

Technical Data Sheet



Uplift Seaweed Liquid Concentrate

What is it?

Yates Uplift Seaweed Liquid Concentrate is a complete plant health tonic that contains essential micronutrients and growth stimulants (plant hormones) as found in seaweed, to target improved root development, protect plants from environmental stress and help promote improved flowering and fruiting.

Specific Product Benefits:

- Sustainably-harvested Australian seaweed
 - Gentle, cold-composting process for maximum extraction
 - No heating or drying during manufacture process, preserving sensitive growth-promoting compounds
 - Natural plant growth stimulants such as auxins, cytokinins and gibberellins improves root, cell division and flower development
 - Also contains vitamins, betaines, complex sugars, natural minerals, trace elements and alginates
 - Acts as natural chelating agent for improved foliar uptake of nutrients
 - Excellent treatment to reduce transplant shock and ensure rapid establishment of plants.
 - Ideal stress relief treatment before or after periods of plant stress, e.g. Frost, heat waves, insect or disease damage
 - Improves general plant growth with resultant improved fruiting and flowering
 - Foliar, soil or fertigation application
 - Suitable for all plants & crops
 - Compatible with most agro-chemicals and nutrients
 - Product of Australia
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Pack Sizes Available 1 000L IBC

Organic certified 1 000L IBC pack size is certified for organic use by NASAA

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How it Works:

- **Improved foliar nutrient uptake:** seaweed assists with the foliar uptake of nutrients by the natural chelating effect of complex sugars and alginates, making it the ideal companion mix especially for foliar feeding applications.
 - **Improved root development:** natural plant growth regulating compounds promote root development and growth. Improves soil organic matter content and provides a full range of trace elements and minerals.
 - **Natural stress relief:** ideal treatment before or after periods of stress, as natural root stimulating effect allows plants to counter and recover faster, as a larger root system is better able to gather water and nutrients and also produce plant development growth regulators.
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Additional product data:

Specific gravity 1 approx
pH 4 - 4.5

Typical analysis (w/v)

	<u>%</u>		<u>mg/Ltr</u>
Nitrogen (N)	0.05	Iron (Fe)	8 - 14
Phosphorus (P)	0.015	Boron (B)	7 - 12
Potassium (K)	0.2	Molybdenum (Mo)	3 - 7
Calcium (Ca)	0.16	Zinc (Zn)	2 - 4
Sulfur (S)	0.14	Cobalt (Co)	0.3 - 0.6
Magnesium (Mg)	0.12	Copper (Cu)	0.1 - 0.3
Sodium (Na)	0.57		
Chloride (Cl)	0.48		

Plus naturally occurring Auxins and Cytokinins, amino acids, betaines, alginates and vitamins

Vitamins (typical amount as mg/kg)

Choline	100	Beta carotene	20
Ascorbic acid	10	Niacin	5
Thiamin	0.5	Riboflavin	0.5
Panthenic acid	1	Retinol	0.01

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Instructions for use:

- Always dilute with water before applying.
 - Agitate before decanting or mixing into spray tank.
 - Check physical compatibility (jar test) and also whether spray tank mixes are allowed, before making a spray tank mix with other agrochemicals.
 - Do not mix with herbicides.
 - Add Yates Uplift Seaweed Liquid Seaweed last, when making a spray tank blend.
 - Do not store diluted product, use within 24 hours.
 - Do not apply to foliage in the heat of day or if shade temperatures exceed 30°C.
 - Minimum dilution 1:50 & Maximum dilution 1:300
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Application Rates

Foliar application (General recommendation: Apply every 2 – 4 weeks in the growing season)

- Apply at higher rate just after fruit set or grazing/cutting.

Vegetables & turf 2 – 5 L/ha

Brassica's	Broccoli	Brussel sprouts
Cabbage and cauliflower	Carrots	Eggplant
Lettuce and leeks	Tomatoes	Herbs
Peas and beans	Potatoes	

Orchards 3 – 6 L/ha

Pome fruit (Apples and Pears etc)	Stone fruit (Apricot, Cherry, Peach)
Macadamias & Olives	

Grapes 3 – 5 L/ha

Wine grapes	Table grapes
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Cereal & broadacre 2 – 5 L/ha

Wheat, oats	Beans	Cotton
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Pasture 3 – 5 L/ha

Specific Foliar spray instructions:

ALWAYS dilute with water before application.

When making a spray tank mix, add the required water volume required for the spray system, then any other products into the mix and then add the required amount of Uplift Seaweed last, keeping in mind minimum and maximum dilution levels. Use blue coded nozzles or coarser with nozzle filters removed (if smaller than 150 micron).

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Application Rates

General recommendation: Apply every 2 – 4 weeks in the growing season

Soil drench application 10 – 20 L/ha

Transplant application Dip seedlings/roots in 1:100 solution before plant-out OR
Drench soil around new transplants with 1:100 – 1:200 solution.

Fertigation application Apply soil drench rate prior to final flush of lines at 1:100 dilution.

Specific Fertigation application instructions:

When applying the product through a fertigation system it is important to know the system volume, i.e. in irrigation pipes of the specific section to be fertigated. Then determine the required volume of Uplift Seaweed to ensure the recommended dilution rate. When the irrigation cycle is nearly complete, inject the Uplift Seaweed into the lines and then flush the lines with the line volume to ensure all the mix is flushed out. Then stop the irrigation to ensure that the product is not leached away. E.g. If a section volume is 1000L, 10L Uplift Seaweed needs to be added. After addition of the Uplift Seaweed, the lines need to be washed out with at least 1000L water before stopping the irrigation cycle.

Application Precautions

Avoid contact with eyes and skin. Wear appropriate protection and wash hands after use.

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Warehouse & Transport Information

	5Ltr	20Ltr	200Ltr
Units per pallet	144 (2 per shipper)	40	4
Layer per pallet	3	2	1
Units per layer	48 (24S1:3H)	20 (20U1:2H)	–
Pallet weight	<i>max 950 kg (max height 1230mm)</i>		
Pallet height	1074mm	1038mm	1072mm
Other	<i>Loscam pallet (1165mm L x 1165mm W x 150mm H); plastic stretch wrapped</i>		

For more information refer to www.ocp.com.au or Yates Sales Support 1300 132 153

Yates recommends that you contact an Agronomist prior to the application of this product and/or conduct trials of this product prior to full commercial application.