

VITALINK



Technical Brochure



Welcome to VitaLink!

VitaLink is a range of plant nutrients, additives and growing media for use in hydroponic systems, coco coir and soil. Whether you're just starting out in growing or you're an expert, the VitaLink range will help you achieve the best possible plant health, growth and yield.

The VitaLink product range includes hydroponic, coco coir and soil based nutrients as well as additives and growing media suitable for professional growing. Read on to discover the nutrient and additive technical information for each product.

- 1 Hydro MAX Grow
- 2 Hydro MAX Bloom
- 3 Coir MAX
- 4 Earth MAX Grow
- 5 Earth MAX Bloom
- 6 Silicon Max
- 7 PlantStart
- 8 CalMag
- 9 RootStim
- 10 Fulvic
- 11 Buddy
- 12 PK
- 13 Chill
- 14 Heat
- 15 Hydrate
- 16 Foliar
- 17 Finale
- 18 Barcodes - Nutrients
- 19 Barcodes - Additives
- 20 Barcodes - Additives



- Complete plant feed for hydroponic systems
 - Comes in A+B sets, and is available for SW/HW locations
 - Grow formulation should be used up to the second flowering week
 - Available in 1L, 5L and 10L bottles
- Grow dosage rates:
Young plants = 1-2ml/L
Mature plants = 3-4ml/L
 - NPK 5.5:2.5:7.5
 - Recommended pH: 5.8-6.5
 - Now includes EDDHA (increase iron availability) and fulvic acid (aids nutrient uptake)

HW Minimum guaranteed analysis.	
Total Nitrogen (N)	5.5%
Ammoniacal Nitrogen (NH ₄)	0.7%
Nitrate Nitrogen (NO ₃)	4.8%
Potassium oxide (K ₂ O) (water soluble)	7.5%
Phosphorus pentoxide (P ₂ O ₅) (water soluble)	2.5%
Calcium oxide (CaO)	3.6%
Magnesium oxide (MgO)	1.3%
Sulphur trioxide (SO ₃)	3.0%
Boron (B)	0.009%
Cobalt (Co)	0.001%
Copper (Cu) – chelated by EDTA	0.002%
Iron (Fe) – chelated by EDDHA	0.075%
Manganese (Mn) – chelated by EDTA	0.026%
Zinc (Zn) – chelated by EDTA	0.010%
Molybdenum (Mo)	0.001%
Nickel (Ni)	0.001%
Low in Chloride	

SW Minimum guaranteed analysis.	
Total Nitrogen (N)	5.5%
Ammoniacal Nitrogen (NH ₄)	0.5%
Nitrate Nitrogen (NO ₃)	5.0%
Potassium oxide (K ₂ O) (water soluble)	7.5%
Phosphorus pentoxide (P ₂ O ₅)	2.5%
Calcium oxide (CaO)	4.9%
Magnesium oxide (MgO)	1.7%
Sulphur trioxide (SO ₃)	3.0%
Boron (B)	0.009%
Cobalt (Co)	0.001%
Copper (Cu) – chelated by EDTA	0.002%
Iron (Fe) – chelated by EDDHA	0.075%
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Molybdenum (Mo)	0.001%
Nickel (Ni)	0.001%
Zinc (Zn) – chelated by EDTA	0.010%
Low in Chloride	





- Complete plant feed for hydroponic systems
- Comes in A+B sets, and is available for SW/HW locations
- Bloom formulation should be used from week 2 of the bloom stage until week 8
- Available in 1L, 5L and 10L bottles
- Bloom dosage rate: 3-4ml/L
- NPK 5.0:4.6:9.8
- Recommended pH: 5.8-6.5
- Now includes EDDHA (increase iron availability) and fulvic acid (aids nutrient uptake)

HW Minimum guaranteed analysis.

