



## **Solufeed Genie 500**

Plant Growth Stimulant

***Contains natural  
seaweed extracts***

### **Uses**

A growth promoter for agricultural and horticultural crops to maximise yields, quality and profitability. Also suitable for application to all types of turf.

Recommended for foliar application.

### **Benefits**

*The most concentrated liquid formulation for easy storage, handling and use. Solufeed Genie 500 is a carefully formulated solution containing extracts from the seaweed *Ascophyllum nodosum*, generally regarded as the best source of plant growth stimulant.*

When applied correctly to an actively growing crop, *Solufeed Genie 500* increases the natural growth regulator such as cytokinin levels and activity thereby stimulating increased metabolic activity. Consequently, important processes such as nitrogen assimilation and carbohydrate formation are improved. Plant growth, yields and quality are thereby optimised.

*Solufeed Genie 500* is suitable for use in organic growing as an exceptional use product as defined by EEC Regulation 2092/91, Annex 2A (Seaweed and seaweed products). In the UK *Solufeed Genie 500* is approved by the Soil Association.



### **Chemical/physical data**

**Composition:** A concentrated liquid suspension containing 500 grams per litre (50% w/v) *Ascophyllum nodosum* seaweed solids including natural growth stimulants, cytokinins, gibberellins, betaines and auxins.

**Appearance:** Dark brown liquid

**Specific gravity:** 1.28  
**pH:** 7.8 – 8.8

## Directions for use

### Foliar Application

*Solufeed Genie 500* should be mixed with a convenient volume of water to suit the spraying machine being used and the target crop leaf area. The following points should be observed.

1. The sprayer should be fitted with nozzles that produce a fine mist.
2. Only sufficient spray solution should be applied to coat the leaves and stems with a film of moisture with little or no "run off".
3. Spraying should be carried out on a calm day BUT NOT DURING STRONG SUNSHINE OR HIGH TEMPERATURES. The best time is late afternoon or evening.
4. If rain is imminent, spraying should be postponed. If rain falls within 4 hours of spraying, the crop should be re-sprayed 3 or 4 days later.

### Application rates and timing

Crop	Rates (l/ha)	Timing
Winter Cereals	0.4	At or after GS 21 (Autumn).
	0.75	After GS 30 (following Spring).
Spring Cereals	0.75	Apply as soon as there is sufficient leaf area to absorb the spray.
Oilseed rape	0.75	Pre-Christmas after 5 leaf stage.
	1.5	Following Spring after green bud stage.
Sugar Beet (and other root crops)	1.5	When there is sufficient leaf area to absorb the spray.
Potatoes		
1 <sup>st</sup> earlies and seed	1.5	Between stolon swelling and pea-sized tubers.
2 <sup>nd</sup> earlies and m/crop	1.5	When tubers are 1.5 - 2.0 cm diameter.
Bakers/low tuber count	1.5	Stolon swelling to pea sized tubers.
	1.5	When tubers are 1.5 – 2.0 cm diameter.

Peas	1.5	Before flowering.
Leafy <i>brassicae</i>	n/a	Root dip with 2.5 % solution at transplanting time.
	1.5	After first top dressing.
Grassland	0.4	In Autumn before dormancy.
		Start of re-growth in the following Spring.
Turf and sports fields	0.75 – 1.5	Use from April until September.
Other crops	0.75 – 1.5	When there is sufficient foliage to absorb the spray and/or at key growth stages.

### Water Volume

The amount of *Solufeed Genie 500* to be applied should be mixed with a volume of water appropriate to the crop leaf area of the type of spraying machine being used. Typically,

Arable crops: 200 - 600 litres per hectare.

### Small Scale Use

For example using a knapsack sprayer. Prepare a solution using 15ml Genie 500 to 10l water and apply so as to coat the leaves and stems with a thin film of moisture with little or no run-off.

## General information

### Mixing With Water

Half fill the spray tank with water, commence agitation and add the appropriate amount of *Solufeed Genie 500*. Add the remaining water and continue agitation. Use immediately.

### Compatibility

*Solufeed Genie 500* is compatible with many other crop care chemicals. Always follow recommendations closely.

### Technical service

For further information, assistance and access to The Solufeed Advisory Service, please contact Solufeed at the address below.

## Precautions

No health hazard is involved when *Solufeed Genie 500* is used as directed.

No special precautions are necessary for transport by air, sea, rail or road.

If spilled, *Solufeed Genie 500* will stain hard surfaces.

## Storage

Store in a cool dry place above 5°C and away from direct sunlight. Protect from frost.

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below.

**Always read the product label completely before using this product.**

## Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

Please note that products may differ or be unavailable in certain territories.

Image of *Ascophyllum nodosum* courtesy of Wikipedia Commons.

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