

# PhytoGreen®-Bio NPK's without sugar beet vinasse purely vegetable



## ORGANIC NPK-FERTILISER LIQUIDS

### Mode of action and advantages:

- ◆ Vegetable raw materials from the food industry (fermented and enzymatically hydrolysed).
- ◆ High quality end products containing water soluble nutrients including phosphor.
- ◆ Free of residues.

### Composition:

	PhytoGreen®- Bio-N 6,5	PhytoGreen®- Bio-NPK 2-1-10	PhytoGreen®- Bio-NPK 3-4-3	PhytoGreen®- Bio-NPK 5-2-5	PhytoGreen®- Bio-NPK 6-2-2	PhytoGreen®- Bio-NPK 7-2-2	PhytoGreen®- Bio-NPK 8-3-2
<b>Nitrogen (N)</b>	6,5% (73 g/l)	2% (25 g/l)	2,5% (30 g/l)	4,1% (50 g/l)	5,0% (60 g/l)	5,8% (70 g/l)	6,3% (80 g/l)
<b>Phosphate (P<sub>2</sub>O<sub>5</sub>)</b>		1% (12 g/l)	3,3% (40 g/l)	1,6% (20 g/l)	1,8% (20 g/l)	1,7% (20 g/l)	2,4% (30 g/l)
<b>Potassium (K<sub>2</sub>O)</b>		10% (125 g/l)	2,5% (30 g/l)	4,1% (50 g/l)	1,8% (20 g/l)	1,7% (20 g/l)	1,6% (20 g/l)
<b>Calcium (Ca)</b>		0,14% (1,7 g/l)	0,05% (0,6 g/l)	0,1% (1,3 g/l)	0,1% (1,3 g/l)	0,05% (0,6g/l)	0,1% (1,3 g/l)
<b>Magnesium (Mg)</b>		0,3% (3,7 g/l)	1,0% (12 g/l)	0,1% (1,3 g/l)	0,1% (1,3 g/l)	0,3% (3,2 g/l)	0,2% (2,6 g/l)
<b>Sulphur (S)</b>		0,6% (7,4 g/l)	0,3% (3,6 g/l)	0,6% (7 g/l)	0,6% (7 g/l)	1,0% (12 g/l)	1,0% (13 g/l)
<b>Boron (B)</b>		ca. 5 mg/l	10 mg/l	6 mg/l	5 mg/l	6 mg/l	10 mg/l
<b>Iron (Fe)</b>		ca. 30 mg/l	70 mg/l	40 mg/l	40 mg/l	30 mg/l	60 mg/l
<b>Copper (Cu)</b>		ca. 4 mg/l	4 mg/l	4 mg/l	5 mg/l	2 mg/l	5 mg/l
<b>Manganese (Mn)</b>		ca. 10 mg/l	20 mg/l	16 mg/l	20 mg/l	12 mg/l	20 mg/l
<b>Zinc (Zn)</b>		ca. 20 mg/l	70 mg/l	30 mg/l	30 mg/l	24 mg/l	50 mg/l

Individual compositions are possible also (minimum order amount 1000 l).

### Recommendations for use:

**Application via the soil:** 0,8 to 1,5%.

**Dosage in drip or sub-irrigation:** 0,1-0,25%-ig.

**Application via the leaf:** 0,5-1,0%ig.

Repeat the application according to the nutrient demands of the culture - usually every 10 days at the beginning of the culture, every 3 days in the main growth phase.



**Pot trial in basil 2018:** Basil in 0,5l-pots with 2 different substrates was drip-irrigated (3 l/h; 2 bar) with in total 600 ml water/ water + PhytoGreen®-Bio-NPK 8-3-1 (formulation 2020) per pot without rinsing of pipes afterwards. Fertilizer amount: 1,4 g/l with the first two irrigations and 4,2 g/l with the following seven irrigations - sum: 168 mg N, 63 mg P und 21 mg K per pot.

**Result:** PhytoGreen®-Bio-NPK 8-3-1 increased above ground biomass on both substrates by 250%. The regular addition of PhytoGreen®-Bio-NPK 8-3-1 did not cause any clogging in the drip irrigation system, had no appreciable effect on the pH of the soil and only led to a small increase in the EC value.

PhytoGreen®-Bio-NPK's without vinasse are the innovation and ecological as well as economical answer to the current challenges and questions in cultivation of vegetables, herbs and ornamentals.

### Pack sizes:

1 l • 10 l • 200 l • 1000 l

In compliance with Council Regulation (EC) No 2018/848 on organic farming. Listed at FiBL Inputs list for the organic agriculture in Germany and at InfoXgen.