Total Nitrogen (N)	5.0%
Ammoniacal Nitrogen (NH ₄)	0.3%
Nitrate Nitrogen (NO ₃)	4.7%
Potassium oxide (K ₂ O)	9.8%
Phosphorus pentoxide (P ₂ O ₅) (water soluble)	4.6%
Calcium oxide (CaO)	2.8%
Magnesium oxide (MgO)	1.3%
Sulphur trioxide (SO ₃)	2.4%
Boron (B)	0.009%
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Copper (Cu) – chelated by EDTA	0.002%
Iron (Fe) – chelated by EDDHA	0.075%
Manganese (Mn) – chelated by EDTA	0.026%
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Nickel (Ni)	0.001%
Zinc (Zn) – chelated by EDTA	0.010%

SW Minimum guaranteed analysis.

Total Nitrogen (N)	5.0%
Ammoniacal Nitrogen (NH ₄)	0.5%
Nitrate Nitrogen (NO ₃)	4.5%
Potassium oxide (K ₂ O)	9.8%
Phosphorus pentoxide (P ₂ O ₅) (water soluble)	4.6%
Calcium oxide (CaO)	3.9%
Magnesium oxide (MgO)	1.7%
Sulphur trioxide (SO ₃)	3.9%
Boron (B)	0.009%
Cobalt (Co)	0.001%
Copper (Cu) – chelated by EDTA	0.002%
Iron (Fe) – chelated by EDDHA	0.075%
Manganese (Mn) – chelated by EDTA	0.026%
Molybdenum (Mo)	0.001%
Nickel (Ni)	0.001%
Zinc (Zn) – chelated by EDTA	0.010%



- Complete plant feed for coco coir media
- Comes in A+B sets, and available for SW/HW locations
- Should be used from week 1 of vegetative stage until bloom week 8
- Available in 1L, 5L and 10L bottles
- Dosage rate:
Young plants = 1-2ml/L
Mature plants = 3-4ml/L
- NPK 5:4:6
- Recommended pH: 5.8-6.5
- Now includes EDDHA (increase iron availability) and fulvic acid (aids nutrient uptake)

HW Minimum guaranteed analysis.

Total Nitrogen (N)	5.0%
Ammoniacal Nitrogen (NH ₄)	0.2%
Nitrate Nitrogen (NO ₃)	4.8%
Potassium oxide (K ₂ O) (water soluble)	6.0%
Phosphorus pentoxide (P ₂ O ₅) (water soluble)	4.0%
Calcium oxide (CaO)	5.6%
Magnesium oxide (MgO)	2.5%
Sulphur trioxide (SO ₂)	3.8%
Boron (B)	0.009%
Copper (Cu) – chelated by EDTA	0.002%
Iron (Fe) – chelated by EDDHA	0.075%
Manganese (Mn) – chelated by EDTA	0.026%
Molybdenum (Mo)	0.001%
Nickel (Ni)	0.001%
Zinc (Zn) – chelated by EDTA	0.010%
Low in Chloride	

SW Minimum guaranteed analysis.

Total Nitrogen (N)	5.0%
Ammoniacal Nitrogen (NH ₄)	0.3%
Nitrate Nitrogen (NO ₃)	4.7%
Potassium oxide (K ₂ O) (water soluble)	6.0%
Phosphorus pentoxide (P ₂ O ₅) (water soluble)	4.0%
Calcium oxide (CaO)	7.0%
Magnesium oxide (MgO)	3.3%
Sulphur trioxide (SO ₂)	8.5%
Boron (B)	0.009%
Copper (Cu) – chelated by EDTA	0.002%
Iron (Fe) – chelated by EDDHA	0.075%
Manganese (Mn) – chelated by EDTA	0.026%
Molybdenum (Mo)	0.001%
Nickel (Ni)	0.001%
Zinc (Zn) – chelated by EDTA	0.010%
Low in Chloride	





- Complete plant feed for soil/ compost type medias
- 1 part feed
- Grow formulation should be used up to the second flowering week
- Available in 1L, 5L and 10L bottles
- Grow dosage rate:
Young plants = 1-2ml/L
Mature = 3-4ml/L
- NPK 4:1:4
- Recommended pH: 5.8-6.5

