



# Wine Grape Production

Seasol is a highly refined liquid seaweed plant conditioner that provides a synergistic range of natural compounds, trace elements, alginates and carbohydrates derived from a blend of the finest brown kelps from around the world.

*Durvillaea potatorum* from North West Tasmania and *Ascophyllum nodosum* from the North Atlantic.

It is designed to provide additional benefits to complement an existing plant fertiliser program.

## SEASOL - Benefits in Brief:

- Seasol enhances fruit set and marketable yield.
- Seasol improves tolerance to heat, drought and frost conditions.
- Seasol assists a plants natural resistance to insect and fungal attack.
- Seasol optimises balanced plant nutrition with a broad range of trace elements and minerals.
- Seasol contains virtually no nitrogen or phosphorous, so it will not interfere with other nutritional inputs.

## Where does Seasol fit into Grape production?

- Seasol can be used every 2-4 weeks during the growing season as a general plant tonic to enhance plant health, flowering and fruit production.
- Seasol can be applied as needed to provide increased resistance against frost and heat damage.
- Seasol is a valuable supplement to apply before, or with, any foliar applied nutrients to enhance their uptake and utilisation.



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*Seasol – Discover the Benefits!!! “ Proven by Science ... Confirmed in the Paddock “*



Seasol International is dedicated to the development of high quality, organically based and environmentally friendly products that offer a viable alternative to traditional chemical/fertiliser practices.

Seasol continually strives to be at the forefront of innovation in this field, constantly searching for better, safer, more economical and sustainable ways to achieve optimum plant health for sustainable farming.

## PowerFeed

**PowerFeed** is an organic-based liquid fertiliser (NPK: 12:1.4:7) and soil conditioner. It is made from a high quality fish emulsion, fortified with both essential nutrients and Humic compounds for effective soil improvement and plant growth support.

**PowerFeed** is a dual action product (ie. either soil or foliar applied) combines general purpose NPK, trace elements and bio-stimulant activities in both the plant and the soil that are unavailable elsewhere.

Extra benefits from **PowerFeed** include improved soil structure and friability in clay soils and increased biological activity in the soil.

## Product benefits in detail:

The use of Seasol results in significant benefits for both the vine and the crop. Application at critical development stages results in:

- **Improved plant establishment.** Seasol stimulates root growth needed for rapid establishment of new vineyards.
- **Drought tolerance.** Seasol significantly increases drought tolerance. It does this by helping vines protect against water loss.
- **Frost tolerance.** The same mechanism that protects against drought stress, also provides significant frost protection by reducing the temperature at which plant cells freeze.
- **Improved fruit set and quality.** The natural substances and trace elements in Seasol improve the evenness of crop development and general plant performance.
- **Disease resistance.** It has been consistently reported that Seasol treated plants demonstrate reduced incidence and severity of disease.
- **Increased microbial activity.** Seasol is a food source for beneficial soil microbes increasing their number and diversity.

### WINE GRAPE APPLICATION RATES AND TIMING

STAGE	RATES	NOTES
Bud swell	Seasol @ 5 L/Ha plus PowerFeed @ 5 L/Ha	via fertigation or irrigation
2 to 5 leaves, shoots up to 10cm	Seasol @ 5 L/Ha	Either foliar spray or via fertigation
4mm berries (peppercorn size)	Seasol @ 5 L/Ha plus PowerFeed @ 5 L/Ha	via fertigation or irrigation
Prior to veraison – berries beginning to soften	Seasol @ 5 L/Ha	Either foliar spray or via fertigation
Post-harvest, prior to leaf fall	Seasol @ 5 L/Ha plus PowerFeed @ 5 L/Ha	via fertigation or irrigation

### General information - Chemical compatibility

Please refer to our website to check the compatibility of chemicals before mixing. Seasol and Earthcare products should be used within 24 hours of being diluted.

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