

Biovin[®]

liquid

High-energy fertilization
for extra vitality

Fragile or young plants require balanced yet high-energy nutrition. PHC Biovin Liquid is an organic, high-energy extract of humidified grape skins, stems and seeds. This conversion results in a mixture of natural and effective growth hormones (auxin) and organic plant nutrients. Phytonutrients in PHC Biovin Liquid stimulate the systemic immune systems of plants and support healthy plant growth. For example, certain acids are instrumental in activating defence mechanisms following an attack by pathogens. The low salt and chloride concentrations make this an excellent fertilizer for delicate crops, such as vegetable sprouts, cuttings or fruit crops. The high concentration of simple carbons form an important source of energy for, among other things, rhizobacteria and fungi in the soil.



PRODUCT BENEFITS

- Clean and odourless
- Completely homogeneous
- Rich in phytonutrients
- Source of nutrients for rhizobacteria
- Reduces nitrate concentrations
- Perfect for sensitive crops
- Increases plant resistance
- Contributes to improved soil structure

USE IN COMBINATION WITH OTHER (PHC) PRODUCTS

PHC Biovin Liquid can be used in combination with all PHC fertilizers, PHC mycorrhiza products and PHC plant enhancers. Application of Biovin and Fulvic 25 strengthens the action and effect of PHC Biovin Liquid.

Packaging, transport & storage

PHC Biovin Liquid is supplied in IBCs of 1,000 litres and jerry cans of 20 litres. Store sealed, dry and away from frost.

Shelf life: 2 years minimum.

Health and safety information

Not intended for ingestion. Wash hands after use. Consult a doctor, in case of an accident or if you feel unwell. KEEP OUT OF REACH OF CHILDREN.

Product licences

PHC Biovin Liquid is an organic fertilizer and is permitted for use in organic farming in accordance with EU Regulation 834/2007 and NOP. Approved Input by Soil Association. Check current listings also on inputs.bio, inputs.eu, skal.nl.



We Grow Soil.

INGREDIENTS

Humified grape extract 100%

DOSAGE

| | |
|---|------------------------------------|
| Substrate cultivation (mineral wool, coconut fibre) | 0.1-0.3% continuous administration |
| Cuttings without roots | 0.33% weekly |
| Cuttings with roots | 0.2% weekly |
| Vegetable sprouts | 0.2% weekly |
| Soft fruit cultivation | 0.2-0.4% weekly |
| Leaf application | 0.2% weekly |

GUARANTEED ANALYSIS

| | |
|------------------|-----------|
| N-total | 1% |
| Cl | 3 mg/L |
| PO ₄ | 9 mg/L |
| K ₂ O | 65 mg/L |
| B | 10 mg/L |
| CaO | 23 mg/L |
| Cu | 0 mg/L |
| Fe | 52 mg/L |
| MgO | 6.79 mg/L |
| Mn | 0.10 mg/L |
| Zn | 0.15 mg/L |
| S | 13 mg/L |

PROPERTIES

| | |
|------------------|-----------|
| Total dry matter | 0.6% |
| Ash residue | 0.3% |
| Organic matter | 0.3% |
| pH | 7.3 |
| Amino acids | 4-6% |
| Density | 1 kg/l |
| EC | 288 µS/cm |

Amino acids (free)

| | µg/L | Organic acids | µg/L |
|---------------|------|------------------|------|
| Glutamate | 63 | Lactate | 371 |
| Arginine | 57 | Glutarate | 180 |
| Alanine | 56 | Oxalate | 158 |
| Leucine | 52 | Succinate | 104 |
| Valine | 39 | Fumarate | 87 |
| Serine | 31 | Citrate | 63 |
| Phenylalanine | 31 | Malate | 33 |
| Glycerine | 25 | Malonate | 33 |
| Threonine | 21 | Tartrate | 30 |
| Aspartate | 19 | Aconitate | 26 |
| Isoleucine | 17 | Protocatechuate | 19 |
| Proline | 12 | Acetylsalicylate | 3 |
| Methionine | 11 | | |
| Glutamine | 2 | | |
| Asparagine | 2 | | |

ADDITIONAL INFORMATION

Apply from the first full leaf development. Mix with 200 liter water/ha. Spray dissolved product within 4-6 hours. Consult your product representative for tailor made advice.

As with all organic materials, the analysis may vary as much as 15%.

WARRANTY

Plant Health Cure sells the product PHC Biovin Liquid. Follow the instructions on the packaging closely for use. We cannot guarantee suitability of the product outside the originally intended application. Plant Health Cure is only obliged to replace products that do not meet the specifications. Suggestions for use and information about results after use of the product - obtained from the manufacturer - can be considered reliable. As Plant Health Cure cannot exercise any control over the conditions of use, the buyer/user is responsible for all results, including injury or damage resulting from the use of this product alone or in combination with other materials. Keep out of reach of children.

The most recent version of the data sheet is always available on www.phc.eu.