HW Minimum guaranteed analysis.			
Total Nitrogen (N)	4.0%	Sulphur trioxide (SO ₃)	1.6%
Ammoniacal Nitrogen (NH ₄)	1.4%	Boron (B)	0.004%
Nitrate Nitrogen (NO ₃)	2.6%	Copper (Cu) – chelated by EDTA	0.001%
Potassium oxide(K ₂ O)	4.0%	Iron (Fe) – chelated by EDTA	0.034%
Phosphorus pentoxide(P ₂ O ₅) (water soluble)	1.0%	Manganese (Mn) – chelated by EDTA	0.005%
		Molybdenum (Mo)	0.001%
Magnesium oxide (MgO)	1.0%	Zinc (Zn) Chelated by EDTA	0.005%



- Complete plant feed for soil/compost type medias
- 1 part feed
- Bloom formulation should be used from week 2 of the bloom stage until week 8
- Available in 1L, 5L and 10L bottles
- Bloom dosage rate: 3-4ml/L
- NPK 2:2:4
- Recommended pH: 5.8-6.5

HW Minimum guaranteed analysis.

Total Nitrogen (N)	2.0%	Sulphur trioxide (SO ₃)	2.3%
Ammoniacal Nitrogen (NH ₄)	0.5%	Boron (B)	0.004%
Nitrate Nitrogen (NO ₃)	1.5%	Copper (Cu) – chelated by EDTA	0.001%
Potassium oxide (K ₂ O)	4.0%	Iron (Fe) – chelated by EDTA	0.034%
Phosphorus pentoxide (P ₂ O ₅) (water soluble)	2.0%	Manganese (Mn) – chelated by EDTA	0.005%
		Molybdenum (Mo)	0.001%
Magnesium oxide (MgO)	1.3%	Zinc (Zn) Chelated by EDTA	0.005%





- Helps produce stronger plants, thicker roots and increase resistance to disease
- 1 part feed
- Should be used from week 1 of vegetative stage right until bloom week 8
- Available in 250ml, 1L and 5L bottles
- Dosage rate: 1ml/L

How to use Silicon MAX:

Fresh nutrient mix: add to water and mix before adding main nutrient product.

Topping up nutrient solution: dilute well in water before adding to existing solution.

Vitalink Silicon is strongly alkaline, check pH and adjust using dilute Essentials pH down.

Shake well before use.

Minimum guaranteed analysis

Contains 6% Potassium Silicate





- Formulated for young plants and cuttings
- Contains potassium humate – need to shake before use
- Available in 250ml, 1L and 5L bottles

- Dosage rate:
Pre-soaking propagation = 3-4ml/L
Seedlings/rooted cuttings = 6-8ml/L
- NPK 2:1:1:2.4
- Recommended pH: 5.8-6.5

Minimum guaranteed analysis.

Total Nitrogen (N)	2.0%	Boron (B)	0.006%
Ammoniacal Nitrogen (NH ₄)	0.1%	Copper (Cu) – chelated by EDTA	0.001%
Nitrate Nitrogen (NO ₃)	1.9%	Iron (Fe) – chelated by EDTA	0.045%
Potassium oxide (K ₂ O)	2.4%	Manganese (Mn) – chelated by EDTA	0.007%
Phosphorus pentoxide (P ₂ O ₅) (water soluble)	1.1%	Molybdenum (Mo)	0.001%
Magnesium oxide (MgO)	1.1%	Zinc (Zn) Chelated by EDTA	0.006%
Calcium oxide (CaO)	2.1%	Cobalt (Co)	0.001%
Sulphur trioxide (SO ₃)	1.8%	Nickel (Ni)	0.001%





- Calcium and magnesium supplement important for plant growth and development – once calcium has fixed its position in the plant it can't remobilise
- Can be used for extended vegetative growth in coir media
- Can be added in initial tank mixes in re-circulating hydro systems, or whenever environmental conditions mean calcium might have mobility issues or is in short supply
- Available in 250ml, 1L and 5L bottles
- Dosage rate: 1ml/L
- NPK 2:0:0
- Recommended pH: 5.8-6.5

Minimum guaranteed analysis.	
Total Nitrogen (N)	2.0%
Nitrate Nitrogen (NO ₃)	2.0%
Calcium oxide (CaO)	4.5%
Magnesium oxide (MgO)	1.7%
Sulphur trioxide (SO ₃)	0.6%
Iron (Fe) – chelated by EDDHA	0.45%
Iron (Fe) – chelated by DPTA	0.55%



