

# 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

- 100% plant based
- Ensures stable plant growth
- Supports healthy soil life
- Efficient use of minerals
- Easily absorbable amino acids
- Increases abiotic stress tolerance
- Also effective at low temperatures
- Contributes to climate-proof crops



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

OPF 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 strengthens the effect of OPF.

### Packaging, transport & storage

OPF 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 is free of preservatives and therefore long-term storage might not be stable. Shake, stir or aerate the product before use in order to restore the original structure. PHC can supply special aerate rods that supports aeration.

### Health and safety information

Not intended for ingestion. Wash hands after handling the product. While handling the product, wear protective clothing. In case of accidents or feeling ill, seek medical assistance (if possible, show this label).  
KEEP OUT OF REACH OF CHILDREN.

### Product licences

OPF has been approved for use in organic agriculture in accordance with EU regulation 834/2007. This product is locally registered as organic fertilizer at FIBL, InfoxGen, SKAL and the Soil Association.



## We Grow Soil.

## INGREDIENTS

Potato extract	80 %
Sugarbeet extract	20 %

## DOSAGE

	Foliar fertilization	Irrigation / fertigation
Arable farming	5-10 l/ha, biweekly	
Tree nursery	5-10 l/ha, every 2 - 3 weeks	10 - 50 l/ha, biweekly
Fruit crops	3-5 l/ha, weekly	5 %, as needed
Greenhouse crops	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	g/kg
N-totaal	3,3 - 4,2 %	Alanine	6,7
NO <sub>3</sub> -N	< 0,1%	Arginine	3,4
NH <sub>4</sub>	0,4 - 0,6 %	Asparagic acid	29,8
Cl	0,64 %	Cysteine	1,7
P <sub>205</sub>	1,6 %	Glutamic acid	40,5
K <sub>20</sub>	6,9 - 7,8 %	Glycine	2,2
B	20 mg/kg	Histidine	1
CaO	0,2 %	Hydroxyproline	<0,5
Cu	14 mg/kg	iso-Leucine	1,6
Fe	84 mg/kg	Leucine	2,3
MgO	0,5 %	Lysine	3,2
MO	< 5 mg/kg	Methionine	0,9
Mn	18 mg/kg	Phenylalanine	1,6
Zn	56 mg/kg	Proline	4,5
Na <sub>20</sub>	0,7 %	Serine	2,3
S	0,9 %	Threonine	1,7
SO <sub>3</sub>	2,3 %	Tyrosine	1,7
		Valine	3,4

## PROPERTIES

Totaal dry matter (of total weight)	49,3 %	PH	5,5 - 6,0
Ash	13,4 %	Amino acids	10 - 12 %
Organic matter (OS)	35,9 %	Density	1.3 (1 kg = 1.3)

## ADDITIONAL INFORMATION

Minimum dilution with water 1:20, 600-1000 l/ha. Different doses may apply for the recovery of fields in poor (bio) condition. Spray diluted or mixed product within 4-6 hours. The raw materials are extracted from conventional sugar beet and potatoes. Therefore OPF contains all known and unknown compounds that can be found in plants. As with all organically sourced materials, the analysis may vary as much as 15%.

Consult your PHC crop advisor for tailor-made advice.

## GUARANTEE

Plant Health Cure sells the product OPF. Carefully follow the instructions on the packaging. We do not guarantee the product's suitability for applications other than that originally intended. Plant Health Cure is only obliged to replace any products that do not meet the specifications. Suggestions for use and information on results of the product's use obtained by the producer may be considered reliable. As Plant Health Cure cannot control the conditions of the product's use, the buyer/user is responsible for all results, including any injuries or damage resulting from the use of this product by itself or in combination with other products. Keep out of reach of children.

The latest version of the datasheet can always be found at [www.phc.eu](http://www.phc.eu).