BIOGREEN™

'Saves water naturally'

VITICULTURE
& HUMIC REED-SEDGE PEAT

THE SOURCE

Biogreen's Humic Reed-Sedge Peat is in abundance at our Colac mine site in Victoria Australia. It is used extensively as an organic All Purpose Soil Conditioner.

The benefits of peat application to commercial crops has been scientifically known and applied for many years in Europe and North America, but has been relatively under-utilised in Australia.

AGRICULTURAL TRIALS

Biogreen has instigated trials that investigated the cost benefits of the addition of its sedge peat to soils in which a wide range of crops, including olives, grapes, citrus, almonds and various brassicas were being established or grown. These trials have demonstrated clear, cost-effective benefits to growers.

VITICULTURE

Biogreen has completed field trial research with the application of Humic Reed-Sedge Peat to grapevines, both at planting and during normal production.

Initial trials completed for Biogreen by Agritek at John Keating's Vineyard at Wemen, Victoria, involved the application of 1,200 Litres of <10mm granule-sized peat by both drilling (with Gordo, 12cm deep in the middle of the interow space) and broadcasting (with the Gordo and with a sultana planting). There were 14 rows of each vine type trialed.

A sultana grape trial was broadcast, and a Gordo trial was split, 50% in drills (12 cm deep under the vine drip line) and 50% broadcast.

The peat treated areas were substantial, being made up of 14 rows of each vine type.

Mr. Paul Croxton (Dip Hort Science Hons. Massey), reviewed the trial site and reported "We were impressed with the visual evidence of bunch size, juiciness of the fruit and the greatly increased foliage areas of the vines treated with peat, as compared to adjacent untreated areas".

The visual evidence was confirmed at picking when the peat-treated rows delivered 125 ten-kg buckets per row, compared with 100 ten-kg buckets for each control row. This is a grape yield increase of 25%.

This result equated to a cost of application of $500 per hectare returning an additional $1,700 per hectare in yield.

BIOGREEN VITICULTURE & HUMIC REED-SEDGE PEAT

A significant increase in the number of new canes was also reported. The farmer expects a further increase in yield in following seasons.

The use of peat in the, (now standard), grape stock graftlings mix at Boulevarde Production Nurseries at Mildura, further confirmed the benefits of peat additive regime to grape production.

A 10% peat addition to the mix, against a 0% control, gave the following:

Item	0% peat	10% peat	15% peat
Scinter Length	54mm	65mm	127mm
Scinter Ø mm	0.25mm	0.29mm	0.38mm
Shoot Length	270mm	270mm	290mm
Leaf Count	11	13	11
Stock Ø mm	15mm	13mm	15mm

Further increases in the % of peat added, beyond 15%, did not show additional benefits.

A further vine graftlings trial, completed by Agriculture Victoria Services, reinforced the findings above and added useful information, particularly about cane length:

Item	0%	10%
	Peat mm	Peat mm
Cane No. - 2 weeks after planting	1.28	1.63
Leaf No. - 3 weeks after planting	7.38	8.29
Cane length - 3 weeks after planting	173.2	226.0

APPLICATION RATES

Recommended peat application rates for viticulture are:

Surface apply: 3 cubic metres per hectare applied along the rows of vine then turned in.

Drill: 3 cubic metres per hectare drilled to 12cm in depth in a band down the middle of the inter-row area.

Grape Rootling and Graftling Starting Mix:

Air-filled porosity of about 25%, with mixtures such as:

60% composted pine bark
25% clean sand
15% Biogreen humic or fibrous reed-sedge peat

70% composted pine bark
15% Biogreen humic or fibrous reed-sedge peat
15% clean sand

35% composted organic material (e.g. pine bark or sawdust)
35% clean sand
15% Biogreen humic or fibrous reed-sedge peat
15% Spagnum peat

Adjust pH to about 5.5, add trace elements and controlled release fertiliser then blend.

Blend and add control release fertilisers micro- nutrients and trace elements to suit.

Biogreen with the experience of these successful commercial trials, is committed to continuing product development and sales support. Future trials will continue to refine optimum application rates, methodologies and cost benefit analysis.

SERVICE

For More Information: Contact Biogreen or your local product supplier.

LIABILITY LIMITATION

Limited Warranty: Biogreen warrants that the composition of the product conforms as closely as possible to the description on the label as determined by a laboratory testing programme. Biogreen has acted in its best endeavour to represent the product truthfully but notes that organic natural products can vary.

Disclaimer of Warranties: Biogreen sells its product as is where is and specifically excludes any and all warranties, whether written or oral, or implied, including any warranty of performance or fitness for a particular purpose or use.

BIOGREEN
Biogreen Products Pty Ltd
Suite 4 / 232-236 Bluff Road
Sandringham Vic 3191
Tel: 61 3 9598 7913 Fax: 61 3 9597 0677
Internet: www.biogreen.info Email: info@biogreen.info

Distributor:

Biogreen is committed to delivering intelligent products and solutions for the environment we live in. The Company is active in soil restoration, fertiliser delivery, and environmental containment and protection.