

# Stimplex®

## CONCENTRATED CROP BIO-STIMULANT

**Stimplex®** is derived and refined from pure sources of North Atlantic seaweed. It has been produced in Nova Scotia for over 30 years by Acadian Seaplants and is one of the most widely used seaweed extracts with thousands of fully replicated trials from around the world. Manufactured to the most stringent standards, with full analysis and detailed declaration of active components, **Stimplex®** raises the bar in quality and consistency in the processing of plant material.

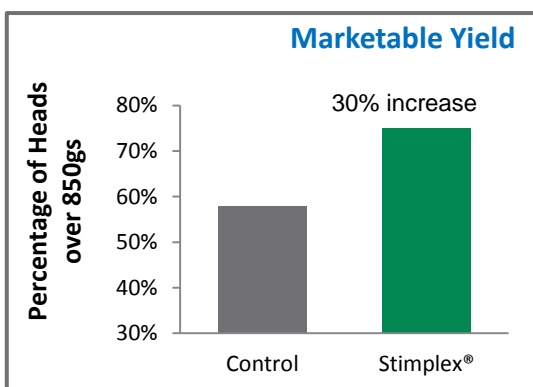
**Stimplex®** contains very high levels of polysaccharides - guaranteed at over 5% w/w - that are recognised as the key components in the stimulation of crop development and health. Mannitol, Fucoidins and Alginic Acids work as natural complexing agents to increase bioavailability of metals [trace elements]. We recommend the use of **Stimplex®** in combination with Ilex trace element formulations to provide enhanced crop uptake, especially under stressful growing conditions.

**Stimplex®** also contains a matrix of plant nutrients, trace elements and vitamins which positively influence growth and development of plants through hormonal-like and physiological actions. The application of **Stimplex®** will help to maximise within the crop, over 20 beneficial natural bioactive compounds including:

- Vitamins: A, B12, C, D, E, K, riboflavin, niacin, carotene and pantothenic
- Amino Acids: Alanine, Glycine, Leucine, Proline, Serine, Tyrosine and Valine
- Growth Promoters: Cytokinins, Auxins and Gibberellins

Analysis has also identified the presence of amino acid derivatives known as Betaines. These are widely recognised to be critical in improving water retention and resistance to drought stress.

For the greatest benefit, **Stimplex®** should be used routinely as a preventative treatment to maintain maximum crop health. However with excellent curative properties, applications of **Stimplex®** will improve speed of recovery from injury or stress.

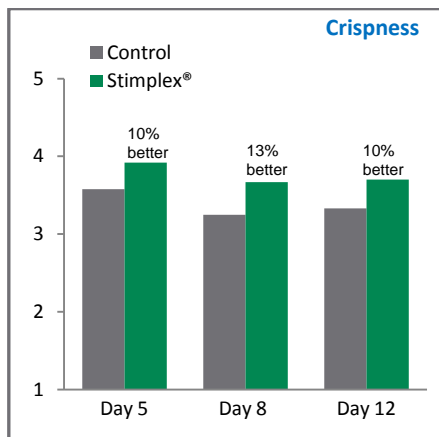


**Stimplex®** applied to Cabbage at 3 l/h after planting and 4 foliar applications at 2 week intervals showed:

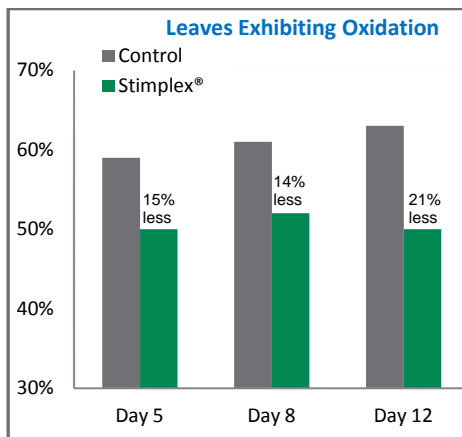
- improved marketable yields
- resistance to damping off
- no visible head rot

**Stimplex®** is suitable for use on all vegetable & salad crops

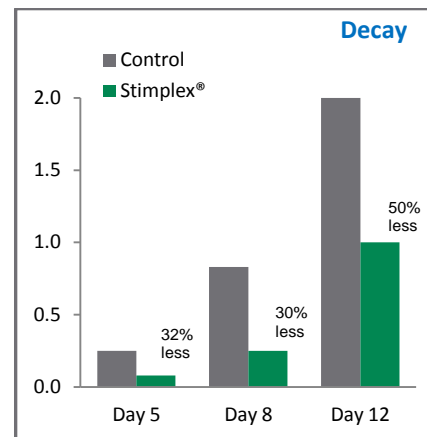




Using a scale of 1-5 in perceived product crispness **Stimplex®** gives a **10% improvement**



**25% less oxidation** in **Stimplex®** treated lettuce on day 12 than control



Level of **decay halved** in **Stimplex®** treated lettuce  
Decay increases with score

**Stimplex®** improves crispness, reduces oxidation and decay of chopped & bagged lettuce after 5, 8 & 12 days in storage when applied 5 days prior to harvest.

### Application Rates & Timings:

POTATOES :

2.5-3 l/ha @ Tuber Initiation (plants meeting within the row).  
2.5-3 l/ha @ Tuber Bulking (plants meeting across the row).  
2.5-3 l/ha @ Early Flowering

ROOT CROPS :

2.5-3 l/ha @ 2-3 weeks after emergence.  
Repeat @ 14-21 days depending on growing season.

LETTUCE\*/ LEAFY SALADS\* :

2.5 l/ha @ 2-4 true leaf stage.  
Repeat @ 10-14 day intervals. Final application 3-5 days prior to harvest

BRASSICAS\* :

2.5-3 l/ha @ 2-3 weeks after emergence.  
Repeat @ 14-21 day intervals.

PEAS & BEANS :

2.5-3 l/ha @ 2-3 weeks after emergence.  
Repeat @ 14-21 day intervals.

ALLIUMS\* :

2.5-3 l/ha @ 2-3 weeks after emergence.  
Repeat @ 14-21 day intervals.

\*Propagated plants will benefit from an application of **Stimplex®** via irrigation techniques at a rate of 4-6 mls per litre of water ideally just prior to planting out.

**Stimplex®** is best applied as a foliar spray at water rates of 200-600 l/ha depending on the crop type and stage of growth.

Regular applications of **Stimplex®** will alleviate the symptoms of drought and nutritional stress in all crops.

Stimplex contains no added fertiliser and is approved for use in organic growing systems.



Licence 18897



Product Approved for Restricted Use  
Derogation Required

reg. no. UKE0461

**Pack sizes: 1 x 5L and 4 x 5L boxed**

*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 effected by crop health, growth stage and weather conditions. Ilex EnviroSciences accepts no liability for damage to treated crops.*