

## **SICO® FERTILISERS & TAILORMADE FERTILISERS**

### **YOUR PASSPORT TO THE WORLD OF FERTILISERS**

#### **SICO FERTILISERS® : EVERY TIME THE RIGHT SOLUTION !**

We are one of Belgium's leading agricultural producers & suppliers & wholesalers offering a complete portfolio & well known brands of general & specialty fertilisers. We hold Belgian licence nr. ME/159 with our Federal Agency for Safety of the Food Chain (FASFC). **Attention: not all products are available for all countries due to existing agreements.**

### **A) SICO® GENERAL FERTILISERS**

#### **1) Nitrogen Fertilisers**

*The nitrogen (N) element is very important for leaf crops and is the most important element from an environmental point of view. N is also the most important growth and yield factor.*

1.1.1. Ammonium Nitrate Products: Substitution guide

- 1.2.0a. **SICO-ANS** Ammonium Nitrate Sulphate 26%N + 13% S granular (origin EU)
- 1.2.0b. **SICO-ASN** Ammonium Sulphate Nitrate 26%N + 13% S granular complex (origin China)
- 1.2.1. **SICO BOR-ANS** Ammonium Nitrate Sulphate with Boron 26% N + 13%S + 0.3% B
- 1.2.2a **SICO-AMMONIT -L18** Ammonium Nitrate liquid 18% N (w/w)
- 1.2.2b Ammonium Nitrate Solution 51%
- 1.2.4. **SICO DYNATEC DC** NPK 26-0-0 + 32 SO<sub>3</sub> + TE

- TOPSELLER** 1.3.1. **SICO-AS** Crystal Ammonium Sulphate 21% N + 24% S, fertiliser grade, white crystals + sales rationale, TOPQUALITY (also technical and food grades available) (origin EU)
- 1.3.3. **SICO-AS** Gran. Ammonium Sulphate 21% N + 24% S granules, 2 mm (US) and 3 mm (origin EU)
- 1.3.4.b **SICO-AMSUL CR:** Ammonium Sulphate (Caprolactam grade) min. 21% N + 24% S, crystalline (origin China)
- 1.3.5. **SICO-AMSUL GR:** Ammonium Sulphate min. 20.5% N + 23% S, granulated (compacted) (origin China)
- 1.3.5b **SICO-AMSUL GRAN:** Ammonium Sulphate (Caprolactam grade) min. 21% N + 24% S, granular (origin China)

- TOPSELLER** 1.4.0. **CAL-AM-NIT®** Sico brand of Calcium Ammonium Nitrate 27% N (white or brown granular) (origin EU)
- 1.4.1. **CAL-AM-NIT® + 4 MgO**, Calcium Ammonium Nitrate 27% N + 4% MgO (grey granular)
- 1.4.2. Calcium Ammonium Nitrate (CAN) 27% N (white granular) (origin Greece)
- 1.4.3. Calcium Ammonium Nitrate (CAN) 26% N (brownish prilled granular) (origin Turkey)
- 1.4.4. **SICO-CAN** Calcium Ammonium Nitrate 27% N + 6% Ca (white granular) (origin China)
- 1.5.0. **CAL-AM-NIT®:** sales rationale

#### 1.6.0. **SICALNIT® SICO brands of Calcium (Ammonium) Nitrate**

**TOPSELLER** 1.6.1. **SICALNIT EXCEL**, superior soluble grade for horticulture & drip & fertigation, 15.5% N + 26% CaO, granular (origin China). This product exists also under 4 other brands

- 1.6.3.1 **SICALNIT EXCEL-HG**, horticultural grade, Calcium Nitrate, 15.2% N + 27.5% CaO (origin EU)
- 1.6.3.2 **SICALNIT-BOR EXCEL-HG**, horticultural grade, Calcium Nitrate + Boron, 15.1% N + 27% CaO + 0.2% B (origin EU)
- 1.6.4. **SICALNIT-L**, liquid calcium nitrate solution, 8.5% N + 12.5% Ca (= 17% CaO)) (origin EU)
- 1.6.5. **SICALNIT-L PLUS:** liquid calcium nitrate solution containing Magnesium and Micronutrients (origin EU)
- 1.6.7a. **SICALNIT+MAG-HG**, horticultural grade, 13.5% N + 16.5% CaO + 6% MgO (origin EU)
- 1.6.7b. **SICALNIT+MAG+ZINC HG**, horticultural grade, 13.8% N + 19.2% CaO + 4.6% MgO + 0.2% Zn (origin EU)
- 1.6.7c. **SICALNIT+MAG+ZINC HG** horticultural grade nr. 2, 13.2% N + 16.4% CaO + 5.9% MgO + 0.18% Zn + 0.022% Cu (origin EU)
- 1.6.9. **SICALNIT-MAG EXCEL** Calcium Nitrate + Magnesium 13% N + 16% CaO + 6% MgO, white granules (origin China)
- 1.6.10. **Sicalnit-CS Calcium Salt** (Calcium Nitrate Tetrahydrate) White crystalline, fully watersoluble – min. 11.7% N + min. 23% CaO (origin China)
- 1.7.0. Calcium Nitrate 15.5% N, superior water soluble grade (CALCINIT original Yara)  
Calcium Nitrate 15.5% N, agric/strew grade (TROPICOTE original Yara)  
Calcium Nitrate 15.4% N + 0.3% B, strew grade (NITRABOR original Yara)
- 1.7.3. Calcium Nitrate crystals min. 99.0%, 11.70% N + 23.4% CaO (origin China)

1.8.0.2 **SIDONIT** Sodium Nitrate min. 99.3% (origin China)

- 1.9.0. Urea 46%N, prilled + granular (from different origins, depends on our available stocks)
- 1.9.0.1. Urea prilled 46% N, treated with coating (origin EU)
- 1.9.0.2.a Urea prilled 46% N (origin China)
- 1.9.0.2.b Urea prilled 46% N (origin China)

- 1.9.0.3. Urea 46% N, prills or granular (origin China)
- 1.9.1.1 Urea granulated 46% N, 3.2 mm, treated to avoid caking + Granular Urea 46%N (origin EU)
- 1.9.1.2 Urea granular 46% N (origin EU)
- 1.9.1.3 Urea prills 46% N (origin EU)
- 1.9.2. Urea 40% N + 5.6 S: granulated coated urea with Sulphur (origin EU)
- 1.9.3. Urea, technical grade 46% N, prilled, water soluble grade (origin EU)
- 1.9.4. Urea, technical grade 46% N, fine powder, water soluble grade (origin EU)
- 1.9.5. **Urea, technical grade 46% N, microprills**, water soluble grade, also suitable in feeds for ruminants (origin EU)
- 1.9.6a. Urea, technical grade, Low Biuret 46.5 % N (white 1.6mm), max. 0.6% biuret (origin EU)
- 1.9.6b. Urea min. 46% N prills, Low Biuret fully water soluble foliar urea prills, max. 0.8% biuret (origin EU)
- 1.9.10. Sulfur Coated Urea (SCU), slow release urea (by sulfur & wax coating) 34% N (4-5 months), 37% N (3-4 months)
- 1.9.11. Urease inhibitor
- 1.9.12. Ureasol 30% N, liquid urea 30% solution (origin EU)
- 1.9.13. Urea formaldehyde, Slow release urea (by reaction between urea and formaldehyde) (origin EU)

**(Warning: never mix urea with ammonium nitrate holding fertilisers)**

**TOPSELLER** 1.9.14. **SICO-UAS** Blends of granular urea + granular ammonium sulphate

Type 1: 40% N + 5.8% S

Type 2: 38% N + 7.7% S

Type 3: 35% N + 10.6% S

Type 4: 33% N + 12.5% S

Type 5: 38.5% N + 7.2% S + urease inhibitor

**TOPSELLER** 1.9.15. **SICUREA 46N & SICUREA 38N + 7.5S**, granular ureas with urease inhibitor

1.9.16. AdBlue Urea (SCR grade), suitable to produce Urea solution (origin China)

1.9.17. **SICUREA-LBT**, urea technical, Low Biuret Technical Nitrogen water soluble 46% N, max. 0.5% Biuret (white prills) (origin EU)

**NEW!** 1.9.18. **SICOFERT granular NPK 44.0.0 + 1 MgO (Urea + Magnesium) +**

**SICOFERT granular NPK 44.0.0 + 0.5 Zn (Urea + Zinc)**

**NEW!** 1.9.19. **SICOCOTE SUPER A** Coated Controlled Release Urea NPK 43-0-0 (3M longevity) (agriculture)

1.9.20 **SICOCOTE SUPER POP (POP5)** Coated Controlled Release Urea NPK 40-0-0 (10-12M longevity) (plantation oil palms)

1.9.21 **SICOCOTE SUPER PB (PB1)** Coated Controlled Release Urea NPK 41-0-0 (9M longevity) (plantation bananas)

See our SICOCOTE SUPER CRF promo leaflet.

