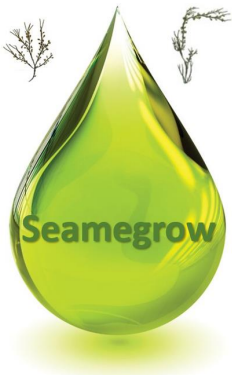


BYACARE®



**Organic certified pure
Ascophyllum nodosum
seaweed juice biostimulant**





What makes us different?

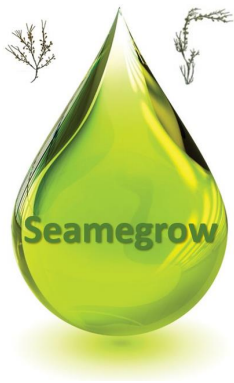
Just 5 days after application on Wheat seeds



Advanced innovation plus the highest quality of ingredients and processing

High levels of vitamins, proteins, phytohormones, betaines and scientifically fortified biostimulants





What makes us different?



Amino acids		mg/ml	Vitamins		mg/ml
Glutamic acid	41		Vitamin A	(IU 1,016)	
Aspartic acid	27		Vitamin B1 (Thiamine)	6.0	
Arginine	16		Vitamin B2 (Riboflavin)	4.0	
Glycine	15		Vitamin B3 (Niacin)	2.5	
Alanine	10		Vitamin B5 (Pantothenic acid)	1.5	
Serine	18		Vitamin B6	2.0	
Proline	12		Vitamin B9 (Folate)	0.5	
Leucine	22		Vitamin B12	2.0	
Tyrosine	28		Vitamin C	17.5	
Valine	12		Vitamin D	6.5	
Methionine	24		Vitamin E	3.0	
Histidine	12		Vitamin K	4.5	
Iso-Leucine	16				
Cystine	8		Polysaccharides & Betaines	2.5 % w/v	
Phenylalanine	9		Phytohormones	1 % w/v	
Tryptophan	10		Crop nutrients	14.5 % w/v	



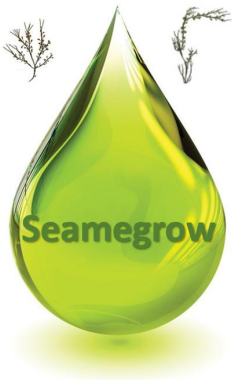
What makes us different?



Benefits from Vitamin B 18.5 mg/ml (typical analysis)

- Early plant growth and establishment
- Essential for synthesis of thiamine, cobalt and **methionine**
 - **Methionine** - amino acid
 - Supports biosynthesis of proteins, polyamines and phytohormones
 - Stimulates plant pathogen interactions
 - Regulates the production of **ethylene**
 - **Ethylene** - phytohormone
 - Plant morphology from germination through to ripening
 - Induces homeotic alterations in flower organs
 - Sulphate and cysteine synthesis
 - Abscission of necrotic leaves and ripened fruits





What makes us different?



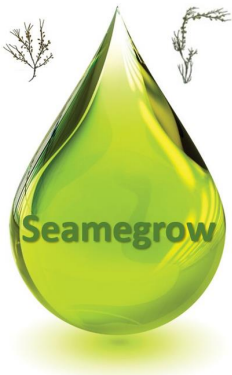
Benefits from Vitamin C 17.5 mg/ml (typical analysis)

- Powerful antioxidant, and enzymatic support through climate change
- Essential for all enzymatic processes from seedling to harvest
- Metabolization of iron within photosynthesis
- Protection from ultra violet rays
- Crop maturity and ripening

Benefits from Vitamin D 6.5 mg/ml (typical analysis)

- Supports root growth in stressful conditions
- Assimilation of calcium into plant stems and branches
- Actively promotes nitrate reductase and regulates proteins
- Aids plant healing after cutting, pruning or other physical damage





What makes us different?



