

# PhytoGreen®-Bio N(P)K's based on sugar beet vinasse



ORGANIC MINERAL N(P)K-FERTILISER LIQUIDS with trace elements

## Mode of action and advantages:

- ◆ Provide natural nutrients.
- ◆ Raw materials: sugar beet vinasse, enzymatic hydrolysed animal proteins (7-2-2 and 8-3-4 only), stone dust, certified micronutrient fertilisers, seaweed.
- ◆ Direct uptake supports growth, fruit development and yield.
- ◆ Available in various compositions.

## Composition:

	PhytoGreen®- Bio-NK 4-6	PhytoGreen®- Bio-NPK 2-5-8	PhytoGreen®- Bio-NPK 3-3-3	PhytoGreen®- Bio- NPK 4-1-5	PhytoGreen®- Bio-NPK 8-3-4
<b>Nitrogen (N)</b>	4% (52 g/l)*	2% (33 g/l)*	3% (39 g/l)*	4% (50 g/l)*	5,9% (80 g/l)**
<b>Phosphate (P<sub>2</sub>O<sub>5</sub>)</b>	0,2% (2,6 g/l)	5% (67 g/l)	3% (39 g/l)	1% (13 g/l)	2,3% (30 g/l)
<b>Potassium (K<sub>2</sub>O)</b>	6% (78 g/l)	8% (112 g/l)	3% (39 g/l)	5% (64 g/l)	3% (40 g/l)
<b>Calcium (Ca)</b>	0,2% (2,6 g/l)	5% (80 g/l)	5% (65 g/l)	1,5% (20 g/l)	3% (40 g/l)
<b>Magnesium (Mg)</b>	0,05% (0,7 g/l)	0,1% (1,5 g/l)	0,1% (1,3 g/l)	0,3% (3,9 g/l)	0,1% (1,4 g/l)
<b>Sulphur (S)</b>	0,8% (10 g/l)	2% (30 g/l)	1% (13 g/l)	1% (13 g/l)	0,6% (8,4 g/l)
<b>Boron (B)</b>	15 mg/l		110 mg/l	5 mg/l	
<b>Iron (Fe)</b>	10 mg/l	0,1% (1,5 g/l)	0,2% (2,6 g/l)	0,1% (1,3 g/l)	0,1% (1,4 g/l)
<b>Copper (Cu)</b>	100 mg/l	0,1% (1,5 g/l)	0,1% (1,3 g/l)		0,1% (1,4 g/l)
<b>Manganese (Mn)</b>	70 mg/l	0,1% (1,5 g/l)	0,2% (2,6 g/l)	0,1% (1,3 g/l)	0,1% (1,4 g/l)
<b>Zinc (Zn)</b>	20 mg/l	0,1% (1,5 g/l)	0,2% (2,6 g/l)	0,1% (1,3 g/l)	0,1% (1,4 g/l)
<b>Seaweed</b>	no	yes	yes	yes	yes

\* N out of sugar beet vinasse; \*\* N out of sugar beet vinasse + enzymatic hydrolysed animal proteins

## Recommendations for use and application rates:

<b>General:</b>	Vinasse can be used for soil application in any culture. When using conventional irrigation technology, the concentration should not exceed 5 %. As direct soil application in orchards and viticulture the product can also be applied in higher concentration. PhytoGreen®-Bio NPK's can also be used for foliar application but may cause spraying stains. Application rate 0,4-1,5%. Dosage in drip or sub-irrigation: 0,1-0,25% every 3-10 days (every 10 days at the beginning of the culture, every 3 days in the main growth phase).
<b>Pip fruit:</b>	Fertigation: max. 5%. Foliar application: 0.5-1% from the beginning of vegetation up, potentially reapply. In rusting sensitive varieties do not apply during periods critical for rust development.
<b>Stone fruit and berries:</b>	Fertigation: max. 5%. Foliar application: 0.5-1% from the beginning of vegetation up, potentially reapply.
<b>Vine:</b>	Fertigation: max. 5%. Foliar application: 0.5-1% from the beginning of vegetation up, potentially reapply.
<b>Vegetables:</b>	Fertigation: max. 5%. Foliar application: for initial development: 2-4 applications from 2-leaf-stage up with 0.2-0.4%. For nutrient supply and output: 2-4 applications with 5-8 l/ha during main growth period.
<b>Cereals:</b>	1-2 foliar applications with 4-8 l/ha from beginning of vegetation up.
<b>Zuckerrüben:</b>	1-2 foliar applications with 4-6 l/ha from 5-6-leaf-stage until meeting across the rows.
<b>Maize:</b>	1-2 foliar applications with 4-6 l/ha.
<b>Ornamentals, mediterranean plants, citrus:</b>	As foliar or soil application with 0,4-0,8%, reapply according to the demands of the culture.

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.

## Pack sizes:

18 | 1 • 10 l • 200 l • 1000 l