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1.10.0. **NITROMAG®** 21% N + 8% MgO + 9% CaO + 7% SO<sub>3</sub> (granular blend) (origin EU)

1.10.1. **Sico-Mag-Am-Nit** 21% N + 7.5% MgO + 11% CaO (granular blend 35420) (origin EU)

1.10.2. **Sico-Mag-Am-Nit** 26% N + 5% MgO + 7% CaO (granular blend 35431) (origin EU)

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1.11.0. Perika® Calcium Cyanamide, granulated nitrogen fertiliser on the basis of calcium cyanamide with fungicidal and herbicidal properties (origin EU)

1.11.1. Calcium Cyanamide granular min. 21% N (origin China)

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1.12.0. Urean, Ammonium Nitrate urea solution 28% N & 30 % N (origin EU)

1.12.1. **SICO-UAN 30% and 32%**, Urea Ammonium Nitrate Solutions (origin China)

1.12.2. **SICO-UAN 32%**, Urea Ammonium Nitrate Solution – Type 2 (origin China)

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**TOPSELLER** 1.13.1. **SICO-UP 17-44-0 SUPERIOR** Urea Phosphate technical superior water soluble grade (origin China)

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1.14.0. ENTEC 26 N (32.5 SO<sub>3</sub>) (Compo product)

1.15.0. DYNAMON-S Ammonium Nitrate 24% N with 6% Sulphur (widely used in NPK blends) (origin EU)

1.16.0. Ammonium Chloride (with anticaking), 26% N (origin EU)

1.17.0. Magnesium Ammonium Nitrate 26% N + 5 MgO, prilled with anti caking (origin EU)

1.18.0. **SICO-NITROSUL 24% N + 6% S**, granular joined application of nitrogen (N) and sulphur (S), improved ammonium sulphate formula (origin EU)

1.19.0. **SICO-N.A.**, Sico Nitric Acid 38% liquid & Sico Nitric Acid 53% liquid, nitric nitrogen fertilisers

## 2) Phosphate Fertilisers

*The element P<sub>2</sub>O<sub>5</sub> stimulates the growth of the roots and the riping of the fruits.*

2.1.0. Superphosphates GSSP 19 and 21 GTSP 46

2.1.0.1 **SICO-GSSP** Granular Single Superphosphate 19% P<sub>2</sub>O<sub>5</sub> (origin EU)

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**TOPSELLER** 2.2.0.1 **SICO-GTSP46** Granular Triple SuperPhosphate (origin EU)

2.2.0.2 **SICO-GTSP** Granular Triple Superphosphate 45-46% P<sub>2</sub>O<sub>5</sub> (origin EU)

2.2.0.3 **SICO-GTSP 46% Premium** Granular Triple Superphosphate 46% P<sub>2</sub>O<sub>5</sub> + 25% CaO + 5% SO<sub>3</sub> (origin EU)

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2.3.0. **SICOROCK-30** Rock Phosphate: 30% P<sub>2</sub>O<sub>5</sub> powder (origin EU)

2.3.1. **SICOROCK-32** Rock Phosphate: 32% P<sub>2</sub>O<sub>5</sub> powder (origin EU)

2.3.2. Chinese Rockphosphates (RP) & Fused Magnesium Phosphates (FMP)

2.3.3. **SICO-TRICALPHOS** tricalcium phosphate (feed & fertiliser grade) min. 18% P<sub>2</sub>O<sub>5</sub> + 30% Ca (origin China)

2.3.5. **SICO-ROCK 26** Rock Phosphate in powder (origin: China)

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2.5.0. **SICALPHOS DCP 18**, Dicalcium Phosphate 18% P & 21% Ca (for use in animal feed & as fertiliser), white powder or white granular (origin China), TOPQUALITY

- 2.5.1. **SICALPHOS MCP**, Monocalcium Phosphate, 22% P & 13.5-16% Ca (for use in animal feed & as fertiliser) (origin China)
- 2.5.2. **SICALPHOS MDCP**, Monodicalcium Phosphate, 21% P & 15-20% Ca (for use in animal feed & as fertiliser), white granular (origin China)
- 2.5.3. **SICALPHOS MAG**, Magnesium Phosphate, 24% Mg & 14% P (for use in animal feed & as fertiliser) (origin China)

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- 2.6.0. **BIO-SOFTROCK** natural rock phosphate 63-65%, min. 28% P<sub>2</sub>O<sub>5</sub>, min. 43.30% CaO and natural rock phosphate 66-68%, min. 30% P<sub>2</sub>O<sub>5</sub>, min. 50% CaO
- 2.7.0. Calcium Phosphite (CaHPO<sub>3</sub>.1.5H<sub>2</sub>O) min. 90%, min. 43.5% P<sub>2</sub>O min. 43.5% P<sub>2</sub>O white powder, slow release
- 2.8.0. **SICO-SUPERPHOSPHATE** (SSP) 25% P<sub>2</sub>O<sub>5</sub> (origin EU)
- 2.9.0. **SICO-PA 75% and SICO PA 85%** Phosphoric Acid 75% (54% P<sub>2</sub>O<sub>5</sub>) and 85% (61% P<sub>2</sub>O<sub>5</sub>), produced in China, cleared into EU, shipped ex Antwerp, Belgium
- 2.10. **SICO-P.A. 59** Phosphoric Acid 59% min. 42.7% P<sub>2</sub>O<sub>5</sub>, liquid fertiliser grade, origin EU

### 3) Potassium Fertilisers

**The element Potash (K<sub>2</sub>O) favours the reinforcement of the plants and gives them better resistance to diseases and other damaging external factors.**

- 3.1.0. **SICO-GRANUMOP** min. 60% K<sub>2</sub>O, granular Muriate of Potash (Potassium Chloride), agricultural grade (origin Chili, cleared into EU)
- 3.1.1. **SICO-GRANUMOP** min. 60% K<sub>2</sub>O, granular Muriate of Potash (Potassium Chloride) (origin Russia)
- 3.1.2. Muriate of Potash/MOP (Potassium Chloride/KCl) 60% K<sub>2</sub>O: a/ fine grade potash powder (origin EU)  
b/ granular white 2-4 mm (origin EU)
- 3.1.3. Muriate of Potash/MOP (Potassium Chloride/KCl) FINE 60% K<sub>2</sub>O (origin EU)
- 3.1.4. Muriate of Potash/MOP (Potassium Chloride/KCl) DUSTFREE 60% K<sub>2</sub>O (origin EU)
- 3.1.5. **SICO-GRANUMOP** Muriate of Potash/MOP (Potassium Chloride/KCl) GRANULAR 60% K<sub>2</sub>O (origin EU)
- 3.1.6. **SOLUMOP** Muriate of Potash/MOP (Potassium Chloride/KCl) 60% K<sub>2</sub>O: fine crystalline water soluble grade (origin K+S)
- 3.1.7. Muriate of Potash/MOP/KCl, 40% K<sub>2</sub>O + 10% Na, granular
- 3.1.8.2 Potassium Chloride standard grade, crystallised (origin Chili, cleared into the EU)
- 3.1.9. **SICOMOP-FG** Potassium Chloride Fertigation grade (FG), min. 96% purity, 60% K<sub>2</sub>O (origin EU)
- 3.1.10 **SICOMOP-GG** Potassium Chloride Greenhouse grade (GG), min. 99% purity, 62.50% K<sub>2</sub>O (origin EU)
- 3.2.1. **SICO-BIOSOP** Sulphate of Potash/SOP (Potassium Sulphate) standard powder (50% K<sub>2</sub>O, 18% S), max. 1% Cl, permitted for organic farming (origin Germany)
- 3.2.2. **SICO-GRANU BIOSOP** Sulphate of Potash/SOP (Potassium Sulphate) granular (50% K<sub>2</sub>O, 18% S), max. 1% Cl, permitted for organic farming (origin Germany)
- 3.2.4. **SICO-BIOSOP LC** (low chlorine), max. 0.5% Cl, Sulphate of Potash/SOP (Potassium Sulphate) (51% K<sub>2</sub>O, 18% S), permitted for organic farming (origin Germany)

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- 3.2.5.1. **SICO-ORGANOSOP**, organic potassium sulphate powder min. 47% K<sub>2</sub>O
- 3.2.5.2. 'HORTISUL', soluble sulphate of potash/SOP min. 52% K<sub>2</sub>O, suitable for organic agriculture (origin K+S Germany)
- TOPSELLER** 3.2.5.3. **SICO-SOLSOP** SICO's brand of potassium sulphate **superior** water soluble horticultural grade (min. 51% K<sub>2</sub>O, min. 17.5% S) (origin Sweden) **ALSO AVAILABLE UNDER OUR PRIMOSOL-K51 BRAND**
- 3.2.5.4. **SICO-FERTISOP** Potassium Sulphate Fertigade min. 51 % K<sub>2</sub>O (typical 52%) & 17.5% S (typical 18.20%) (origin Sweden)
- 3.2.5.5. **SICO-SSOP**, Potassium Sulphate, standard powder grade min. 50% (typical 50.80%) + min. 17.5% S (typical 18%) + max. 1% Cl (origin Sweden)
- 3.2.6.1. **SICO-SOP STANDARD** Sulphate of Potash min. 50 % K<sub>2</sub>O - standard powder max. 2.5% Cl (origin Belgium)
- 3.2.6.2. **SICO-SOP STANDARD 51** Sulphate of Potash – standard powder min. 51% K<sub>2</sub>O (origin EU)
- TOPSELLER** 3.2.7.1. **SICO-GRANUSOP 50/18** Granular sulphate of potash max. 2.5% Cl for direct application or bulk blending (origin Belgium) *In our opinion the best gran. SOP available on the market today.*
- NEW!** 3.2.7.2. **SICO-GRANUSOP 50/17** Granular sulphate of potash max. 2.5% Cl for direct application or bulk blending (origin EU)
- 3.2.9. **SICO-TOPSOP** Potassium Sulphates (Sulphates of Potash – SOP) (origin China)  
**SICO-TOP-SOLSOP** soluble horticultural grade, 52% K<sub>2</sub>O + 17.5% S  
**SICO-TOP-GRANUSOP** granular agric grade, 50% K<sub>2</sub>O + 17% S  
**SICO-TOPSOP** standard powder agric grade , 50% K<sub>2</sub>O + 17.5% S

