

Gibb-Gro

Seaweed Concentrate Flake

Crop and Pasture - Great with Gibb-Gro Gibberellic Acid

GENERAL INFORMATION:

Gibb-Gro Seaweed Concentrate Flake is a natural environmentally friendly fast-dissolving flaked seaweed

Harvested from the cold Northern Hemisphere waters, *Ascophyllum nodosum* is considered to be the Rolls Royce of seaweeds.

The cold composting process retains all of the natural attributes of the kelp including 70 minerals, 17 amino acids, 4 natural growth promoters, chelating agents and complex sugars.

Use Gibb-Gro Seaweed Concentrate Flake to provide a balanced pasture, crop or home garden solution by providing most of the trace minerals and amino acids necessary for plant development, growth and disease resistance.

BENEFITS:

- Environmentally friendly.
- Free fixed organic nitrogen replaces your synthetic nitrogen.
- Promotes root growth.
- Improved frost protection.
- Improved root stimulation.
- Improve stress resistance.
- Increase yield.
- Benefits stock grazing on treated pasture.

HOW TO PLACE AN ORDER:

- Call Grant on 027 4982 574 or email on grant@gibb-gro.co.nz
- Call Shayne on 027 542 8179 or email on shayne@gibb-gro.co.nz

PRODUCT COMPOSITION:

Substance: *Ascophyllum nodosum* Seaweed

TYPICAL ANALYSIS

Nitrogen	1.9%	Zinc	800ppm
Phosphorus	2.35%	Boron	5000ppm
Potassium	17.7%	Manganese	10ppm
Calcium	0.4%	Cobalt	10ppm
Magnesium	0.44%	Sodium	4.65%
Sulphur	1.1%	Iodine	20ppm
Iron	5000ppm	Amino Acid	4%
Copper	10ppm	Organic Matter	45 – 50%

COMPATIBILITY

Gibb-Gro Seaweed Concentrate Flake is compatible with most herbicides, fungicides, insecticides, fertilisers and adjuvants. With all products we recommend testing a small quantity in a jar or similar container to confirm this.

In the case of low pH mixes it may be necessary to adjust the pH back to 6-7. If using products containing calcium make sure calcium is added after the Gibb-Gro Seaweed Concentrate Flake.

There is no withholding period required for stock as Gibb-Gro Seaweed Concentrate Flake is also used as an animal health supplement.

GENERAL DIRECTIONS:

Direct to Soil

Can be applied by most types of spray units, irrigators etc. and can be applied by sprinkle, jet and microjet, drip or flood. Just ensure that at least one-part Gibb-Gro Seaweed Concentrate Flake is dissolved in a minimum of 5 parts water prior to further dilution or addition of other products.

Root Soaking

Before planting you can soak the roots in a solution of 25-50g Gibb-Gro Seaweed Concentrate Flake to 100 litres of water. This will encourage root growth when transplanting.

Onto the plant (Foliar)

Using half the recommended amount of water add the Gibb-Gro Seaweed Concentrate Flake and while agitating mix well. Add the balance of the water.

Use Gibb-Gro Wetter to ensure maximum dispersal and sticking.

Apply as a fine mist and ensure good coverage.

- See specific recommendations below.

General Recommendations

Pasture	1-2kg / ha
Maize	1-2kg / ha
Shrubs, trees and bushes	2-4kg / ha*

For specific crops see the table below

Vegetables

CROP	USAGE RATE PER APPLICATION	RECOMMENDED APPLICATION TIMES
Asparagus	1kg / ha	Apply to the soil at emergence and repeat by applying to the soil or leaves every 2-3 weeks
Beans – Broad	1 – 2kg / ha	Apply to the soil on planting and repeat by applying to the soil or leaves every 2-3 weeks
Beans - Runner	1 – 2kg / ha	Apply to the soil on planting and repeat every 2-3 weeks (soil or foliar)
Beetroot / Fodder Beet	1 – 2kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Broccoli	1 – 2kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Brussel Sprouts	1 – 2kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Cabbage	1 – 2kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Carrots	1 – 2kg / ha	Apply to the soil on planting and repeat by applying to the soil or leaves every 2-3 weeks

Cauliflower	1 – 2kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Celery	1 – 2kg / ha	Apply to the leaves when at the 2-4 leaf stage. Repeat every 2-3 weeks until harvest.
Chili and Peppers	1 – 2kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Corn / Maize	1 – 2kg / ha	Apply to the soil on planting and repeat by applying to the soil or leaves when at 30-60cm
Cucumber	1 – 3kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Garlic	1 – 2kg / ha	Apply to the soil on planting and repeat by applying to the soil or leaves every 2-3 weeks
Kale	1 – 2kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Kumara	1 – 2kgf / ha	Apply to the soil on planting and repeat by applying to the soil or leaves every 2-3 weeks
Leeks	1 – 2kg / ha	Apply to the soil on planting and repeat by applying to the soil or leaves every 2-3 weeks
Lettuce	1 – 2kg / ha	Apply to the leaves when at the 2-4 leaf stage. Repeat every 2-3 weeks until harvest.
Lucerne and general pasture	1 – 2kg / ha	Apply to the soil or leaves on planting or early growth and repeat after grazing or cutting.
Onions and Spring Onions	1 – 2kg / ha	Apply to the soil on planting and repeat by applying to the soil or leaves every 2-3 weeks
Peas	1 – 2kg / ha	Apply to the soil at emergence and repeat by applying to the soil or leaves every 2-3 weeks
Potatoes	1 – 2kg / ha	Apply to the soil on planting and repeat every 3-4 weeks (soil or foliar)
Pumpkin	1 – 3kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Radish	1 – 2kg / ha	Apply to the leaves when at the 2-4 leaf stage. Repeat every 2-3 weeks until harvest.
Spinach	1 – 2kg / ha	Apply to the leaves when at the 2-4 leaf stage. Repeat every 2-3 weeks until harvest.
Squash	1 – 3kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks
Tomatoes	1 – 2kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks.
Walnuts	1 – 2kg / ha	Apply when just bloomed then repeat every 2 weeks up until 2 weeks after harvest.

