

## ROOT & SHOOT BUILDER

### CONCENTRATED CROP BIOSTIMULANT

**Root & Shoot Builder** is a super-value concentrated liquid biostimulant specifically developed for broad-field crops. Its naturally balanced plant nutrients, vitamins and active compounds work at a cellular level to stimulate root growth, improve plant vigour and maximise yield through increased natural resistance to stress. The liquid seaweed extract in **Root & Shoot Builder** is derived and refined from pure sources of North Atlantic *Ascophyllum Nodosum* using a uniquely gentle extraction process that guarantees maximum performance and consistency.

For the greatest benefit, **Root & Shoot Builder** should be used routinely as a preventative treatment to maintain superior crop health and alleviate the symptoms of physiological and nutritional stress. However with excellent curative properties, applications of **Root & Shoot Builder** will improve speed of recovery from injury or stressful growing conditions such as drought or water logging.

Used in combination with Ilex's range of foliar nutrients **Root & Shoot Builder** will also aid nutrient use efficiency and boost plant health benefits.

#### Key benefits

- Enhances root growth and early plant development
- Increases photosynthesis and nutrient usage
- Promotes overall plant health
- Maximises natural plant resistance to environmental stress
- Improves quality and yield
- Highest standards of product quality and consistency



#### How does it work?

The growing body of research into *Ascophyllum nodosum* and its efficacy as a biostimulant has given us valuable insight into the key modes of action contributing to improvements in quality and yield in field crops.

#### For enhanced growth

**Root & Shoot Builder** contains a matrix of bioactive compounds including micronutrients, amino acids and natural chelating agents Mannitol, Fucoidins and Alginic Acids to increase nutrient availability and usage. It also induces the plant's own production of natural growth substances auxins and cytokinins to stimulate cell division and cell elongation initiating the development of larger root systems and promoting growth and yield.



### For increased vigour

**Root & Shoot Builder** stimulates protein synthesis for increased cell wall integrity increasing the plants natural defences and promoting a stronger, more vigorous crop.

### For natural stress resistance

**Root & Shoot Builder** increases the antioxidants produced in the plant to prevent the breakdown of cell walls at times of stress, increasing resistance to temperature and water stress.

### Application Rates & Timings:

POTATOES :	Apply @ 2.0-3.0 l/ha at start of tuber bulking. Repeat during tuber bulking and early flowering.
CEREALS :	Apply @ 1.0-2.0 l/ha at Tillering. Apply @ 1.0-2.0 l/ha at Stem Elongation. Apply @ 1.0-2.0 l/ha at Flag Leaf.
OILSEED RAPE :	Apply @ 1.0-2.0 l/ha at 3 weeks Post Emergence. Apply @ 1.0-2.0 l/ha at Stem Extension. Apply @ 1.0-2.0 l/ha at Pod Set.
PEAS/BEANS :	Apply @ 2.0-3.0 l/ha at 2-3 weeks Post Emergence. Repeat at 14-21 day intervals.
VEGETABLE CROPS :	Apply @ 2.0-3.0 l/ha at 2-3 weeks Post Emergence. Repeat at 14-21 day intervals.

**Recommended for application as a foliar spray** at water rates of 200-600 l/ha depending on the crop and stage of growth.

**Root & Shoot Builder** is formulated as an easy-to-use liquid free from solids and with a pH value especially suited to efficient crop uptake and maximum tank-mix compatibility.



**Pack sizes: 4 x 5L**

*This product is physically compatible with a wide range of tank-mix partners. Check compatibility prior to adding to the spray tank. Consult your local advisor or Ilex EnviroSciences for specific recommendations. Do not apply in strong sunlight. Efficacy may be affected by crop health, growth stage and weather conditions. Ilex EnviroSciences accepts no liability for damage to treated crops.*