- 3.3.1. Potassium Carbonate, technical grade fertilisers (a/ origin EU, b/ origin China)
- 3.3.2. Potassium Carbonate 99%
- 3.4.1. Potassium Hydroxide 90%, flakes (origin EU)
- 3.4.2. **SICO-KOH**, Potassium Hydroxide Flakes 90% (origin China)

### 4) Binary Complex Fertilisers (agricultural and technical grades)

- 4.1.0. **SICO-MKP** Mono Potassium Phosphate (MKP) 0.52.34, water soluble grade (origin EU)

- TOPSELLER** 4.1.1. **SICO-MKP** Mono Potassium Phosphates (MKP) 0.52.34 (origin China) + sales rationale on request  
Type 1 Normal technical grade – hot processed  
Type 2 Superior technical grade – hot processed (low As)  
Type 3 Superior technical grade – PPA process very low H.M.)
- 4.1.1.1 **SICO-MKP** Mono Potassium Phosphate (MKP) 0.52.34, Type 4 technical grade wet processed (low As) min. 99% water soluble fertiliser (China)
- 4.1.2. MKP Mono Potassium Phosphate (MKP) 0.52.34 (origin Belgium)
- 4.1.3. **SICO-SOLU -MKP** Completely water soluble crystalline Mono Potassium Phosphate KH<sub>4</sub>PO<sub>4</sub> ≥ 99.0% (origin Russia)

4.1.4. **SICO-SOLMKP CR:** water soluble Mono Potassium Phosphate 0.52.34 (crystalline), produced in China, cleared into EU, shipped ex Antwerp, Belgium

4.1.5. **SICO-SOLMKP SP:** water soluble Mono Potassium Phosphate 0.52.34 (soluble powder), produced in China, cleared into EU, shipped ex Antwerp, Belgium

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4.2.0. **SICO-GRANUMAP** Mono Ammonium Phosphate (MAP) 11.44.0 agricultural grade (in powder or granules) (origin China)

4.2.1. **SICO-GRANUMAP** Mono Ammonium Phosphate (MAP) 12.52.0 granular, (origin EU)

4.2.2. **SICO-MAP** 12.61.0 Mono Ammonium Phosphate (MAP) water soluble grade min. 99% purity, hot processed TOPQUALITY (fertigation & foliar) (origin EU)

4.2.3. **SICO-MAP** 12.61.0 Application recommendations

4.2.4. **SICO-MAP** 12.61.0 Mono Ammonium Phosphate, min. 99% purity, hot process technical superior soluble grade Type 1 TOPQUALITY (origin China)

4.2.5. **SICO-MAP** 12.61.0 Mono Ammonium Phosphate, hot process soluble grade Type 2 (produced from 85% phosphoric acid and liquid ammonia), TOPQUALITY (origin China)

4.2.6. **SICO-MAP** 12.61.0 Mono Ammonium Phosphate, wet process soluble grade Type 3, (from rock phosphate) min.98% purity

**TOPSELLER** 4.2.6b **SICO-MAP** 12.61.0 Mono Ammonium Phosphate, purified process (with extra low heavy metals) soluble grade Type 4

4.2.7. **SICO-SOLUMAP 12.61.0** Completely water soluble crystalline Mono Ammonium Phosphate  $\text{NH}_4\text{H}_2\text{PO}_4 \geq 99.5\%$  (origin Russia)

4.2.8. **SICO-SOLMAP** 12.61.0 Mono Ammonium Phosphate, technical water soluble fertiliser (origin China)

4.2.9. **SICO-PCMAP** Polymer coated Mono Ammonium Phosphate

4.2.10. **SICO-SOLMAP CR**, water soluble Mono Ammonium Phosphate 12.61.0 (crystalline), produced in China, cleared into EU, shipped ex Antwerp, Belgium

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4.3.1. Di-Ammonium Phosphate (DAP) (18.46.0), granular, (origin Russia)

**TOPSELLER** 4.3.2. **SICO GRANU-DAP** 18.46.0, Di-Ammonium Phosphate (DAP) granular (origin EU)

4.3.3. **SICO GRANU-DAP** 18.46.0, Di-Ammonium Phosphate (DAP) granular (origin China)

**TOPSELLER** 4.3.4. **SICO SOLUDAP** 21.53.0, Di-Ammonium Phosphate (DAP) water soluble (origin China)  
a) Technical fertiliser grade      b) Superior Technical grade (food & feed)

4.3.5. DAP 21.53.0, Horticultural water soluble grade of Di-Ammonium Phosphate (origin EU)

**TOPSELLER** 4.4.6. **SICO-POTASNIT-GG** greenhouse grade Potassium Nitrates (KNO<sub>3</sub>) 13-0-46, IMO5.1, UN1486(origin China)

**NEW!** 4.4.7. **SICO-POTASNIT TG** Potassium Nitrate water soluble crystalline NK 13-0-46 technical grade fertiliser (origin Belgium) (IMO 5.1 – UN 1486)

**NEW!** 4.4.8. **SICO-SOLNOP** Potassium Nitrate water soluble crystalline NK 13.7-0-46.3, TOPQUALITY!

**NEW!** 4.4.9. **SICO GRANUNOP**, Nitrate of Potash & Potassium Nitrate Prills 12-0-46 harmless, not regulated for transport

4.6.0. **SICO DKP** Dipotassium Phosphate (DKP) 0-40-52, water soluble powder (origin China)

4.7.0. UNIKA CALCIUM, Potassium/Calcium Nitrate field grade NK fertiliser 14% N+ 24% K<sub>2</sub>O+ 12% CaO (prills) (original Yara)

4.7.1. **Sicofert Thomas-K** PK 8+15 + 6 MgO + 21 CaO, Blended PK fertiliser with high magnesium (origin EU)

4.8.0.1 **SICO-APP NPK 24-46-0 Ammonium Polyphosphate**, high NP content fully water soluble fertiliser, powder or lumps (origin China)

4.8.0.2 **SICO-APP NPK 18-58-0 and NPK 14-65-0 Ammonium Polyphosphate**, soluble powder fertilisers (origin China)

4.8.0.3 **SICO-APP NPK 17-59.5-0 Ammonium Polyphosphate**, water soluble white crystalline powder or lumps fertiliser (origin China)

4.8.2. **SICO-APP liquid Ammonium Polyphosphate 11% N + 37% P<sub>2</sub>O<sub>5</sub>** (origin China)

4.8.3. **SICO-APP NPK 11-37-0 and NPK 18-58-0 Ammonium Polyphosphates** (origin China)

4.10.0 Mono Potassium Phosphite (K-H<sub>2</sub>PO<sub>3</sub>) min. 98%, NPK 0.58.38 white crystals (origin China)

4.11.0 **SICO AM-NIT-PHOS Ammonium Nitrate Phosphate** 27% N + 16.5% P<sub>2</sub>O<sub>5</sub> (origin China)

4.12.0 **SICO-AMMOPHOS** water soluble mixture of Ammonium Phosphates NPK 19.55.0 (origin Russia)

4.13.0 **SICO-AMMOPHOS** granular Ammonium Phosphates NPK 12.39.0 / NPK 10.33.0 / NPK 10.36.0 (origin Russia)

4.14.0 **SICO-AKP 0.60.20**, Acidic Potassium Phosphate min. 98%, crystalline, water soluble & fertiliser grade (origin China)

## 5) Natural Fertilisers & Others

### a) **MAGNESIUM FERTILISERS**

5.1.0. The importance of Magnesium in plant nutrition. **Survey of the Sico general Magnesium fertilisers range.**

5.1.1. **SICO Kieserite "powder"** (26% MgO, 21% S): High grade magnesium and sulphur fertiliser for the manufacture of compound fertilisers and for straight manual application; ideal for all soil types due to the immediate availability of nutrients regardless of soil pH (origin EU)

5.1.2. **SICO Kieserite "gran."** (25% MgO, 20.8% S): Super granulated magnesium and sulphur fertiliser ideally suited to all types of soils since nutrients are immediately available to the plant regardless of soil pH (origin EU)

5.1.3. **Sico Kieserite** granular 25% MgO + 16.5% S, (origin China)

5.1.4. **Sico Kieserite** powder 27% MgO + 20% S, (origin China)

5.1.5. **Sico Kieserite** powder (27% MgO + 18% S) & granular & color granular (min. 27% MgO + 16% S), TOPQUALITY, (origin China)

**TOPSELLER** 5.1.5.2. **Sico Super Kieserite** granular (NEW superior high grade min. 26% MgO + 20% S), TOPQUALITY (origin China)

5.1.6. **Sico Kieserite Mini** (27.6% MgO + 17.7% S), Magnesium Sulphate Monohydrate (mini-granules 0.1-1mm) (origin EU)

5.1.7. **Sico Kieserite Fine** (27% MgO + 55.5 SO<sub>3</sub>) suitable for use in organic farming (origin EU)

