto site with some vegetation.
- If bare area - ideally establish an initial nurse crop protection or use a mulch (straw, brash)
- Frost heave or movement of surface peat will reduce good establishment
- Adverse weather conditions eg. frozen ground, drought (BeadaNoss® are more robust)

Summary of Terms of Supply of BeadaMoss® products:

Goods are supplied subject to our Full Terms which can be sent on request

Delivery: We always make every effort to supply products as agreed with time and place of delivery to support you. **Factors affecting optimal establishment are:**

Good site hydrology. Ideally onto site with some vegetation.

If bare area - ideally establish an initial nurse crop protection or use a mulch (straw, brash) Frost heave or movement of surface peat will reduce good establishment

Adverse weather conditions eg frozen ground, drought (BeadaNoss® are more robust/resilient)

Storage: On delivery, the customer takes responsibility for appropriate storage of goods. This may include eg. coldstorage facility, and safe storage away from livestock. We are always pleased to advise. Store cool (2-5°C) away from direct sunlight. Store in original containers, keep closed and away from children, pets, livestock & foodstuffs.

Packaging Rigid plastic crates for delivery are all returnable. All packaging can be returned for recycling.

Customer Obligations: BeadaMoss® products are:

- Not to be supplied to 3rd party (in whole or part), other than to planting contractor;
- Not to support development of any product containing the goods or progeny or derivatives; •
Not to harvest and replant the goods;

The goods are to be used with these recommended application rates & techniques.

Labelling: Goods will be labelled appropriately for use.

Risk Assessments: We are always happy to assist in each instance. Our risk assessments are complete to point of unloading at delivery.

Safety Advice: BeadaMoss® products are all degradable and non-hazardous so no PPE is needed for handling. Gloves may be worn. Wash hands after handling. Spillage can result in slippery surfaces.

Disclaimer: Micropropagation Services (EM) Ltd, trading as BeadaMoss®, cannot accept any liability for loss, damage or injury resulting from application of any procedure suggested or derived from any of these notes. Micropropagation Services (EM) Ltd cannot accept liability for reduced establishment due to adverse conditions post-application, inappropriate sites and/or deviation from advised application techniques.