

# Talborne Organics

Growing Health

## PRODUCT INFORMATION AND TECHNICAL DATA SHEET

# Nourish

## LIQUID ORGANIC PLANT FOOD RANGE (LOPF):

### NOURISH 7:1:2 (10) Leafy Greens

5 L, 20 L & 1000 L



### NOURISH 4:1:6 (11) Buds, Flowers & Fruit

5 L, 20 L & 1000 L



### NOURISH 5:1:4 (10) Multi-Plant

5 L, 20 L & 1000 L



### INGREDIENTS: Potato & Sugar Beet

**NOURISH** “from Plants for Plants” is a range of 100% plant-based liquid organic fertilizers, rich in natural amino acid Nitrogen (N), Potassium(K), Carbohydrates and Sugars. Nutrients from **NOURISH** are readily assimilated to grow healthy plant tissue, resulting in vigorous and productive crops. The Minor and Micro-Nutrients in **NOURISH** increase yields, prevent deficiency diseases, and strengthen plant cells to resist pest and disease and provide resilience to climatic stress. Nutrients can be taken up efficiently under climatic extremes of hot or cold conditions. The high content of sugars and carbon feed a healthy soil life resulting in stable plant growth.

**NOURISH LOPF** fertilizers are low in salts, thus do not burn plants roots and leaves.

**NOURISH LOPF** are natural fertilizers and contain no preservatives.

### NOURISH FOR OPTIMAL CROP PRODUCTION:



Soil improvement



Optimizing rhizosphere



Natural fertilization



Disease resistance



Water management

### NOURISH BENEFITS

- ✓ 100% plant-based fertilizer, ‘From plants for plants’
  - Nitrogen from Amino Acids are easily absorbed
  - Rich in carbohydrates and sugars (Mono, Di- and Polysaccharides) to promote healthy soil life
  - Organic Carbon for efficient uptake of nutrients
  - Grow Nutrient dense food
  - Ideal for Organic Vegan & Vegetarian growing
- ✓ Sustained nutrient uptake ensures stable plant growth
- ✓ Improves plant resilience and stress tolerance to abiotic (growing conditions) & biotic (pest & disease)
- ✓ Protects crops against climatic extremes as nutrients are available to plants at high or low temperatures



INPUT:  
Organic EU  
(CU 833864)



APPROVED INPUT:  
National Organic  
Program NOP

## NOURISH 7:1:2 (10) Leafy Greens

Fertilizer Group 2 : Reg No. B5832, Act 36 of 1947  
Cu Cert No: CU833864  
Application: Foliar/Irrigation

Value %		mg/kg	
N-total	6.8 - 7.3	Zn	56.3
N03-N	<0.1	Cu	2.6
NH4	0.8 - 1.0	Mn	31.6
P	1.1 - 1.2	Fe	122.5
K	1.6 - 2.1	B	12.2
Ca	0.03	Mo	0.9
Mg	0.16		
S	0.1 - 1.7		

Properties:	
SG @ 20°C	1.2800
pH	5.5 - 6.0
Amino Acids	19 - 21%
Total dry matter (of total weight)	59%
Ash	8.10%
Organic matter (OS)	50.90%

## NOURISH 4:1:6 (11) Buds, Flowers & Fruit

Fertilizer Group 1 : Reg No. K10951, Act 36 of 1947  
Cu Cert No: CU833864  
Application: Foliar/Irrigation

Value %		mg/kg	
N-total	3.3 - 4.2	Zn	78.5
N03-N	<0.1	Cu	9.4
NH4	0.4 - 0.6	Mn	25.7
P	0.70	Fe	126.3
K	5.7 - 7.1	B	14.6
Ca	0.08	Mo	1.2
Mg	0.34		
S	1		

Properties:	
SG @ 20°C	1.2900
pH	5.5 - 6.0
Amino Acids	13 - 15%
Total dry matter (of total weight)	49%
Ash	13.40%
Organic matter (OS)	35.90%

## NOURISH 5:1:4 (10) Multi-Plant

Fertilizer Group 2 : Reg No. B5831, Act 36 of 1947  
Cu Cert No: CU833864  
Application: Foliar/Irrigation

Value %		mg/kg	
N-total	4.8 - 5.2	Zn	65.1
N03-N	<0.1	Cu	4.9
NH4	0.4 - 0.75	Mn	30.9
P	0.8 - 1.1	Fe	121.9
K	4.1 - 4.5	B	12.7
Ca	0.06	Mo	0.9
Mg	0.23		
S	1.0 - 1.3		

Properties:	
SG @ 20°C	1.2800
pH	5.5 - 6.0
Amino Acids	16 - 18%
Total dry matter (of total weight)	57 - 58%
Ash	11.40%
Organic matter (OS)	45.50%