5.1.8. **Sico Kieserite 26 Fine** (26% MgO + 53% SO<sub>3</sub>) (origin EU)

5.2.1. Magnesium Sulphate Heptahydrate (16% MgO, 13% S) (= Epsom Salt Pure): Ideal magnesium and sulphur fertiliser in fertigation and hydroponic systems and for foliar application: dissolves rapidly in water to produce a clear and residue free solution (origin EU)

5.2.2. Magnesium Sulphate "anhydrous" (33% MgO, 26% S): Highly concentrated magnesium and sulphur fertiliser used for manufacture of compound and liquid fertilisers or for straight application in fertigation systems (origin EU)

5.2.3. **SICO-MAG 25**: Sico Magnesium Sulphate 25% MgO + 40% SO<sub>3</sub> (origin EU)

5.2.4.0. **SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO **Grade V** granular (min. 99% purity) and crystalline granular (99.5% purity), unique size 3-5 mm (4.2.4.0) (origin China)

5.2.4.1.a **SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO **Grade I** wet (crystalline) (origin China)

5.2.4.1.b **SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO **Grade II** dry (0.1-1mm). (origin China)

**TOPSELLER** b+d **SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO **Grade III** dry (1-3mm). (origin China)

c **SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO **Grade IV** dry (0.1-1mm or 1-3 mm) (origin China)

5.2.4.0 **SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO **Grade V** granular (min. 99% purity) and crystalline granular (99.5% purity), unique size 3-5 mm (origin China)

5.2.4.2. **SICO-MAG+B**: Magnesium Boron complex fertiliser 30% MgO + 6% B<sub>2</sub>O<sub>3</sub> (origin China)

5.2.4.3. **SICO-MAG-PHOS**: Magnesium Phosphate 35% MgO + 12% P<sub>2</sub>O<sub>5</sub> for use in agriculture and animal nutrition (origin China)

5.2.4.4. **SICO-MAG+B+S**: Magnesium Boron Sulphur complex fertilizer 30% MgO+ 6% B<sub>2</sub>O<sub>3</sub> + 16% S (origin China)

**TOPSELLER** 5.2.5.2 **SICO-MAG 32.8**: Sico Magnesium Sulphate anhydrous 32.8% MgO + 26% S powder and granular (origin China)

5.2.6. **SICO-MAG 23**: Magnesium Sulphate trihydrate min. 22.5% MgO + 18% S, white powder or granular (origin China)

5.2.6.1. **SICO-MAG 27**: Magnesium Sulphate monohydrate min. 99% white powder, fully water soluble fertiliser, min. 27% MgO + 22.5% S (origin China)

5.2.6.2 **SICO-MAG 27 GRAN**: Magnesium Sulphate monohydrate min. 99% white granular, fully water soluble fertiliser, min. 27% MgO + 22.5% S (origin China)

5.2.8. EPSO MICROTOP® 15% MgO + 31% SO<sub>3</sub> + 0.9% B + 1% Mn, for vegetables, potatoes and sugarbeet (original K+S)

5.2.9. EPSO COMBITOP® 13% MgO + 34% SO<sub>3</sub> + 4% Mn + 1% Zn for serious cereal and maize crops (original K+S)

**TOPSELLER** 5.2.10. **SICO-CARBOMAG**, granular Magnesium Carbonate Type 1: min. 42.73% MgO, Type 2: min. 44% MgO (origin China)

**TOPSELLER** 5.3.1. **POTMAG 30/10/17** (30% K<sub>2</sub>O, 10% MgO, 17% S): Granular Potash fertiliser enriched with magnesium. Low chlor. Particularly suitable for crops sensitive to chlorine and with a distinct magnesium demand granular. (origin EU)

5.3.1.1. **POTMAG 30/10/18** (30% K<sub>2</sub>O, 10% MgO, 18% S): Granular blended sulphate of potash containing Magnesium Salt with S (low chlor) (origin EU)

5.3.1.2. **POTMAG SUPER 30/10/17** Complex Granular Sulphate of potash containing Magnesium Salt with S (30% K<sub>2</sub>O, 10% MgO, 17% S) for chloride and salt-sensitive crops (origin EU)

**TOPSELLER** 5.3.2. **POTMAG 40/6/4/12.5** Granular (40% K<sub>2</sub>O, 6% MgO, 4% Na<sub>2</sub>O, 12.5% SO<sub>3</sub>): Potassium Chloride containing potassium, magnesium, sulphur and sodium in an optimal ratio. (origin EU)

5.3.3. **POTMAG 11/5/4/20** (11% K<sub>2</sub>O, 5% MgO, 4% S, 20% Na) Crude potash salt with Mg, Na and S:

The ideal fertiliser for pastures and meadows, optimizing the nutrient content of herbage and thus improving palatability and livestock health; applied to sugar beet to satisfy the sodium demand - granular. (origin EU)

5.3.4. **POTMAG 11% K<sub>2</sub>O, 5% MgO, 27% Na<sub>2</sub>O, 10% SO<sub>3</sub>**: Crude potash salt with Na, Mg and S, granular. Ideal fertiliser for sugarbeets & grasslands as addition to animal manure. (origin EU)

5.3.5. **POTMAG-SOL 33.4% K<sub>2</sub>O, 11% MgO, 21% SO<sub>3</sub>** with CTE (chelated trace elements), high performance (HP) NPK 0-0-33 fully water soluble crystalline powder (origin EU)

5.3.6. **SICO-KMS** Natural Potassium (K) Magnesium (M) Sulphate (S) 25% K<sub>2</sub>O + 7% Mg (= 11.6% MgO) + 16% S (origin China)

5.4.1. **SICO-MAGOX range of Magnesium Oxides**

a) Origin China

5.4.1.1 **SICO-MAGOX 80** Magnesium Oxide 80% powder (200 mesh) or granular (0.3 – 2 mm)

5.4.1.2 **SICO-MAGOX 90P** Powder Magnesium Oxide 90% MgO

5.4.1.3 **SICO-MAGOX 65G** Granular Magnesium Oxide 65% MgO

b) Origin E.U.

5.4.1.4 **SICO-MAGOX -P78** Natural Caustic calcined magnesite min. 78% MgO powder

5.4.1.5 **SICO-MAGOX -G80** Natural Caustic calcined magnesite min. 80% MgO granular

5.4.1.6 **SICO-MAGOX 65**, Granular Magnesium Oxide 65% MgO (origin EU)

5.5.0. Soft Burned Dolomite, Calcium and Magnesium Oxide CaO: 58.5% - MgO 39.5%

5.10.0.0 **Sico-Magnit Granular**: Magnesium Nitrate Hexahydrate water soluble (granular) min. 10.8% N + 15.4% MgO (origin China)

**TOPSELLER** 5.10.0b **Sico-Magnit Crystals**: Magnesium Nitrate hexahydrate water soluble, white crystals 10.7% N + 15% MgO (origin China)

5.10.1. **Sico-Magnit Flakes or Crystals or Granular**: Magnesium Nitrate, flakes (10.6% N + 15% MgO) soluble fertiliser (origin China)

**TOPSELLER** 5.10.1.1 **Sico-Magnit Prills**: Magnesium Nitrate Hexahydrate water soluble, prills (10.8% N + 15.4% MgO) (origin China)

**TOPSELLER** 5.10.3. **Sico-Magnit-Sol Super**: superior Magnesium Nitrate solution with high Mg and nitrogen contents (origin EU)

5.10.4. **Sico-Magnit HG**: Magnesium Nitrate Horticultural grade (10.5% N + 15.6% MgO) unique pastille/flakes form (origin EU)

5.10.5. **Sico-Magnecal HG**: Horticultural grade of Calcium Ammonium Nitrate + Magnesium Nitrate derivative (13.5% N + 16.5% CaO + 6% MgO), in unique pastille form, fully water soluble (origin EU)

- 5.10.6. **SICOMAG based granular high-tech fertilisers (with special properties) (origin China)**
- 5.10.6.1 **SICOMAG-DUO**, 35% MgO + 14% S in a single granule (2-4 mm) + Sales Rationale
- 5.10.6.2 **SICOMAG-HI**, 50% MgO + 10% S in a single granule (2-4 mm)
- 5.10.6.3 **SICOMAG+B**, 40% MgO + 11% B<sub>2</sub>O<sub>3</sub> in a single granule (2-4.5 mm)
- 5.10.6.4 **SICOMAG+Cu**, Type 1: 40% MgO + 5% Cu in a single granule (2-4 mm),  
Type 2: 53% MgO + 0.9% Cu in a single granule (2-4 mm)
- 5.10.6.5 **SICOMAG+Zn**, 40% MgO + 5% Zn in a single granule (2-4 mm)
- 5.10.6.6 **SICOMAG+TE**, 40% MgO + Trace elements in a single granule (2-4 mm), constantly supplies Magnesium and trace elements during 6 months!
- 5.10.6.7. **SICOMAG-SKYHI**, 60% MgO in a single granule (2-4 mm). Natural slow release anti-leaching Mg fertiliser + Sales Rationale