- Stimulates roots to grow stronger, longer and keeps formation of root hairs high
- Should be used from week 1 of vegetative stage right until bloom week 7
- Available in 250ml, 1L and 5L bottles
- Dosage rate: 1-2ml/L

Ingredients:	
Ascophyllum extract	1.6 %
Plant sugars	0.5 %
Preservatives	





- Improves the plant's nutrient uptake and boosts results
- Should be used from week 1 of vegetative stage right until bloom week 9
- Available in 250ml, 1L and 5L bottles

Dosage rate: Foliar application = 10ml/L as a weekly treatment

Root zone application = 2ml/L use alongside main nutrient



- Low concentrate phosphorus and potassium additive
- Facilitates the blooming of buds and flowers
- Should be used from bloom week 3 until bloom week 8
- Available in 250ml, 1L and 5L bottles
- Dosage rate: up to 1ml/L
- NPK 0:3.5:6

Tip: to give the plant an extra flowering boost; during their peak flowering week use our new product PK for 1 week only. E.g. use Buddy from bloom week 3 until bloom week 5 or 6 then use PK for 1 week, then switch back to buddy again until week 8. **DO NOT MIX BUDDY AND PK TOGETHER AT THE SAME TIME**

Minimum guaranteed analysis.	
Potassium oxide(K ₂ O)	6.0%
Phosphorus pentoxide(P ₂ O ₅) (water soluble)	3.5%
Magnesium oxide (MgO)	0.8%
Sulphur trioxide (SO ₃)	5.8%





- Highly concentrated phosphorus and potassium additive
- PK fertiliser solution containing primary nutrients with sulphate
- Facilitates the blooming of buds and flowers, gives the plant an extra boost during peak flowering period
- Should be used for 1 week only during the plant's peak flowering period (usually bloom week 5 or 6)
- Available in 250ml, 1L and 5L bottles
- Dosage rate: 1ml/L
- NPK 0:13:14
- Tip: use Buddy from bloom week 3 until bloom week 5 or 6, then switch to PK to use for 1 week only, then switch back to Buddy to use until bloom week 8. **DO NOT MIX BUDDY AND PK TOGETHER AT THE SAME TIME**

Minimum guaranteed analysis.

Potassium oxide (K_2O) (water soluble)	14%
Phosphorus pentoxide (P_2O_5) (water soluble)	13%
Sulphur trioxide (SO_3)	0.9%
Low in Chloride	



- Plant bio stimulant that acts to protect against heat stress
- Chill can be used when temperatures may be getting over 30°C
- Available in 250ml and 1L bottles
- Dosage rate: 3-5ml/10L. Always add to fresh solution
- Foliar application: 5ml/L, apply lightly as a fine mist. NEVER spray to run off

DO NOT use with VitalLink Heat. If used with VitalLink Hydrate use half the dose rate of each, failure to follow this instruction may result in plant damage.

Contents:			
Nitrogen	2%	Boron	0.15%
Sulphur	5%	Iron	0.2%
Carbon	1.25%	Zinc	0.5%
Copper	0.05%	Ascophyllum extract (sympathetically extracted to preserve hormones)	5%
Manganese	0.1%	Also contains gibberelins and auxins, betaines, amino acids and vitamin B1.	
Magnesium	0.3%		





- Plant bio stimulant to protect against stress in cold and frosty conditions
- Heat can be used even in temperatures under 5°C
- Available in 250ml and 1L bottles
- Dosage rate: 3-5ml/10L
- Foliar application: 5ml/L, apply lightly as a fine mist. NEVER spray to run off.