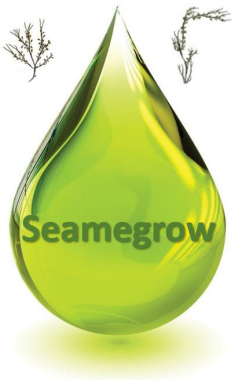
The majority of seaweed extract manufacturers buy harvested and storm cast seaweed from independent contractors. This is then dried at temperatures as high as 800 degrees Celsius to produce dry flakes.

These flakes are taken to an extraction site, where water is reintroduced using an infusion method similar to making a cup of tea!

In many cases potassium hydroxide is added to increase cell wall destruction to aid infusion, and further heat is required to evaporate water to produce the final product.

Drying and repeated exposure of seaweed to excessive heat destroys the essential vitamins and denatures many of the active proteins!





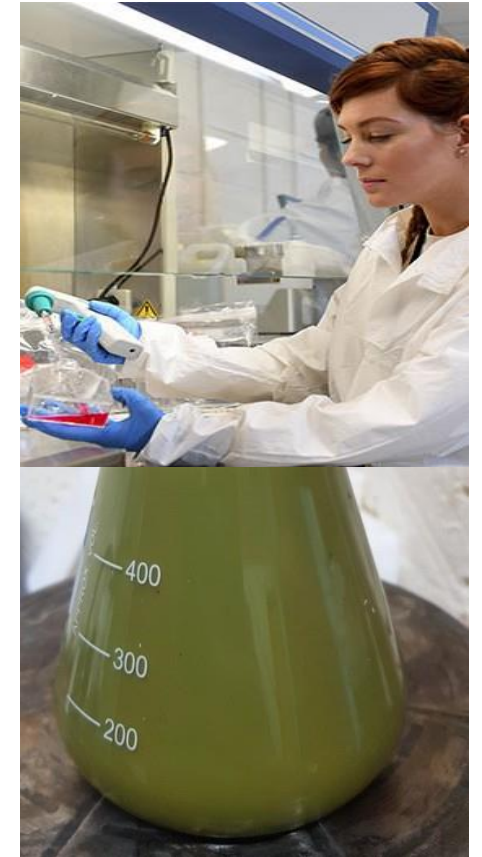
What makes us different?

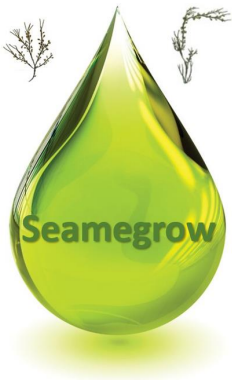


Our production process involves a newly developed way of bursting the cells of fresh *Ascophyllum nodosum* seaweed without using any chemicals or heat.

Our cold process retains more of the bioactive compounds naturally present, so when the fresh seaweed cell walls are disrupted they release their bioactive compounds into an aqueous liquid extract containing all the vitamins, proteins, betaines, phytohormones, polysaccharides and mineral compounds that are beneficial for crop health.

Pure *Ascophyllum nodosum* seaweed juice certified for use in organic farming





What makes us different?

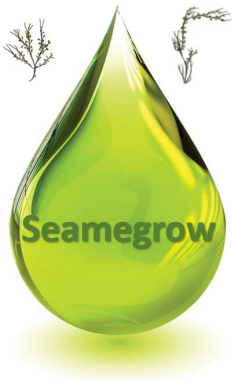


pH 4.2 - 4.5

Pure, cold extraction *Ascophyllum nodosum* juice has a natural pH of 4.2 – 4.5. This improves its compatibility with foliar applied crop nutrition and crop protection products. A low pH also improves plant intake and assimilation of these products!

- **Due to the harsh chemical extraction processes of many of our competitors liquid seaweed extracts, their products are neutral - alkaline (7.0 pH – 11.0 pH)**
- They are less compatible with micronutrients
- High pH can form salts that block sprayer filters





What makes us different?

