Seamungus

Almonds – Adelaide Plains, SA

This trial was carried out on 34 year old almond trees of three differing varieties

– Price, Non-Peral & Fritz.

Both the treated and untreated plots returned the same yield of 2600kg per hectare.

The differences were found in the kernel grades and kernel analysis. The agronomist reported "In almonds, kernels are graded according to size, the larger the kernel, the better the return to the grower. In the small sample collected, the treated plot produced 22% "18-20" size (the largest), 60% "22-24" and 18% smalls. The untreated plot did not produce any 18-20's, just 62% "22-24" and 38% smalls."

The kernel analysis also showed better nutritional levels in the treated almonds, particularly zinc and calcium."

The agronomist reported that the overall results of the Seamungus application in almonds showed 3 distinct advantages:

1. Better early shoot growth

2. Significantly better kernel size.

3. Higher nutrient levels in the kernels.

Being a permanent planting, additional benefits could be expected in successive years of Seamungus application.

Seamungus Liquid

Neutrogs famous seamungus is available in a versatile liquid concentrate in 20L , 200L and 1,000L.

If you use or are considering using a liquid seaweed or kelp, try seamungus liquid with added fish and humic acid.

Filtered to 120um, Seamungus liquid is suitable for soil and foliar sprays and fertigation, providing options for all crops and all conditions.

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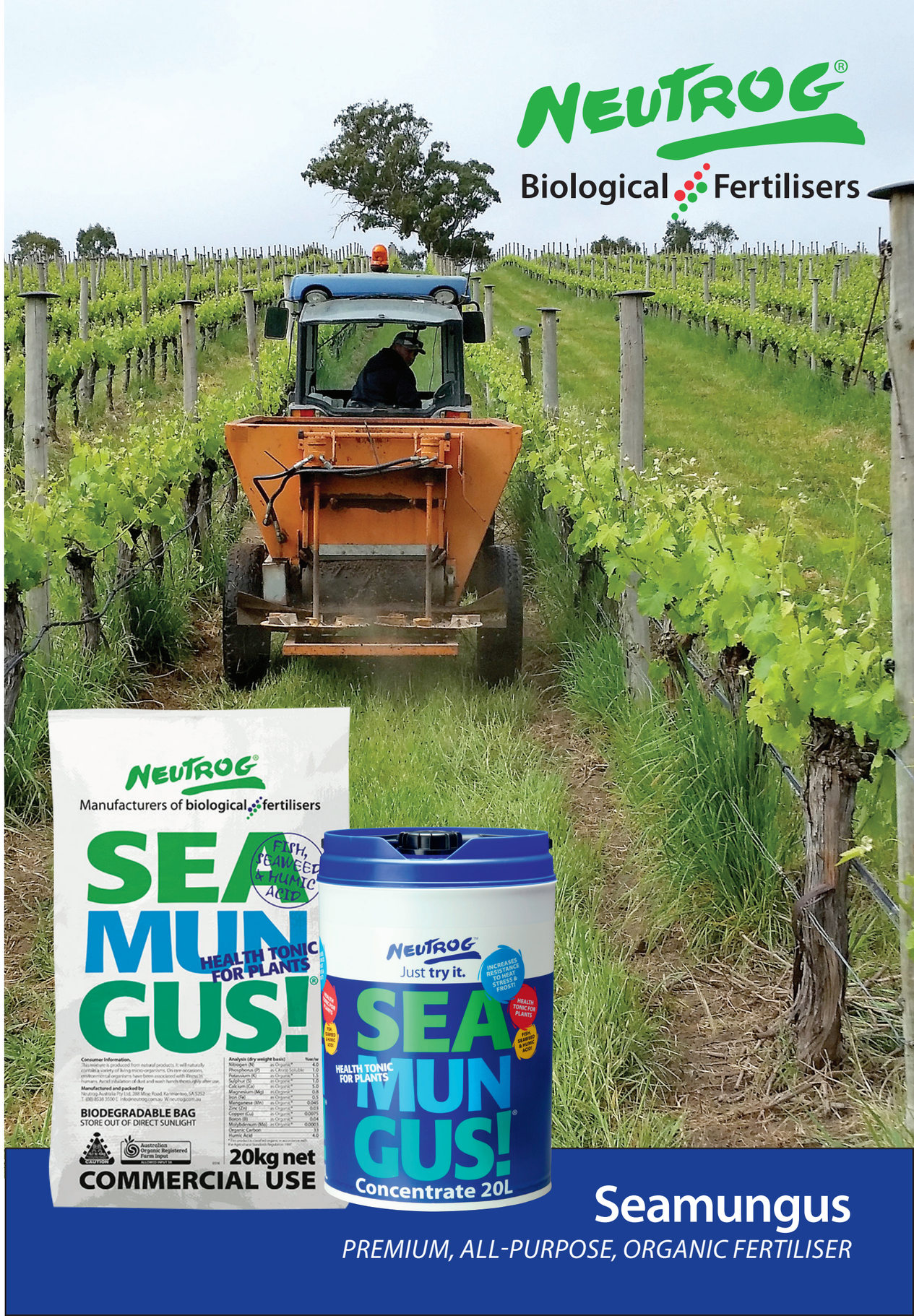


Seamungus

PREMIUM, ALL-PURPOSE, ORGANIC FERTILISER

Seamungus will retain up to 70% of its own weight in moisture – significantly increasing the soil's ability to hold onto water and nutrients.

Your crops will just love Seamungus . . . jam packed full of goodness, Seamungus is a soil and plant conditioner, manufactured by composting seaweed, fish, humic acid and manure.