- TOPSELLER** 5.10.8. **SICO-MAGCAL** Calcium Magnesium Nitrate fertilisers flakes (11%N + 11.5% MgO + 6.5% CaO ) and **SICO-MAGCAL** Calcium Magnesium Nitrate fertilisers granular (13%N + 6% MgO + 16% CaO + 0.3% B) (origin China)

b) **DOLOMITES**

- 5.11.1. **Sico Dolomites & Calcium fertilisers and Lime fertilisers:** Survey and General Remarks (ABV etc).
- 5.11.2. Raw Dolomite Powder. Available in different grain sizes. (origin EU)
- 5.11.3. Calcareous Dolomite (Dolomite calcaire) Type 55-40S (55% CaCO<sub>3</sub> + 40% MgCO<sub>3</sub>) (powder) (origin EU)
- 5.11.4. **Sico-Dolomite** granulated dolomite min. 18.5% MgO + 31% CaO (origin China)
- 5.11.4b **Sico-Dolomite** granular dolomite 50% CaO + 1% MgO (origin EU)
- TOPSELLER** 5.11.5. **Sico-Granudol 90** granulated dolomite 60% CaCO<sub>3</sub> + 30% MgCO<sub>3</sub> (= 33.9% CaO + 15.1% MgO) (origin EU)
- 5.11.6. **Sico-Granudol 95** granulated dolomite 53% CaCO<sub>3</sub> + 42% MgCO<sub>3</sub> (= 30% CaO + 20% MgO) (origin EU)
- 5.11.7. **Sicodol 94-P** (powder) Calcium/Magnesium carbonate (Ca, Mg) CO<sub>3</sub>, 84% CaCO<sub>3</sub> + 10% MgCO<sub>3</sub> (= 47.04% CaO + 4.78% MgO) (origin EU)
- 5.11.8. **Sicodol Natural Dolomite 0-2 mm** double calcium carbonate and magnesium natural granulated (origin Tunisia)
- 5.11.9. **Sicodol** 54% CaCO<sub>3</sub> + 44% MgCO<sub>3</sub> (= 30.24% CaO + 21.03% MgO), small granules (Dolomite of natural origin) (origin EU)

c) **CALCIUM FERTILISERS & LIME FERTILISERS**

- 5.13.0. **SICO Calcium Chlorides:** Calcium Chloride solid 77% technical and foodgrades, various liquid technical and foodgrades (50/40/37/36/34/33/28/16% liquids) and 94% powder or minigranules: as Calcium source in agriculture and animal feed etc. (origin China)
- 5.13.0.b SICO Calcium Chloride 74% flakes (origin China)
- 5.13.1. **BL 50:** Micronized Calcium Carbonate (98.96% CaCO<sub>3</sub> + 0.59% MgCO<sub>3</sub>) (origin EU)
- 5.13.2.1 Hydrated lime (fine dry white powder for soil neutralisation)
- 5.13.2.2 **SICOCALCO FRUIT:** Special hydrated lime for fruit and vegetable conservation in cold storage
- 5.13.3. **SICOKAL MICRO:** Natural Micronised Calcium Sulphate Dihydrate 95-97% (31% CaO, 44% SO<sub>3</sub>)
- TOPSELLER** 5.13.4.1. **SICO-GYPSUM PLUS**, granulated calcium fertiliser 45% CaO + 35% SO<sub>3</sub>
- 5.13.4.2. **HYDRATED AGRICULTURAL GYPSUM & GROSS AGRICULTURAL GYPSUM** (origin EU)
- 5.13.6. **HYDRO-CAL®:** 100% soluble source of Calcium: Removes undesirable salts from fields & irrigation water
- 5.13.7. Calcium Carbonate 98.5% CaCO<sub>3</sub>, milled 0.1-2 mm
- NEW!** 5.13.8. **SICOKAL**, 100% natural slow release prilled lime fertiliser
- 5.13.8b **SICOKAL**, sales rationale
- 5.13.9. **SULFACAL**, Calcium sulphate dehydrate 32.1% CaO+ 44.7% SO<sub>3</sub>+ 1.1% MgO. Fine high purity gypsum mineral
- NEW!** 5.13.10. **SICO-GRANUDOL** (1.6-5.6 mm) & **SICO-GRANUDOL SPECIAL** (2.2-5 mm), natural (granulated) garden limes with magnesium, 60% CaCO<sub>3</sub> + 30% MgCO<sub>3</sub>
- 5.13.11. **Calcium Carbonates** = CAL lime fertilisers (origin EU)
- 5.13.12. **Calcium Cyanamide:** Granular nitrogen fertiliser with fungicidal and herbicidal properties (origin EU)
- 5.13.13. **SICO-Cal Calcium Amendment** 50% CaO + 1% MgO, granular 2-5 mm

d) **IRON FERTILISERS**

- 5.14.2. Ferrous Sulphate Heptahydrate 20% Fe (**SICOFER-20**) crystals or granules (origin China)
- 5.14.3. Ferrous Sulphate Monohydrate 30% Fe (**SICOFER-30**) powder and fine granular (origin China)
- 5.14.4. Ferrous Sulphate Heptahydrate 18% Fe, crystalline, in 1000 kg big bags only (origin EU)
- 5.14.5. Ferrous Sulphate Heptahydrate 20% Fe (**SICOFER-20**), free flowing granules (origin EU)
- 5.14.6. Ferrous Sulphate Monohydrate 30% Fe (**SICOFER-30**), granular and powder (origin EU)

e) **ZINC FERTILISERS**

- 5.15.2 **SICO-ZINIT 42** Zinc Nitrate 42% liquid (6.2% N + 14.50% Zn) (IMO 9 - UN 3082) (origin EU)
- 5.16.2. **SICO-ZINC**, Zinc Sulphate monohydrate min. 35% Zn white powder (35P) or white granular 33 or 35% Zn (33G or 35G) fine 0.25-0.85mm or coarse 1-2mm and 2-4mm (origin China)
- 5.16.3. **SICO-ZINC**, Zinc Sulphate heptahydrate, min. 22% Zn white crystals (origin China)
- 5.16.4.2 **SICO-ZINC**, Zinc Sulphate heptahydrate, min. 21% Zn + 10.5% S granular (origin China)
- 5.16.5. **SICO-ZINC-L** Zinc Sulphate 27.2% (11% Zn w/w) liquid
- 5.16.7. **Sico-Zinc** Sulphate monohydrate white gran 32.5% (origin China)
- 5.16.8. Zinc Sulphate 35% Zn feedgrade (origin EU)

f) **BORON FERTILISERS**

- 5.17.1.1 **SICOBOR DF 18% B Granular**, micro-granular Sodium Pentaborate Decahydrate min. 18% B  
**TOPSELLER** 5.17.1.2 **SICOBOR min. 20.5% B** water soluble powder for on soil and foliar application (origin South America)  
5.17.1.3 **SICOBOR B21 (DOT)** 21% soluble Boron, Disodium Octoborate Tetrahydrate (67.5% B<sub>2</sub>O<sub>3</sub>)  
(origin South America)  
5.17.1.4 **SICOBOR B18 (SPD)** soluble Boron B18%, Sodium Pentaborate Decahydrate (58% B<sub>2</sub>O<sub>3</sub>) (origin South America)  
5.17.2.1 **SICO BORAX (DTD)** Borax Decahydrate gran, Disodium Tetraborate Decahydrate (36.6% B<sub>2</sub>O<sub>3</sub>)  
(origin South America)  
5.17.2.2 **SICO BORAX-10**, Borax Decahydrate granular 99.5% T, min. 37.5% B<sub>2</sub>O<sub>3</sub> (origin South America)  
5.17.2.3 Borax Pentahydrate min. 47.8% (typical 48.5%) B<sub>2</sub>O<sub>3</sub> (granular) (origin South America)  
5.17.2.3b Borax Pentahydrate typical 47.8% B<sub>2</sub>O<sub>3</sub> crystalline (origin South America)  
5.17.2.4 Borax Decahydrate min. 36.5% B<sub>2</sub>O<sub>3</sub> (granular), purity min. 99.5% (origin South America)  
5.17.3b Boric Acid granular & powder technical 99.9% (min. 56.25% B<sub>2</sub>O<sub>3</sub>) (origin South America)  
5.17.4. **SICO-SOLBOR B21**, Soluble Boron 21% Disodium Octoborate Tetrahydrate (DOT) Na<sub>2</sub>B<sub>8</sub>O<sub>13</sub>·4H<sub>2</sub>O  
(origin Argentina)  
5.17.7.0 **BORON-B 10% MIX**, natural milled hydroboracite (origin Argentina)  
5.17.7.1 **BORON-B 10%** granular 2-4 mm hydroboracite natural granular (origin Argentina)  
5.17.13. **BORON-B 10% FG 4-8mm, Forestry Grade**, natural milled 'Hydroboracite' (origin Argentina)  
5.17.14. **HYDROBORACITE F NT**, natural milled 'Hydroboracite' (origin Argentina)  
5.17.19. **Hydroboracite NP A6E** Natural powder 'Hydroboracite' in the form of calcium & magnesium borate  
(origin Argentina)  
5.17.8.2 Hydroboracite information sheet (origin Argentina) (Sales Rationale Borates)  
5.17.7.2 Granulated Ulexite Boron 10% B (2-4 mm) (origin Argentina)  
5.17.7.3 Granulated Ulexite Boron 15% B (2-5 mm) (origin Argentina)  
5.17.9. **BOROGRAN-B 14%** Sodium borate granulated fertiliser (origin Argentina)  
5.17.10. **BOROGRAN-B 15%** Sodium borate granulated fertiliser (origin Argentina)  
5.17.11. **SICOBORON-B 12.40%** High boron granular (2-4 mm) fertiliser with unique properties & technology  
(origin China)  
5.17.12. **SICOBORON-B 12.40%** (sales rationale)  
5.17.15. Ulexite fine powders, natural ulexite 10% B and calcined ulexite 15% B (mesh #18, #100, #325) (origin Chili)  
**TOPSELLER** 5.17.16. **SICO-Ulexite** (powder) double sodium-calcium borate (origin Chili)  
5.17.18. **Colemanite Boron 11% B** Natural Milled Boron, in the form of calcium hexaborate pentahydrate  
(origin Argentina)  
5.17.20. **SICOBOR + H.A.** 29% B<sub>2</sub>O<sub>3</sub> + 10% CaO + 2% MgO + 10% Humic Acids granular boron (origin China)

g) **COPPER FERTILISERS**

- 5.18.0. Copper sulphate pentahydrate 25% Cu, blue powder or crystals (origin China)  
5.18.1. **SICO-COP**, Copper Sulphates Penta- and Monohydrate feedgrade (FG) + agricultural grade (AG) + industrial grade  
(IG) (origin China)  
5.18.2. **SICOCOPPER-L**, Copper Sulphate 11.3% (4.5% Cu w/w) (origin EU)  
5.18.3. **PREMIUM QUALITY COPPER SULPHATES** (origin Russia)  
5.18.4. **SICO-COP** Copper Sulphate Pentahydrate 25% (origin EU) – survey of different types.