Wheat	1 – 2kg / ha	Apply to the soil on planting and repeat twice by applying to the soil or leaves when approximately 15cm and 40cm high.
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Fruit

CROP	USAGE RATE PER APPLICATION	RECOMMENDED APPLICATION TIMES
Apples	1kg / ha	Apply 2-3 weeks before budding, then again when budding. A 3 rd application about a week after petal fall and repeat every 2-4 weeks including one post-harvest application
Apricots	1 – 2kg / ha	Apply when budding, then again at petal fall. Then repeat every 2-4 weeks including one post-harvest application
Avocado	1 – 2kg / ha	Apply at the start of regrowth then again pre-bloom. Apply a 3 rd time 1-2 weeks from petal fall and then every 2-4 weeks including one post-harvest application.
Blackberry	1 – 2kg / ha	Apply at the start of growth then again pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.
Blackcurrant	1 – 2kg / ha	Apply to the soil 3-4 weeks before blooming with a 2 nd pre-bloom application 2 weeks later. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.
Blueberry	1 – 2kg / ha	Apply to the soil 3-4 weeks before blooming with a 2 nd pre-bloom application 2 weeks later. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.
Cherries	1 – 3kg / ha	Apply when budding, then again at petal fall. A 3 rd application when the fruit is young and again while yellow.
Figs	1 – 3kg / ha	Apply at the start of growth then repeat every 2-4 weeks including one post-harvest application.
Grapefruit	1 – 3kg / ha	Apply at the start of growth then again pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.
Grapes – Wine	1 – 2kg / ha	Apply to soil and leave at 2-4cm growth. Again at the 30-40cm growth and at the pre-bloom on the leaves. Then every 2-4 weeks until 2 weeks post-harvest.
Kiwifruit	1 – 2kg / ha	Apply at the start of growth then again pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application
Lemons and Limes	1 – 3kg / ha	Apply at the start of growth then again pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.
Mandarins	1 – 3kg / ha	Apply at the start of growth then again pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.
Nectarines	1 – 2kg / ha	Apply when budding, then again at petal fall. Then repeat every 2-4 weeks including one post-harvest application
Olives	1 – 2kg / ha	Apply as a foliar spray early spring then again 1-2 weeks pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application
Oranges	1 – 3kg / ha	Apply at the start of growth then again pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.

Peaches	1 – 2kg / ha	Apply when budding, then again at petal fall. Then repeat every 2-4 weeks including one post-harvest application
Pears	1 – 2kg / ha	Apply 2-3 weeks before budding, then again when budding. A 3 rd application about a week after petal fall and repeat every 2-4 weeks including one post-harvest application
Plums	1 – 2kg / ha	Apply when budding, then again at petal fall. Then repeat every 2-4 weeks including one post-harvest application
Raspberry	1 – 2kg / ha	Apply at the start of growth then again pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.
Rhubarb	1 – 2kg / ha	Apply to the leaves when at the 2-4 leaf stage. Repeat every 2-3 weeks until harvest.
Strawberries	2 – 3kg / ha	Treat the roots pre-planting (see Root soaking above) then apply to the soil every 2-3 weeks until harvested.
Tangelos	1 – 3kg / ha	Apply at the start of growth then again pre-bloom. Apply a 3 rd time at petal fall and then every 2-4 weeks including one post-harvest application.
Tamarillo		Apply 2-3 weeks before budding, then again when budding. A 3 rd application about a week after petal fall and repeat every 2-4 weeks including one post-harvest application
Watermelon, Rockmellon	1 – 3kg / ha	Apply to the soil on planting or onto the roots (see root soaking recommendations) and repeat by applying to the soil or leaves every 2-3 weeks

IMPORTANT TIPS

- Like most products **Gibb-Gro Seaweed Concentrate Flake** is best applied early morning or late afternoon.
- Ensure mixed well.
- Use Gibb-Gro Wetter or other surfactant / wetter to improve dispersion and sticking.
- Use immediately if plants are stressed by events like frosts or drought.
- Do not use more than 4kg / ha for any single application.

PRODUCT SAFETY AND HANDLING:

Gibb-Gro Seaweed Concentrate Flake is a natural product and has no real product dangers but normal best practice spraying is recommended especially if mixing with other products

Store in a dry, cool place away from direct sunlight.