DO NOT use with VitaLink Chill. If used with VitaLink Hydrate use half the dose rate of each, failure to follow this instruction may result in plant damage



Contents:

Nitrogen (all ammoniacal)	2%	Betaines	>0.5%
Sulphur (bio active sulphates)	5%	Mg	0.3%
Amino acids (as nat plant extracts)	1.5%	Ca	0.2%
Ascophyllum extract (sympathetically extracted to preserve hormones)	5%	Cu	0.05%
Gibberelins and auxins	>0.25%	Zn	0.5%
Humic acids (soluble)	>1.0%	Mn	0.1%



- Aids the protection of plants against drought conditions
- Helps strengthen the root and facilitates storing sugars
- Available in 250ml and 1L bottles

Dosage:

Low risk situations: 2ml/10L, use with main nutrient

Med risk situations: 4ml/10L, use with main nutrient

High risk situations: 6ml/10L, use with main nutrient

Always add to fresh solution

If used with VitaLink Chill or VitaLink Heat use half their dose rate AND half the dose rate of VitaLink Hydrate

Failure to follow this instruction may result in plant damage

Contents:

Nitrogen (all ammoniacal)	2%	Humic acids (soluble)	>1.0%
Sulphur (bio active sulphates)	5%	Betaines	<0.5%
Lignopolycarboxylates (plant extracts)	1.5%	Mg	0.3%
Carbon (sugars)	1.25%	Ca	0.2%
Amino acids (as natural plant extracts)	1.5%	Cu	0.05%
Ascophyllum extract (sympathetically extracted to preserve hormones)	5%	Zn	0.5%
Gibberelins and auxins	>0.1%	Mn	0.1%





- Calcium rich foliar feed – (spray)
- Helps to get calcium where it is needed as calcium has poor mobility
- Should be used when calcium is in short supply
- Available in 250ml, 1L and 5L bottles
- Dosage rate: 100ml/L weekly – spray under low light intensity or just before your grow lights are due to go off
- Mineral Calcium foliar supplement with fulvic acid

Minimum guaranteed analysis.

Calcium Amino Acid Chelate	0.5%
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- Helps the plant to ripen more evenly and produce increased yield
- Finale is a finishing product, however it still contains a lower concentration of nutrients needed in the flowering stage
- The lower amount of nutrients are provided to ease the plant into the flush stage
- Finale allows the plant to use up nitrate which can effect flavour, and also gives a final flowering push
- Should be used in bloom week 8, 1 week before flushing
- Available in 250ml, 1L and 5L bottles
- Dosage rate: 3-4ml/L
- NPK 0:10.5:7.2 EC fertiliser
- Recommended pH: 5.8-6.5

Minimum guaranteed analysis.

Total Nitrogen (N)	0.0%
Potassium oxide (K ₂ O) (water soluble)	7.2%
Phosphorus pentoxide (P ₂ O ₅) (water soluble)	10.5%
Magnesium oxide (MgO)	4.3%
Sulphur trioxide (SO ₃)	9.6%



Barcodes - Nutrients



Hydro MAX Grow HW 1ltr



Hydro MAX Grow HW 5ltr



Hydro MAX Grow SW 1ltr



Hydro MAX Grow SW 5ltr



Hydro MAX Bloom HW 1ltr



Hydro MAX Bloom HW 5ltr



Hydro MAX Bloom SW 1ltr



Hydro MAX Bloom SW 5ltr



Coir MAX HW 1ltr



Coir MAX HW 5ltr



Coir MAX SW 1ltr



Coir MAX SW 5ltr



Silicon MAX 250ml



Silicon MAX 1ltr



Silicon MAX 5ltr



Plant START 250ml



Plant START 1ltr



Plant START 5ltr



Barcodes - Additives



Silicon MAX 250ml



Root STIM 250ml



Fulvic 250ml



Buddy 250ml



PK 250ml



Silicon MAX 1ltr



Root STIM 1ltr



Fulvic 1ltr



Buddy 1ltr



PK 1ltr



Silicon MAX 5ltr



Root STIM 5ltr



Fulvic 5ltr



Buddy 5ltr



PK 5ltr



Barcodes - Additives



Chill 250ml



Heat 250ml



Hydrate 250ml



Foliar 250ml



Finale 250ml



Chill 1ltr



Heat 1ltr



Hydrate 1ltr



Foliar 1ltr



Finale 1ltr



Foliar 5ltr



Finale 5ltr



Notes

www.VitaLink.eu

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