h) **MANGANESE FERTILISERS**

- 5.34. Manganese Carbonate normal grade, MnCO<sub>3</sub> (origin EU)  
5.19.0. Manganese Carbonate 43% Mn powder (origin China)  
**TOPSELLER** 5.19.1.1 Manganese Sulphate Monohydrate 31-32% Mn (powder/fine granular (0.25 - 0.85 mm)/coarse granular (2 - 4 mm)  
(origin China)  
**TOPSELLER** 5.19.1.2 Manganese Sulphate Monohydrate 32% Mn powder (origin China)  
5.19.2. Manganese Nitrate 47% (15% w/w Mn), liquid (origin EU)  
5.19.3. Manganese Sulphate 32.2% (11.7% w/w Mn), liquid (origin EU)

i) **OTHERS**

- 5.20.0. Potassium Hydroxide 90% KOH Flakes, used in formulation of fertilisers in solution (origin EU)  
5.22.0. **SICO-Mo 39.5 Mo** Sodium Molybdate 39.5% Mo, technical grade (origin EU)  
5.23.0. Ammonium Dimolybdate 56.3% Mo (crystals) (origin EU)  
5.25.0. Barium Selenate (Se min. 28/29%) (origin EU)  
5.26.0. Nitric acid 40dgr. Bé (60% NHO<sub>3</sub>) and 42dgr. Bé (68% NHO<sub>3</sub>) (origin EU)  
**TOPSELLER** 5.27.0. **SICOPHOS-L 59**, Phosphoric acid 59% H<sub>3</sub>PO<sub>4</sub> (50-55% P<sub>2</sub>O<sub>5</sub>). Wet process acid, esp. used in horticulture  
(also 85% and 75% available) (origin EU)  
5.27.1. Vermiculite: Silicate of magnesium and alumina with 10% water content in its crystalline form (origin EU)  
5.28.0. Perlite: Silicate of alumina, used in agri & horticulture.  
5.28.1. Perlite-Substrate: used in horticulture since 1952! Retains large amounts of water, some of it promptly  
available for absorption by the plants.  
5.28.2. **SICO SUBSTRATE-PERLITE**  
**TOPSELLER** 5.29.1. **SICO-CalMagNit**, Calcium Magnesium Nitrate (CMN) 13.6%N + 6% MgO + 16% CaO (origin China),  
**SICO-CalMagNit + CuB**, Calcium Magnesium Nitrate (CMN) 13.6%N + 5% MgO + 17% CaO + Cu + B  
(origin China),  
**SICO-CalMagNit + K**, Calcium Magnesium Nitrate (CMN) 13.5%N + 4.5% MgO + 12.5% CaO + 10% K<sub>2</sub>O  
(origin China)  
**TOPSELLER** 5.30.0. **SICO-COMBISULPHATE™** 14% K<sub>2</sub>O + 6% MgO + 17% CaO + 48% SO<sub>3</sub> (origin EU)  
-> ask sales rationale + literature for use on different crops

- 5.31.0. BIO-PHYTO CHEMICALS and INORGANIC MATERIALS (origin China)  
(EDTA's/Nitrates/Phosphates/Sulphates/Carbonates/Acetates/Citrates/Formates)
- 5.33.1. **Sico Bentonite** (origin China)
- 5.33.2. Bentonite 120 (origin EU)
- 5.33.3. Sodium activated special bentonites Agro 60 and Agro 200 (origin EU)
- 5.35. **SICO-FMP, fused Magnesium Phosphate**, natural fertiliser with 18 or 20% P<sub>2</sub>O<sub>5</sub> + 30% CaO + 27% SO<sub>2</sub> + 12% MgO (origin China)
- 5.36. ACTI-CaM, activated Ca + Mg, gran. basal fertiliser with 30% CaO + 15% MgO + 2% trace elements (origin China)
- 5.37. **SICOSLOW DMPP** Nitrification Inhibitor DMPP
- 5.38. **SICOSLOW NBPT** Urease Inhibitor NBPT

## **B) SICOFERT® GRANULAR NP & PK & NK & NPK FERTILISERS**

We offer both *chemically complex* as well as *tailor-made SICO-GRAN\* granular blends* of the highest quality and tailor-made *granular bulk blends* (dry mixed fertilisers) See our promo-leaflet.

100% MOP based (C) or 100% SOP based (LC) or 50/50 MOP/SOP based (C/LC)

Remark: C = chlorholding, MOP based – LC = low chlor, SOP based – LC/C = SOP/MOP based.

You ask us a certain composition in N - P - K, possibly with trace elements and we calculate for you the best quality at the sharpest price. (for all kinds of crops = bananas, oil palm trees, cotton, vegetables, tobacco, rice, tea, maize etc.)

For most formulas min. quantity is only 1 x 20ft container.

**Many of our Sicofert NP, PK, NK, NPK fertilisers are ideal to be used as blend component.**

\* **Promotional introduction**

\* **Introductory Notice**

\* **Tailor-made SICO-GRAN based granular NPK blends: Sales Rationale**

\* **Chemical conversion factors (as laid down in the E.C. regulations)**

**1) SICOFERT® granular complex NP fertilisers:** Some examples of standard available formulas are:

- NP 12+27 + 2 MgO + 25 SO<sub>3</sub>
- NP 12+27 + 2.2 MgO + 26 SO<sub>3</sub>
- NP 12+30 + 10 SO<sub>3</sub> + 0.2 Zn
- NP 15+10 + 5 MgO + 26 SO<sub>3</sub> + 0.05 B
- NP 15+25 + 11 SO<sub>3</sub> + 0.2 Zn
- NP 18+26 + 10 SO<sub>3</sub> + 0.2 Zn
- NP 20+16 + 4 MgO + 18 SO<sub>3</sub>
- NP 20+20 + 5 SO<sub>3</sub>
- NP 20+20 + 35 SO<sub>3</sub>
- NP 20+24 + 8 SO<sub>3</sub>
- NP 24+6 + 20 SO<sub>3</sub>
- NP 26+7 + 9.5 SO<sub>3</sub> (esp. used to replace Ammonium Nitrate granular 33.5% N)
- NP 26+14

**2) SICOFERT® granular complex NK fertilisers:**

- NK 14+24 + 2 MgO + 25 SO<sub>3</sub>
- NK 15+20 + 5 MgO + 19 SO<sub>3</sub> + TE

**3) SICOFERT® granular complex PK fertilisers, some with MgO:**

- PK 7+30 + 3 MgO + 15 SO<sub>3</sub>
- PK 8+15 + 6 MgO + 21 CaO **Sicofert Thomas-K nr. 1** (complex or blended)
- PK 8+15 + 6 MgO + 26 CaO + 18 SO<sub>3</sub> **Sicofert Thomas-K nr. 2** (blended)
- PK 10+30
- PK 10+30 + 6 MgO
- PK 11+12 + 5 MgO + 25 CaO + 2.3 Na<sub>2</sub>O + 5 SO<sub>3</sub>, in powder (for manual broadcasting only) (LC)
- PK 15+21 + 27% CaO, complex granular PK fertiliser on basis of soft natural phosphate (only in 600 kg big bags)
- PK 15+30 + 10 SO<sub>3</sub>
- PK 19+19 + 16 SO<sub>3</sub>
- PK 20+20
- PK 20+25
- PK 20+30
- PK 21+12 + 31% CaO, complex granular PK fertiliser on basis of soft natural phosphate
- PK 25+25
- PK 32+16

**4) SICOFERT® special P fertilisers:**

- P7 + 32 Na<sub>2</sub>O + 14 SO<sub>3</sub>
- P10 + 22 MgO + 27 SO<sub>3</sub>

**5) Ternary "SICOFERT®" granular complex NPK Fertilisers (also TAILORMADE & A-LA-CARTE PRODUCTION, also with Magnesium):**

Attention! Not all formulas are regularly produced or stocked.