Seamungus undergoes a unique composting process, specifically developed to stabilise the nutrients, maximise nutrient availability and to ensure the product is free of any parasites, pathogens and weed seeds. Most importantly, the resultant product retains the microbiology necessary for a "living" product.

Whilst Seamungus contains a wide range and good levels of plant nutrients, it is perhaps the additional unique properties contained within seaweed that provide the catalyst for providing higher yields of sustained quality.

Manufactured from fish, seaweed, humic acid and manure.

Seaweed contains a number of naturally occurring growth stimulants – fantastic for promoting plant and root, as well as growth and development. Seaweed is also recognised for its ability to retain moisture and increase the moisture level of the plant's cell sap – this increases the plant's ability to resist frost and heat stress.

"A recent test showed that Seamungus contained 17.1% humic acid"

Seamungus will help increase resistance to pests and disease, stimulate healthy growth (both above and below ground) and most importantly, generally aids in improving the well being of your soils and crops.

Australian Organic Registered Farm Input
ALLOWED INPUT 58

Organic.
Seamungus is an Australian Certified Organic (ACO) product that is also compliant with the requirements of the USDA National Organic Program (NOP) for use in certified organic production systems.

Whether growing organically or not, the rigorous ACO registration process Seamungus is subject to, gives confidence that each tonne of Seamungus maintains a consistently high standard.

Neutrog is granted certification from ACO, after its methods and processes for manufacturing are audited to ensure that they comply with the standards and guidelines set down by the certifying body. Registration ensures compliance with national production standards, including low heavy metals and other residues, and allows for trace back of all raw materials to their origins.

Applications
Seamungus can be used as a stand-alone application for new or established crops, or alternatively as a supplement to an existing program. It is suited for all turf, ornamental, vegetable and fruit crops.

Application Rates
As a pre-plant application or on established crops: 800-1200kgs per hectare.

Analysis (dry weight basis)		%w/w
Nitrogen (N)	as Organic	4.0
Phosphorus (P)	as Citrate Soluble	1.0
Potassium (K)	as Organic	1.5
Sulphur (S)	as Organic	1.0
Calcium (Ca)	as Organic	5.0
Magnesium (Mg)	as Organic	0.8
Iron (Fe)	as Organic	0.5
Manganese (Mn)	as Organic	0.045
Zinc (Zn)	as Organic	0.03
Copper (Cu)	as Organic	0.0075
Boron (B)	as Organic	0.04
Molybdenum (Mo)	as Organic	0.0003
Water holding capacity		60 - 70%
Humic Acid		4 - 6%
Organic matter		60 - 65%

It is always best practice to confirm your crops nutritional needs through soil/leaf/tissue analysis and agronomic advice.

"There was also a noticeable improvement in the consistency and appearance of tubers."

Trials:

Potatoes - Swan Reach and Mallee (SA).

The first Commercial Demonstration trial was run on Harmony, Coliban and Ruby Lou varieties at sites near Swan Reach and in the Mallee of South Australia. In all cases, Seamungus increased yield – 10% for Coliban, 19% for Harmony, and 54% for Ruby Lou.

Apart from the increase in yields and percentage of premiums there was also a noticeable improvement in the consistency and appearance of the tubers.

These results encouraged further trials.

Potatoes - Virginia, South Australia.

These trials were run on the Coliban variety, based upon a pre-plant application of Seamungus at 1T/ha in addition to the normal nutritional program. The soil was very saline – 146% higher than the maximum acceptable level for this crop.

The Seamungus treated plots yielded 35.4t per hectare of potatoes against the untreated plots yield of 22.7t per hectare – a yield increase of 55.9%.

Apart from such a significant yield increase, the independent agronomist tasked with the trial reported that the skin quality of tubers was vastly different – the treated tubers were smooth skinned, whereas a high percentage of the untreated tubers had rough and cracked skin. Also, the tuber size was more even in the treated area.

Plants in the Seamungus treated area showed they could better grow through the early period when salinity was high and plants were young. Tissue analysis showed the plants from the Seamungus treated area had significantly less Sodium in their tissues.

The agronomist concluded, "Even with the unfavourable growing conditions, the trial has shown the remarkable benefits of Seamungus as an additional application on potatoes".

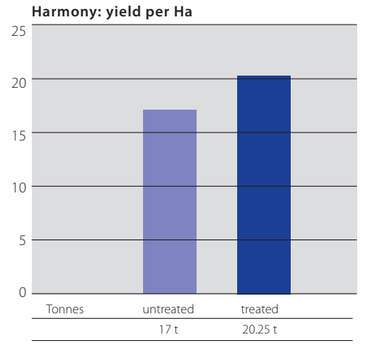
In summary the favourable outcomes included:

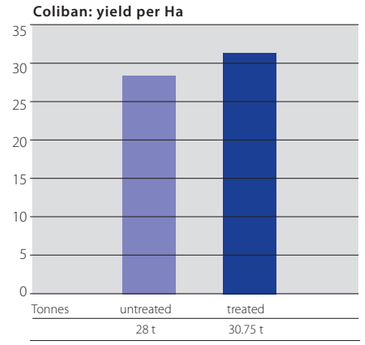
- 55.9% increased yield in a saline soil
- More even tuber size
- Better skin quality

Spinach – Adelaide Plains, SA

Spinach was grown with and without a 1T/Ha application of Seamungus. The agronomist concluded; "Even though the conditions were not favourable to growing any crop during the spring and early summer period, the trial certainly showed benefits in the application of Seamungus in spinach, including a more robust root system, better colour and more marketable yield".

POTATOES: MALLEE





The above trials were frost affected, and as such no pack outs were recorded.Seamungus was applied at 1t per Ha to each of the treated areas.

POTATOES: SWAN REACH