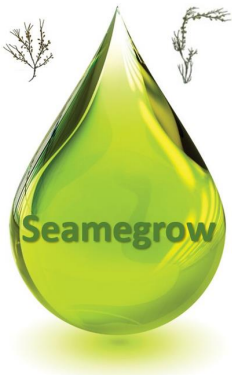


Its not just about **“How much”** you apply. It’s also about **“When”** you apply!

Unlike a crop nutrient, the bio-stimulants within **Seamegrow** are genetic triggers

When sufficient quantities are received by plants at the right time, these applications stimulate reactions to enable mother nature to complete subsequent development stages



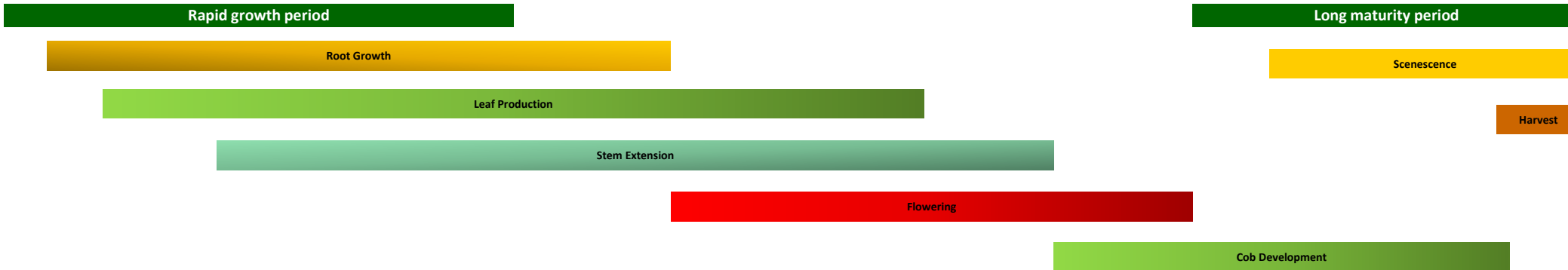
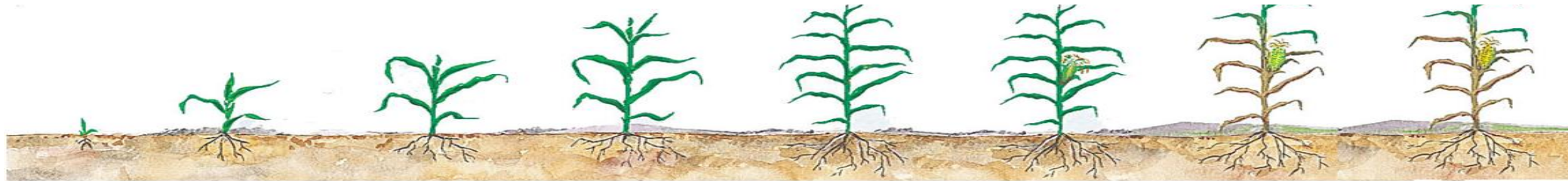


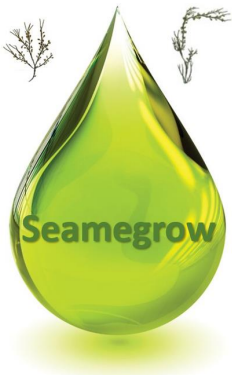
What makes us different?