## **A. MOP based, Chlorine holding (C)**

- 5.10.30 + 17 SO<sub>3</sub>



7.11.4 + 4 MgO + 4 Na<sub>2</sub>O + 15 SO<sub>3</sub> + Cu + Zn

8.20.30 + 5 SO<sub>3</sub>

8.24.24

9.20.20 + 7 SO<sub>3</sub>

10.7.17 + 3 MgO + 18 SO<sub>3</sub> + TE

10.8.5 + 3 MgO + 25 SO<sub>3</sub>

10.8.12 + 3 MgO + 20 SO<sub>3</sub>

10.8.15 + 3 MgO + 18 SO<sub>3</sub> + Cu + Zn

10.10.20

10.26.26 + 5 SO<sub>3</sub>

11.6.25 + 4 MgO + 10.3 SO<sub>3</sub> **Sicofert Banana**

11.11.24 + 2 MgO + 8 SO<sub>3</sub> + TE

12.6.6 + 3 MgO + 28 SO<sub>3</sub>

12.6.18 + 19.5 SO<sub>3</sub>

12.6.18 + 3 MgO + 19 SO<sub>3</sub>

12.6.20 + 3 MgO + 3 Na<sub>2</sub>O + 17 SO<sub>3</sub> + 0.1 B

12.6.20 + 3 MgO + 19 SO<sub>3</sub>

12.6.22 + 19 SO<sub>3</sub>

12.7.17 + 22 SO<sub>3</sub> + 0.1 Zn

12.7.17 + 2 MgO + 16.5 SO<sub>3</sub>

12.9.18 + 3 MgO + 18 SO<sub>3</sub>

12.11.18

12.12.17 + 2 MgO + 15 SO<sub>3</sub> (greyish & whitish color)

**TOPSELLER** 12.12.17 + 2 MgO + 8 SO<sub>3</sub> + 0.1 B (blue color)

12.20.12 (beige color)

12.22.10 + 3 MgO + 10 SO<sub>3</sub>

**TOPSELLER** 12.24.12 + 9 SO<sub>3</sub> (greyish color)

13.6.23 + 15 SO<sub>3</sub>

13.10.20 + 7.5 SO<sub>3</sub>

13.10.21 + 2 MgO + 11 SO<sub>3</sub>

13.10.23 + 14 SO<sub>3</sub>

14.10.20 + 13 SO<sub>3</sub>

14.10.20 + 15 SO<sub>3</sub>

14.14.14 + 2 MgO

15.5.10 + 30 SO<sub>3</sub> (greyish color)

15.6.10 + 24 SO<sub>3</sub>

15.7.15 + 21 SO<sub>3</sub>

15.7.15 + 3 MgO + 21 SO<sub>3</sub>

15.8.11 + 20 SO<sub>3</sub>

15.12.10 + 3 MgO + 18 SO<sub>3</sub>

15.12.24

15.15.15 + 26 SO<sub>3</sub>

15.15.15 + 5 SO<sub>3</sub> Formula nr. 1 (pink color)

15.15.15 + 7 SO<sub>3</sub> Formula nr. 2 (grey/whitish or red/brownish color)

15.15.15 + 14 SO<sub>3</sub> Formula nr. 3

**TOPSELLER** 15.15.15 + 15 SO<sub>3</sub> Formula nr. 4A (greyish & whitish color)

15.15.15 + 15 SO<sub>3</sub> Formula nr. 4B (reddish color)

15.15.15 + 27.5 SO<sub>3</sub> Formula nr. 7bis (whitish/greyish color)

16.6.22 + 18 SO<sub>3</sub>

16.7.13 + 21 SO<sub>3</sub>

16.15.10 + 15.7 SO<sub>3</sub>

16.16.16 + 8 SO<sub>3</sub>

**TOPSELLER** 17.17.17 (whitish/grey color)

18.6.5 + 4 MgO + 20 SO<sub>3</sub>

20.6.9 + 11 SO<sub>3</sub>

20.10.10 + 7.5 SO<sub>3</sub>

**TOPSELLER** 20.10.10 + 9 SO<sub>3</sub>

**TOPSELLER** 21.5.5 + 3 MgO + 17 SO<sub>3</sub> **Sicofert Tea**

**TOPSELLER** 22.6.12 + 0.6 MgO + 10 SO<sub>3</sub> + B + Mo + Zn **Sicofert Coffee**

### B. SOP based, Low Chlorine (L.C.) and SOP/MOP based (L.C./C.)

2.11.22 + 4 MgO + 25 SO<sub>3</sub> + TE

7.14.28 + 25 SO<sub>3</sub>

9.7.14 + 3 MgO + 22 SO<sub>3</sub>

10.8.16 + 3 MgO + 27 SO<sub>3</sub> (ideal for open air vegetables and grass lawns)

10.10.20 + 2 MgO + 27 SO<sub>3</sub> + TE

10.18.24 + 20.5 SO<sub>3</sub> + 0.1 B

10.18.24 + 0.5 MgO + 17.50 SO<sub>3</sub> + 0.12 B

10.20.20 + 2 MgO + 17 SO<sub>3</sub> + B + Zn

10.25.12 + 2 MgO + 15 SO<sub>3</sub> + 0.1 B + 0.2 Zn

12.5.18 + 3 MgO + 36 SO<sub>3</sub> + 0.1 B + 0.1 Zn

12.5.18 + 5 MgO + 35 SO<sub>3</sub>

12.6.22 + 18 SO<sub>3</sub>  
 12.6.23 + 25 SO<sub>3</sub>  
 12.7.17 + 2 MgO + 22.50 SO<sub>3</sub>  
 12.10.18 + 25 SO<sub>3</sub>  
 12.11.18 + 2.7 MgO + 20 SO<sub>3</sub> + B + Fe + Mn + Zn **Sicofert Grower**  
 12.12.17 + 2 MgO + 20 SO<sub>3</sub> + 0.02 B + 0.01 Zn (LC/C)  
 12.12.17 + 2 MgO + 30 SO<sub>3</sub> + TE **Sicofert Grey Granule**  
 13.6.18 + 3.3 MgO + 27.5 SO<sub>3</sub> + 0.1 B  
 13.6.24 + 25 SO<sub>3</sub>  
 14.14.14 + 29 SO<sub>3</sub>  
 15.0.20 + 5 MgO + 19 SO<sub>3</sub> + B + Fe + Mo + Zn  
 15.15.15 + 12.50 SO<sub>3</sub>  
**TOPSELLER** 15.15.15 + 15 SO<sub>3</sub> (Type 1)  
 15.15.15 + 19 SO<sub>3</sub> (Type 2)  
 16.10.17 + 3 MgO + 13 SO<sub>3</sub> + TE  
 16.40.6  
 20.10.10 + 18 SO<sub>3</sub>

**6) SICOFERT® Granular Complex COLORED NPK's with Magnesium, high sulphur and trace elements for Horticulture & Nurseries & Flowers & Fruit trees & Ornamentals (low chlor, SOP based)**

*Ideal for chloride-sensitive crops with Magnesium and packages of trace elements*

**TOPSELLER Sicofert® Blue Granule NPK 12.12.17 + 2 MgO + 24.4 SO<sub>3</sub> + TE** (blue granules)

**TOPSELLER Sicofert® Green Granule NPK 15.5.20 + 2 MgO + 25 SO<sub>3</sub> + TE** (green granules)

**TOPSELLER Sicofert® Red Granule NPK 18.18.5 + 1.5 MgO + 18.3 SO<sub>3</sub> + TE** (reddish granules)

**7) SICOFERT® special fertiliser for horse pastures**

SICOFERT® Horse NPK 10.6.8 + 5 MgO + 5 Na<sub>2</sub>O + 17 SO<sub>3</sub> + 0.001 Selenium (special fertiliser for horse pasture)

**8) SICOFERT® blended fertilisers - TAILOR-MADE (SICOGRAN quality\* or granular bulk blend)**

100% MOP based (C) or 100% SOP based (LC) or MOP/SOP based (C/LC)

Remark: C = chlorholding, MOP based – LC = low chlor, SOP based – LC/C = SOP/MOP based.

*You ask us a certain composition in N - P - K, possibly with trace elements and we calculate for you the best quality at the sharpest price. (for all kinds of crops = bananas, oil palm trees, cotton, vegetables, tobacco, rice, tea, maize etc.)*

*For most formulas min. quantity is only 1 x 20ft container.*

*(\*) SICO-GRAN is SICO's brandname for tailormade quality blends. With SICO-GRAN we give a strewing and conservation guarantee which gives you full security about the quality of the blend. SICO-GRAN raw materials are specially selected on: uniform granule size, comparable specific weight and excellent mixability.*

*Please indicate us your requirements per ha and we calculate for you the right composition/formula.*

Attention: below specifications may always be subject to slight changes depending on raw materials at time of quoting.

**0. NK formulas**

32+18 + 0.30 MgO (see our Sicofert rice program using also NPK 26.24.7 + B + Zn with Urease inhibitor.)

