



SYMBIO LIQUID SEAWEED 50%

Benefits

- ✓ Promotes stress-resistant, healthy plants
- ✓ Promotes the growth of fungi in your soil to help encourage fine grass growth
- ✓ Increases soil fertility
- ✓ Reduces the need for inorganic fertilisers

SYMBIO LIQUID SEAWEED is a super concentrated extract of *Ascophyllum nodosum* with approx. 50% active matter harvested from the Atlantic Ocean from renewable resources

It contains a natural balance of macronutrients and chelated micronutrients (>60 elements), carbohydrates, amino acids, antioxidants and other beneficial organic compounds.

SYMBIO LIQUID SEAWEED can be mixed with microbial additives, compost teas and biostimulants to increase growth rates and fungal dominance in the rootzone.

LIQUID SEAWEEDS may also be mixed with liquid fertilisers, wetting agents and trace elements.

Always conduct a bucket test before mixing with other liquids in a spray tank. SYMBIO LIQUID SEAWEED 50% is a natural product, the content and properties may vary slightly between batches and seasons.

Soil Conditioner and Biostimulant Apply by itself or tank mixed with other liquids at 5 -20 litres in 400-800 litres of water per hectare

New Constructions

Pre seeding mix Apply just before seeding or turfing at 20 litres per hectare. If the rootzone is low in organic matter tank mix with Symbio Humic Booster and Symbio BioBooster 8.7.7.

Grow In When the grass has germinated repeat application at 10 litres per hectare every 3-4 weeks until established.

For best results use with Symbio Mycorrhizal SeedCoat and Compost Tea

Precaution

Keep out of reach of children. Avoid breathing spray Use personal protective equipment as required If skin irritation occurs: Get medical advice/attention

PACK SIZE: 10L

| TYPICAL ANALYSIS (w/w unless otherwise stated) | | |
|---|------------------|-------|
| Nitrogen | N | 0.3% |
| Phosphorous | P | 0.01% |
| Potassium | K | 5.0% |
| Potassium | K ₂ O | 6.0% |
| TRACE ELEMENT ANALYSIS PPM | | |

Timing and Application

Use as a biostimulant year round. Apply monthly or tank mixed with liquid organic fertilisers as required.

Use the lower dose as a foliar spray, higher application as a soil drench

Use as a growth stimulant and plant hardener throughout the cool season from autumn to spring. Apply monthly except in times of frost.

| | |
|-------------------|-------|
| Chromium | <1.0 |
| Nickel | <1.0 |
| Cadmium | <0.5 |
| Mercury | <0.2 |
| Lead | <5.0 |
| Inorganic Arsenic | <2.2 |
| Organic Arsenic | <17.3 |
| Tin | <0.6 |
| Zinc | <25.9 |
| Copper | <1.0 |



SYMBIO LIQUID SEAWEED 50%



Symbio 50% Seaweed Component comparison

Comparison of Chemical properties and key bioactives with other seaweed extracts

Method of extraction: Alkaline hydrolysis

| | Chemical Properties | | | | Key BioActive Content | | |
|------------------------------------|---------------------|------------------|-------------|----------------------|-----------------------|---------------------|-----------------|
| | Specific Gravity | Dry Matter (g/L) | % Ash (g/L) | Organic Matter (g/L) | Fucoidan (g/L) | Phlorotannins (g/L) | Laminarin (g/L) |
| Symbio 50% Seaweed | 1.23 | 500 | 224 | 276 | 73 | 35 | 8 |
| Competitor # 1 Cold pressed | 1.16 | 287 | 113 | 174 | 13 | 6 | 3 |
| Competitor # 2 Ecklonia | 1.02 | 23 | 14 | 9 | 1 | 0.2 | 1 |
| Competitor # 3 Ecklonia | 1.01 | 25 | 11 | 14 | ND | 0.18 | 0.65 |

General Features

Appearance:

Black/brown liquid

Odour:

Marine

Specific Gravity:

1.22 to 1.25

Solubility:

399% soluble

Ascophyllum nodosum seaweed extract :

495-505 g/L

Chemical Analysis

pH:

8.5 – 10.5

Organic Matter:

20.5 – 26.0% w/w

Inorganic Matter:

15.0 – 20.5% w/w

Guaranteed analysis (Min –Max)