



Intelligent Solutions for the Environment

Sustainability Of **Biogreen™** Reed-Sedge Peat

Biogreen™ reed-sedge peat is harvested from a resource that is perhaps 5000 – 15000 years old, near Swan Marsh in south-western Victoria. The peat has formed as a result of the slow degradation of dead reeds under wet, oxygen-free conditions, under the pressure created by the layers of material above. The Swan Marsh deposit is “dead” in the sense that the peat forming process largely ceased about 100 years ago, when the original Swan Marsh swamp was drained.

*Why then, is **Biogreen™** peat considered to be an environmentally sustainable product, by such organisations as the National Association for Sustainable Agriculture (Australia) (NASAA)?*

Environment Australia’s Web site (<http://www.ea.gov.au/esd/index.html>) provides two widely accepted definitions of *sustainability*:

“Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs” (Bruntland)

“using, conserving and enhancing the community’s resources so that ecological processes, on which life depends, are maintained, and the total quality of life, now and in the future, can be increased” (Australia’s National Strategy for Ecologically Sustainable Development)

In this context **Biogreen™** peat is clearly sustainable because of the environmental benefits it brings wherever it is thoughtfully applied, through

- improving plant growth (vigour, robustness, colour, and quality and quantity of fruit or crop) while minimising demand for, and consumption of, both water and fertiliser;
- long-term improvement to the structure and water-holding capacity of soil, and
- removal or immobilisation of pollutants, odours and harmful chemicals.

But, unlike many other “natural” products, these benefits **do not** come at the cost of environmental devastation at the source.

The **Biogreen™** Peat Resource site:



The peat production facility is surrounded by dairying pasture established in the 1930s.



Excavated areas, which are less than 3 metres deep, fill with rainwater, and are quickly revegetated by native sedge species. The areas serve as cleansing re-charge points for the underlying groundwater aquifer, and are a haven for local wildlife, especially birds.

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