



Licence I8897

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## CONCENTRATED CROP BIOSTIMULANT FOR HEALTH AND VIGOUR

**Stimplex® is a concentrated liquid biostimulant containing key natural compounds and nutrients to maximise quality and yield in a wide range of conventional and organic grown arable, horticultural and ornamental crops.**

The naturally balanced plant nutrients, vitamins and active compounds found in Stimplex® work at a cellular level to stimulate root and shoot growth, improve plant vigour and maximise yield through increased natural resistance to stress. The liquid seaweed extract in **Stimplex®** is derived and refined from pure sources of North Atlantic *Ascophyllum nodosum* using a uniquely benign extraction process that guarantees maximum performance and consistency.

For the greatest benefit, **Stimplex®** should be used routinely as a preventative treatment to maintain superior crop health and prevent the symptoms of physiological and nutritional stress having an adverse effect on plant health. **Stimplex®** is also used by growers to stimulate a plant's development to produce unique benefits related to each particular crop and its stage of maturity.

Used in combination with Ilex's range of foliar nutrients **Stimplex®** will also will 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
- Approved for use in organic growing systems



### 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 fruit, vegetable and ornamental crops.

### For enhanced growth

**Stimplex®** contains a matrix of bioactive compounds including micronutrients, amino acids and natural chelating agents such as Mannitol, Fucoidins and Alginic Acids to increase nutrient availability and usage. It also induces the plant's own production of natural growth substances such

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as 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**

**Stimplex**<sup>®</sup> stimulates protein synthesis for increased cell wall integrity increasing the plants natural defences and promoting a stronger, more vigorous crop.

#### **For natural stress resistance**

**Stimplex**<sup>®</sup> 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.

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**Stimplex**<sup>®</sup> contains a matrix of trace elements, carbohydrates and amino acids. It contains no added fertiliser and is approved for use in organic growing systems.

**Stimplex**<sup>®</sup> 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.



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#### **Application Rates & Timings:**

BRASSICAS :	Apply @ 2.5-3.5 l/ha at 2-4 true leaf stage. Repeat at 14-21 day intervals. Final application 4-7 days prior to harvest.
LETTUCE*/ LEAFY SALADS :	Apply @ 2.0-3.5 l/ha at 2-4 true leaf stage. Repeat at 10-14 day intervals. Final application 3-5 days prior to harvest.
POTATOES :	Apply @ 2.5-3.5 l/ha at early tuber bulking stages. Repeat at 14-21 day intervals.
ROOT CROPS :	Apply @ 2.5-3.5 l/ha at 2-3 weeks after emergence. Repeat at 14-21 days depending on growing season.
ALLIUMS :	Apply @ 2.0-3.5 l/ha at 2-3 weeks after emergence. Repeat at 14-21 day intervals.
ASPARAGUS :	Apply @ 2.0-3.0 l/ha to fern when sufficient foliage present. Repeat at 21- 28 day intervals as required.
STRAWBERRIES :	Apply @ 1.5-2.5 l/ha 10 to 14 days after emergence. Repeat at early flowering then at 2-3 weeks intervals.
PROTECTED EDIBLES :	Apply via drench or fertigation @ 2-4 ml/litre of water every 10 to 21 days.
PROTECTED ORNAMENTALS :	Apply via drench or fertigation @ 1-2 ml/litre of water every 7 to 10 days.
PROPAGATED PLANTS :	Apply as a foliar spray @ 4-6 ml /litre of water just prior to planting out.
CEREALS :	As Seed Treatment - Apply @ 2.0-3.0 litres per tonne of seed directly or after pre-dilution with water. As a Foliar Spray - Apply @ 1.0-2.0 l/ha at early tillering. Apply @ 1.0-2.0 l/ha at stem elongation. Apply @ 1.0-2.0 l/ha at flag leaf.

When using as a foliar spray **Stimplex**<sup>®</sup> is recommended for application at water rates of 200-600 l/ha depending on the crop type and stage of growth.

**Pack sizes: 10L**

*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.*

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