

# OPF 4•2•8

## organic plant feed

Liquid  
plant based  
fertilizer

The organic base of OPF consists of plant based raw materials with high levels of natural sugars. Specific fermentation processes upgrade the organic materials to an excellent fertilizer. Natural vegetable raw materials have low amounts of salt, reducing the risk of root- and leaf burn damage. The high content of trace elements and sugars supports a healthy soil life and provides healthy and stable plant growth. The amino acids in OPF originate from plants and are therefore easy to absorb, even at low temperatures. The balance between slow and quick released nitrogen elements ensures an effect of up to 3 weeks. OPF is a natural product and contains no preservatives.

### PRODUCT BENEFITS

- Fully plant based
- Ensures stable plant growth
- Supports healthy soil life
- Efficient use of minerals
- Increases abiotic stress tolerance
- Provides a compact root system
- Also effective at low temperatures
- Contributes to climate-proof crops



### USE IN COMBINATION WITH OTHER (PHC) PRODUCTS

OPF 4-2-8 may be used in combination with all other PHC fertilizers, PHC bacterial products, PHC mycorrhiza products and PHC plant enhancers. The use of Biopak, MooR and PHC mycorrhiza products supports efficient use of fertilizers. Application of Fulvic 25 amplifies the effect of OPF 4-2-8.

### Packaging, transport & storage

OPF 4-2-8 is supplied in cans of 20 litre or IBC's of 1.000 litre. Must be stored closed, dry, in a frost-free place, away from direct sunlight. Large or sudden temperature changes may cause crystals. OPF 4-2-8 is free of preservatives and therefore long-term storage can cause instability. Shake, stir or aerate the product before use in order to restore the original structure. PHC can supply special aerate rods that supports aeration.

Shelf life: 1 year (possible up to 2 years).

### Health and safety information

Not intended for ingestion. Wash hands after use. While handling the product, wear protective clothing. In case of an accident or if you feel unwell, consult a doctor. KEEP OUT OF REACH OF CHILDREN.

### Product licences

OPF 4-2-8 is an organic liquid fertilizer and is approved for use in organic farming in accordance with EU regulation 834/2007, NOP (Control Union: P180973) and NPOP. Approved input by Soil Association (UK) and Kiwa Sverige AB (SE). Belgium Exemption EM064.I: Solution of compound fertilizers NPK with amino acids. Check current listings also on [inputs.bio](http://inputs.bio), [inputs.eu](http://inputs.eu), [krav.se](http://krav.se).

Approved input for use within Bio-Austria; Check current admission and possible restrictions on [infoxen.com](http://infoxen.com).



## We Grow Soil.

## INGREDIENTS

Potato extract	72.5 %
Sugarbeet extract	25 %
Inert ingredient	2.5 %

## DOSAGE

	Foliar fertilization	Irrigation / fertigation
Agriculture	5-10 l/ha, biweekly	
Tree nursery	5-10 l/ha, every 2 - 3 weeks	10 - 50 l/ha, biweekly
Fruit cultivation	3-5 l/ha, weekly	5 %, as needed
Greenhouse horticulture	1 ml/m <sup>2</sup> , weekly	1 ml/m <sup>2</sup>
Horticulture	5-10 l/ha	25-50 l/ha, biweekly

## GUARANTEED ANALYSIS

Elements	Value	Amino acids	r.a. <sup>1</sup> g/kg	total g/kg
N-total	3.3 - 4.2 %	Alanine	4.5	7.0
NO <sub>3</sub> -N	< 0.1 %	Arginine	3.6	6.0
NH <sub>4</sub>	0.4 - 0.6 %	Asparagic acid	14.4	40.1
Cl	0.64 %	Cysteine	0.5	1.9
P <sub>2</sub> O <sub>5</sub>	1.6 %	Glutamic acid	22.3	50.8
K <sub>2</sub> O	6.9 - 7.8 %	Glycine	0.5	2.8
B	20 mg/kg	Histidine	0.5	0.5
CaO	0.2 %	iso-Leucine	0.9	2.1
Cu	14 mg/kg	Leucine	0.5	2.8
Fe	84 mg/kg	Lysine	0.5	4.3
MgO	0.5 %	Methionine	0.6	0.7
MO	< 5 mg/kg	Phenylalanine	3.9	3.9
Mn	18 mg/kg	Proline	1.2	6.0
Zn	56 mg/kg	Serine	2.9	3.1
Na <sub>2</sub> O	0.7 %	Taurine	2.9	2.9
S	0.9 %	Threonine	1.0	2.2
SO <sub>3</sub>	2.3 %	Tyrosine	1.3	2.3
		Valine	1.5	3.3

<sup>1</sup> directly absorbable for plants

## PROPERTIES

Totaal dry matter (of total weight)	49.3 %	pH	5.5 - 6.0
Ash	13.4 %	Amino acids	13 - 15 %
Organic matter (OS)	35.9 %	Total sugars	3.87 %
Density	1.3 kg/l		

## ADDITIONAL INFORMATION

Minimum dilution with water 1:20, 600-1000 liter water/ha. Spray diluted or mixed product within 4-6 hours. Used raw materials are extracted from commonly grown crops, possibly resulting in residue. For fertilization in tomato cultivation, OPF 7-0-2 is recommended.

Different doses may apply for the recovery of fields in poor (bio) condition. 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 OPF. 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/en](http://www.phc.eu/en).