Pasture 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 regrowth and palatability for better pasture utilisation.
- 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 Grazing?**

- Seasol can be used every 2-4 weeks during the growing season as a general plant tonic to enhance plant health and pasture re-growth.
- 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.
Product benefits in detail:

The use of Seasol results in significant benefits for both pasture and livestock. Application at critical development stages results in:

- **Improved plant establishment.** Seasol stimulates root growth needed for rapid establishment of new grass.
- **Drought tolerance.** Seasol significantly increases drought tolerance. It does this by helping plants 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 production.** 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.

### PASTURE APPLICATION RATES AND TIMING

<table>
<thead>
<tr>
<th>STAGE</th>
<th>RATES</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediately after sowing new grass</td>
<td>Seasol @ 5 L/Ha</td>
<td>Soil application via boom spray or irrigation</td>
</tr>
<tr>
<td>Immediately after grazing</td>
<td>Seasol @ 5 L/Ha</td>
<td>Either foliar spray or via fertigation</td>
</tr>
<tr>
<td>After applying fertiliser</td>
<td>Seasol @ 5 L/Ha</td>
<td>via boom spray or irrigation</td>
</tr>
<tr>
<td>After smudging or harrowing</td>
<td>Seasol @ 5 L/Ha and PowerFeed @ 5 L/ha</td>
<td>via boom spray or irrigation</td>
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</tbody>
</table>

### 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.

**Seasol International Pty Ltd**  
1027 Mountain Highway (PO Box 160)  
Bayswater, Victoria, Australia 3153  
Tel: (61 3) 9729 6511  
Fax: (61 3) 9720 4792  
Email: export@seasol.com.au  
www.seasol.com.au

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**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.