



FERTILISER

CARBology[®] Kelp

Reg. No. B5117 Act No. 36 of 1947

FERTILISER GROUP 2

A seaweed suspension containing Auxins for use on various crops.

TYPICAL ANALYSIS:

Nitrogen	(N)	1.1 g/kg	1.1 g/l
Phosphorus	(P)	96.4 g/kg	97.4 g/l
Potassium	(K)	1.3 g/kg	1.3 g/l
Sulphur	(S)	381.2 mg/kg	385 mg/l

Biological activity:

Auxins: 0.287 mg/l

From *Ecklonia maxima*

Product approved for the use in organic farming according to EEC889 by CERES GmbH



SG (@20 °C) = 1,01 ± 0,02



Registered, Manufactured and Distributed by:

Rolfes Agri (Pty) Ltd.

(Reg. No. 1998/013411/07)

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UN NO.: NOT REGULATED
SEE CONTAINER FOR BATCH DETAILS
COUNTRY OF ORIGIN: REPUBLIC OF SOUTH AFRICA
VERSION ROLFES AGR: 10/2020

SHAKE WELL Shake well before use • Store at room temperature
Keep out of direct sunlight • Keep container closed when not in use



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WARNINGS:

- Do not store product in direct sunlight.
- Store in a cool place.
- Consult the supplier in the event of any uncertainty.
- Keep away from children, uniformed people, animals and foodstuffs.
- Use only as directed.

DIRECTIONS FOR USE: USE ONLY AS DIRECTED

- **CARBOLGY® KELP** is readily taken up by the plant and is formulated for use as both a foliar feed and as a soil drench.
- It is advisable to do a miscibility test prior to mixing **CARBOLGY® KELP** with other chemicals.
- The rate of application is dependent on the plant growth stage, stress levels and reaction required. The lower rates should be used for maintenance while the higher rates will enable the crop to overcome severe stress periods.
- **CARBOLGY® KELP** should preferably be applied in the early morning or late afternoon.
- Consult with your Crop Solution Specialist; consultant or manufacturer should crop specific programs or any other information be required.
- **CARBOLGY® KELP** is not an extract, but a suspension of *Ecklonia maxima* which includes all the natural plant growth stimulants, and other natural occurring substances and stimulants in sea weed.
- **CARBOLGY® KELP** may be used:
 - i. in 7 – 14 day cycles,
 - ii. during periods of high plant stress,
 - iii. during germination, transplanting, bud formation, fruit set, rapid fruit development, and
 - iv. during periods when low temperatures are problematic.

RECOMMENDATIONS

Please ensure not to exceed the maximum rate per hectare. Do not exceed a concentration of 2 % (2 ℓ / 100 ℓ) if mixed with other chemicals in a spray tank.

FOLIAR FEEDING:

Apply a minimum concentration of 0.2 % (2 ℓ / 1 000 ℓ water), but do not exceed a dosage rate of 2 % (2 ℓ / 100 ℓ). When low volume sprayers are used, increase the concentration accordingly so that a minimum of 2 ℓ of **CARBOLGY® KELP** is used per hectare.

FERTIGATION:

Apply at a concentration of 0.1 % (1 ℓ in 1 000 ℓ water). Repeat every 7 – 14 days for at least 4 applications.

CROP	DOSAGE RATE	REMARKS
Cucurbits: (Cucumber, Pumpkin, Butternut, Melon, Watermelon)	1 ℓ / 100 ℓ water	Dip the roots of the seedling into the solution before transplant or alternatively, drench the transplants just prior to or after transplanting.
Cruciferae: (Broccoli, Cabbage, Cauliflower, Lettuce)	3 ℓ / ha	Apply 14 days after transplant and repeat application 14 – 21 days later.
Grapes: (Wine and Table Grapes)	3 ℓ / ha	Apply in 1000 ℓ water after bloom and repeat 2 – 3 times at 10 – 14 day intervals.
Green beans, Dry beans & Peas	2 ℓ / ha	Apply at the third trifoliate leaf stage. Repeat application twice at 14 day intervals.
Groundnuts	2 ℓ / ha	Apply 14 – 21 days after germination. Repeat application 21 – 28 days later.
Lucerne	2 ℓ / ha	Apply 14 – 21 days after cutting or grazing.
Lupins	2 ℓ / ha	Apply between 2 – 5 weeks after germination.

CROP	DOSAGE RATE	REMARKS
Maize	2 ℓ / ha	Apply between 3 – 5 leaf stages.
New establishment of fruit trees & Vineyards	500 mℓ / 100 ℓ water 200 mℓ / 100 ℓ	Apply 0,5 ℓ – 1 ℓ as a soil drench around plant directly after transplant. Apply 3 – 5 applications to foliage in combination with CARBOLOGY® AnB with 14 – 21 day intervals.
Nut trees: Macadamia & Pecan Nuts	3 ℓ / ha	Apply as a full cover spray at 7 – 14 day intervals, starting at full bloom. Repeat 2 – 6 times.
Onions	1 ℓ / 100 ℓ water 2 ℓ / ha	Dip seedling tray with seedling (roots of lifted seedlings) in solution, or wet seedling tray with a watering can before transplanting. Apply 14 – 21 days after transplanting and repeat the application twice at 14 days intervals
Ornamentals	0,75 – 1,5 ℓ / 100 ℓ water	Apply as a full cover spray at 7 – 14 day intervals throughout the growing season.
Pome- and Stone Fruit: (Apples, Pears, Plums, Olives)	200 mℓ / 100 ℓ water	Apply with each calcium (Ca) spray.
Potatoes	200 mℓ / 100 ℓ water 4 ℓ / ha 2 ℓ / ha	Soak the seed potatoes for approximately 5 minutes before planting, or spray seed potatoes in plant furrow with planter. Apply a second application 21 – 28 days after germination. Apply 10 – 14 days later but avoid applying at flowering stage.
Small Grains: (Wheat, Barley, Oats, Canola)	2 ℓ / ha	Spray between leaf stages 3 and 5.
Soya beans	4 ℓ / ha 2 ℓ / ha	Apply at third trifoliate leaf stage. Apply 14 days later.
Subtropical Fruits: Avocado's, Mangoes, Litchi and Citrus	3 ℓ / ha	Apply as a full cover spray at 7 – 14 day intervals, starting at full bloom. Repeat 2 – 6 times.
Tomatoes, Peppers	1 ℓ / 100 ℓ water 2 ℓ / ha	Dip the roots of the seedling into the solution before transplant or alternatively, drench the transplants just prior to or after transplanting. Apply 14 days after transplant and repeat the application twice at 14 day intervals.
Vegetables: Seedling trays Transplants Established Vegetables	1 ℓ / 100 ℓ water 1 ℓ / 100 ℓ water 0,75 – 1,5 ℓ / 100 ℓ water	Drench seedling tray directly after drilling the seed to stimulate uniform germination and root formation. Dip the roots of the seedling into the solution before transplant or alternatively, drench the transplants just prior to or after transplanting. Apply as a full cover spray during the first 4 weeks of establishment at 7 – 14 day intervals.

* CARBOLOGY® AnB Reg. No. K8588 Act 36 of 1947