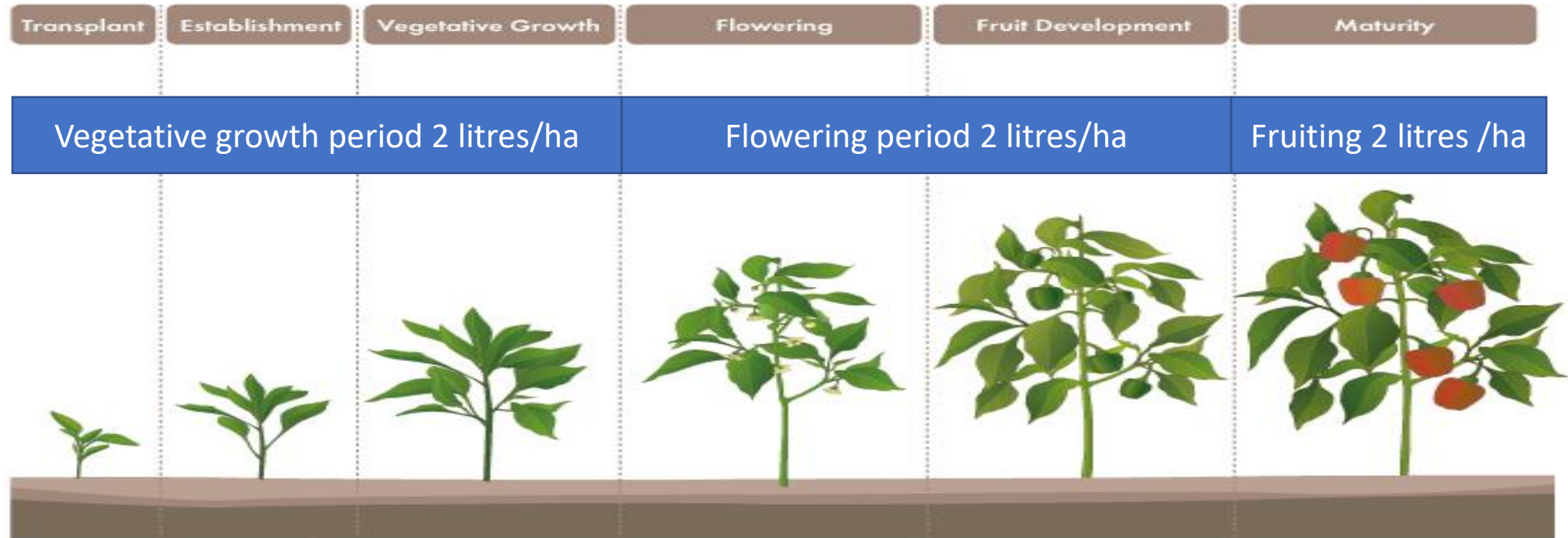
Bio-stimulation of genetic triggers

There are many trigger points in the growth cycle of any crop



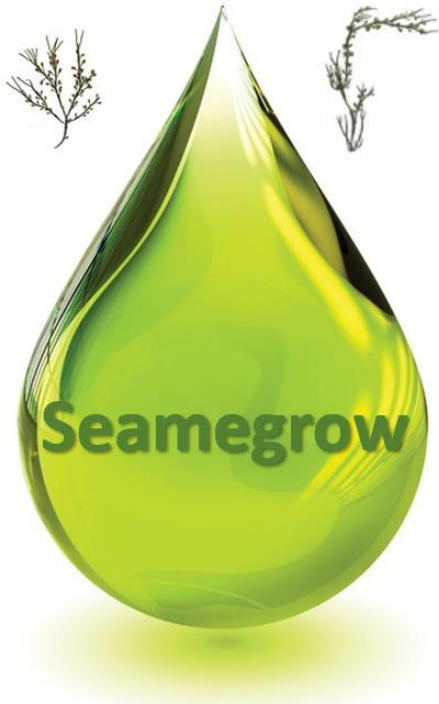


What makes us different?



Within each of the above spray periods, divide the recommended 2 litres by the number of fungicide, pesticide or plant nutrient sprays. For example: *During vegetative growth between Establishment and Flowering - 2 x pesticide, 1 x fungicide + 2x plant nutrient – each mixed with 400 ml per hectare.*





Certified Product
Scheme

DYACARE®

Pure, cold extraction *Ascophyllum nodosum* pure seaweed juice certified for use in organic farming

Pure seaweed juice Biostimulant



Email: info@dyacare.co.uk
Website: www.dyacare.com