NOURISH Typical Amino Acid Content (Total g /kg)	7.1.2 (10)	4.1.6 (11)	5.1.4 (10)
<b>Typical Amino Acid %</b>	19 - 21%	13 - 15%	16 - 18%
<b>Improves Fruit Quality, plant physiology &amp; metabolism, defense against stress, lignin biosynthesis, fruit ripening</b>			
Alanine Important in plant physiology, metabolism & stress resilience	19.0	7.0	10.1
Valine Regulates vegetative to reproductive growth. Protein synthesis and fuel for energy	1.1	3.3	2.4
Leucine Regulates cell growth and biosynthesis of protein	1.3	2.8	2.5
<b>Nitrogen reserve and cycling, biochemical processes, Root development, cytokine immune response &amp; cell growth</b>			
Arginine	1.5	6.0	4.8
<b>Increases Chlorophyll, photosynthesis, metabolism, protein formation, pollen and seed germination</b>			
Glutamic Acid	96.3	50.8	87.0
<b>Root hair development, mineral chelating function, high brix, drought &amp; salt stress resistance</b>			
Glycine	2.5	2.8	2.8
<b>Plant growth and development, protein formation, Fruit maturation &amp; strong immunity</b>			
Histidine	0.5	0.5	1.2
<b>Signaling Amino acid, regulates plant growth, stress response, precursor to glutamate</b>			
Lysine Building block of protein, regulates growth	1.7	4.3	3.8
Proline Protects against stress & stress recovery	31.1	6.0	3.1
<b>Pollen, Fertility, stress tolerance, regulates plant growth, anti-oxidant</b>			
Iso - Leucine Protein synthesis, tolerance to	1.1	2.1	1.9
Methionine Plant stress, root development, enzyme functions	0.5	0.7	0.6
Phenylalanine Plant structure, reproduction, resistance, protein formation	0.9	3.9	1.9
Aspartic acid Synthesis of lysine, Threonine, Methionine & Iso-Leucine. Important in Grains & Seeds. Energy & stress regulation	31.4	40.1	37.3
Cysteine Plant metabolism, fixing Sulphur, plant defense & immunity, regulates autophagy, root hair growth, enzymatic activity.	0.9	1.9	2.5
Serine Plant metabolism, cell signaling. Synthesis of biomolecules like amino acids, phospholipids. Protein formation	2.0	3.1	2.7
Taurine Plant growth & development, roots, photosynthesis, protects cell membranes	0.1	2.9	1.7

### Directions for use:

- Shake, stir or agitate thoroughly before use
- Dilution: Soil application - 1:10 to 1:20  
Foliar spray - 1:100 to 1:200
- Use diluted product within 4 hours
- Do not mix with copper containing products.

**Storage:** Must be stored closed, dry, in a frost-free place, away from direct sunlight. Large or sudden temperature changes may cause crystals. As **NOURISH** is free of preservatives storage of longer than 1 year is not advised.

**Health and Safety: KEEP OUT OF REACH OF CHILDREN AND ANIMALS.** Not intended for ingestion. Wear protective clothing and wash hands after handling product. In case of accidents or feeling ill, seek medical assistance and show copy of this label.

**Warranty:** Great care is taken to ensure the quality of this product, however, Talborne Organics cannot control the conditions of use, or guarantee the suitability of the product for each unique application, therefore Talborne Organics cannot be held liable for the results, injury or damages resulting from the use of this product, alone or in combination with other materials. If the product is proven to be of poor quality or is damaged, we undertake to replace it.

### Application guidelines per Hectare (Ha)\* every 14 days

	Foliar Fertilization	Irrigation/fertigation
Grains & Pastures	5 to 10L/Ha	10 to 50L/Ha
Tree & Plant Nursery	5 to 10L/Ha	10 to 50L/Ha
Fruiting Trees	6 to 10L/Ha	5% or as required
Greenhouse Crops	2ml/m <sup>2</sup>	2ml/m <sup>2</sup>
Horticultural & Intensive crops	5 to 10L/Ha	25 to 50L/Ha
Landscape Maintenance & Turf	5 to 10L/Ha	25 to 50L/Ha

\* Remediation of the physical and chemical properties of the soil should be undertaken before planting. **Plant crop with the recommended Talborne Organic solid fertilizer and use **NOURISH** plant food for optimal production.**

The **NOURISH** application rates should be based on soil or leaf analysis, and adjusted according to the specific crop, crop stage, and climatic conditions. Advice from a suitably qualified person is recommended. Increase application rates of **NOURISH** plant food for poor, unproductive and depleted soils with low fertility or crops that are stressed due to climatic conditions.



From Plants for Plants

Packaged & Distributed by: TALBORNE ORGANICS FRANCHISE GROUP (Pty) Ltd  
Co. Registration no. 1989 / 03866 / 07  
P. O. Box 1256, Cullinan, 1000, 9 Tungsten Street, Ekandustria, 1028  
Tel: +27 13 933 3172 | Cell: +27 79 896 5814  
Email: info@talborne.co.za

For further information visit: [www.talborne.co.za](http://www.talborne.co.za)