**I. PK formulas**

7+30 + 12.75 SO<sub>3</sub> (C) (blend nr. 35320)  
 7+30 + 3 MgO + 15 SO<sub>3</sub> (C) (blend nr. 33329)  
 8+15 + 6 MgO + 21 CaO (Thomas-K nr. 1)  
 8+15 + 6 MgO + 18 SO<sub>3</sub> + 26 CaO (Thomas-K nr. 2)  
 8+27 + 5 MgO + 11 SO<sub>3</sub> (C) (blend nr. 33332)  
 10+20 + 3 MgO + 18 SO<sub>3</sub> (C) (blend nr. 33333)  
 23+19 + 5 MgO + 12.5 SO<sub>3</sub> + 12 CaO (C) **Sicofert Cocoastar** ao for cocoa  
 32+16 (C) (blend nr. 37832)

**II. NP formulas**

10+30 + 15 SO<sub>3</sub> + 0.05 Zn (blend nr. 35355)  
 11+27 + 16 SO<sub>3</sub> + 0.18 Zn (blend nr. 36195)  
 11.5+5.5 + 38 SO<sub>3</sub> + 2.2 B **Sicofert-Boron**  
 16+26 + 13 SO<sub>3</sub> (blend nr. 37398)  
 16+26 + 19 SO<sub>3</sub> (blend nr. 35475)  
 20+25 + 4.29 MgO  
 20+34 + 1.98 MgO  
 24+15 + 2.68 MgO  
**TOPSELLER** 28+28 (blend nr. 35329)  
 28.28.0 + 0.5 MgO (blend nr. 28001)  
 30+6 + 2.3 MgO

**III. NPK formulas**

5.4.44 + 7 MgO + 0.1 B (C) **with Urease inhibitor ao for palm trees**  
 5.7.16 + 5 MgO + 0.1 B (C) (blend nr. 31652)  
 5.10.25 + 31 SO<sub>3</sub> + 0.1 Zn (LC) (blend nr. 37650)  
 5.10.25 + 36 SO<sub>3</sub> + 0.2 B + 0.1 Zn (LC) (blend nr. 35513)

	5.10.30 + 13 SO <sub>3</sub> (C)	(blend nr. 33334)
	5.15.20 + 2 MgO (LC/C)	
	6.8.30 (C)	(blend nr. 37548)
	6.18.30 + 6 SO <sub>3</sub> (C)	(blend nr. 36886)
	6.25.25 (C)	(blend nr. 32811)
	6.25.25 + 0.5 B (C)	(blend nr. 34704)
	7.11.22 + 0.4 MgO (C)	(blend nr. 32661)
	7.14.28 + 31 SO <sub>3</sub> (LC)	(blend nr. 33330)
	8.9.13 + 2 MgO + 21 SO <sub>3</sub> (C)	(blend nr. 35960) <b>special formula for maize, cereals</b>
	8.16.24 + 27 SO <sub>3</sub> + 0.05 B + 0.05 Zn (LC)	(blend nr. 37880)
	8.24.24 (C)	(blend nr. 35582)
	9.2.7 + 24 SO <sub>3</sub> + 24.48 CaO (C), <b>special formula for grassland</b>	
	9.23.30 (C)	
	10.12.24 + 12 SO <sub>3</sub> + 0.05 B + 0.05 Zn (C)	(blend nr. 37874)
	10.12.24 + 19 SO <sub>3</sub> + 0.04 B + 0.05 Zn (C)	(blend nr. 36704)
	10.12.24 + 19 SO <sub>3</sub> + 0.05 B + 0.05 Zn (C)	(blend nr. 37888)
	10.12.24 + 30 SO <sub>3</sub> + 0.1 B + 0.1 Zn (LC)	(blend nr. 35500)
	10.16.26 + 0.1 B (C)	(blend nr. 33363)
	10.20.10 + 22 SO <sub>3</sub> (C)	(blend nr. 37152)
	10.20.20 + 2 MgO + 24 SO <sub>3</sub> + 0.1 B (LC)	(blend 37893)
<b>TOPSELLER</b>	10.25.12 + 2.5 MgO + 0.2 B (C) <b>Sicofert Potatomaster</b>	(blend nr. 32465)
	11.11.21 + 3 MgO + 10 SO <sub>3</sub> + 4.5 CaO (C) <b>(for onions)</b>	
	11.22.16 + 21 SO <sub>3</sub> (LC)	(blend 35485)
	12.3.10 + 19 SO <sub>3</sub> + 24 CaO (C) <b>Sicofert Grassmaster (for grassland)</b>	(blend 37798)
	12.6.22 + 3 MgO + 11 SO <sub>3</sub> + 7 CaO + 0.2 B (C)	
	12.6.22 + 29 SO <sub>3</sub> + 6 CaO + 0.1 Zn (LC)	(blend 36296)
	12.7.14 + 4 MgO (C)	
	12.10.18 + 25 SO <sub>3</sub> + 11 CaO (LC)	(blend nr. 37673)
	12.10.18 + 18 SO <sub>3</sub> + 12.5 CaO (LC/C)	(blend nr. 37938)
	12.10.18 + 12 SO <sub>3</sub> + 13.8 CaO (C)	(blend nr. 37616)
	12.10.20 + 2.5 MgO + 18.8 SO <sub>3</sub> (LC)	
	12.12.17 + 2 MgO + 13.5 SO <sub>3</sub> + 6 CaO (C)	
	12.12.17 + 2 MgO + 27 SO <sub>3</sub> + 0.2B + 0.1Zn (LC)	(blend nr. 35496)
<b>TOPSELLER</b>	12.24.12 + 14.8 SO <sub>3</sub> + 6.9 CaO (C)	(blend nr. 32555)
<b>TOPSELLER</b>	12.24.12 + 23 SO <sub>3</sub> (LC)	(blend nr. 35367)
	12.26.12 + 9 SO <sub>3</sub> + 8.7 CaO (C)	(blend nr. 36876)
	13.6.23 + 12 SO <sub>3</sub> + 7.5 CaO (C)	(blend nr. 35004)
	13.8.29 + 24 SO <sub>3</sub> + 0.13 B + 0.13 Zn (LC)	(blend nr. 37661)
	13.10.23 + 14 SO <sub>3</sub> (C)	
	13.12.34 (C)	
	13.13.20 + 6 MgO + 6.9 CaO (C)	
<b>TOPSELLER</b>	13.13.21 + 8 SO <sub>3</sub> + 8.7 CaO (C)	(blend nr. 31861)
	13.13.21 + 3 MgO + 11 SO <sub>3</sub> (C)	
	13.13.21 + 24.40 SO <sub>3</sub> (LC)	(blend nr. 34140)
	13.25.19 + 19 SO <sub>3</sub> (LC)	(blend nr. 32662)
	13.26.19 + 18 SO <sub>3</sub> (LC)	(blend nr. 35486)
	14.7.14 + 6 MgO + 13 SO <sub>3</sub> + 8 CaO + 0.1 B (C), <b>based on SICUREA with Urease inhibitor</b>	(blend nr. 33562)
	14.7.35 + 0.3 MgO + 0.01 B (C)	
	14.10.20 + 7 MgO + 0.1 B (C), <b>special formula ao for oil palm trees</b>	
	14.24.14 + 7 SO <sub>3</sub> + 6.5 CaO (C)	(blend nr. 31441)
	14.32.12 + 5.7 SO <sub>3</sub> + 2 CaO + 0.1 B + 0.05 Zn (C)	(blend nr. 33339)
	15.4.23 + 4 MgO + 9.17 SO <sub>3</sub> + 3.7 CaO + 0.2 B + 0.1 Zn, <b>special formula ao for bananas</b>	(blend nr. 35357)
	15.5.20 + 3 MgO + 14.3 SO <sub>3</sub> + 3 CaO + 0.2 B (C)	(blend nr. 34284)
	15.7.25 + 25 SO <sub>3</sub> (LC)	(blend nr. 37823)
	15.15.6 + 4 MgO + 8 SO <sub>3</sub> + 10 CaO (C)	(blend nr. 20525)
	15.15.15 + 1 MgO + 14 SO <sub>3</sub> + 0.05 B + 0.05 Zn (LC)	(blend nr. 35027)
	15.15.15 + 1 MgO + 15 SO <sub>3</sub>	(blend nr. 36277)
	15.15.15 + 1.5 MgO + 3 SO <sub>3</sub> (C)	(blend nr. 32851)
	15.15.15 + 2 MgO + 13 SO <sub>3</sub> (C)	(blend nr. 33479)
	15.15.15 + 2 MgO + 19 SO <sub>3</sub> + 6 CaO (LC)	(blend nr. 35387)
	15.15.15 + 2 MgO + 21 SO <sub>3</sub> + TE (LC)	(blend nr. 37891)
	15.15.15 + 2.5 MgO (C)	
	15.15.15 + 6 MgO (C)	
	15.15.15 + 16 SO <sub>3</sub> (C)	
	15.15.15 + 20 SO <sub>3</sub> + 7.89 CaO (LC)	(blend nr. 34651)
	15.15.15 + 24 SO <sub>3</sub> + 0.12 B + 0.1 Zn (LC)	(blend nr. 35490)
<b>TOPSELLER</b>	15.15.15 + 26 SO <sub>3</sub> (LC) Sico-gran quality	(blend nr. 35917)
	15.18.17 + 1 MgO + 15 SO <sub>3</sub> (LC)	(blend nr. 33051)
	15.23.15 + 14 SO <sub>3</sub> + 1.3 CaO (LC)	(blend nr. 33040)
	16.5.25 + 8 SO <sub>3</sub> (C)	(blend nr. 36829)
	16.6.10 + 2 MgO + 18 SO <sub>3</sub> + 0.3B (C) <b>special formula for Olives</b>	(blend nr. 35850)
	16.8.24 + 1.2 MgO + 2.8 SO <sub>3</sub> (C)	

- 16.16.8 + 0.01 B + 0.01 Zn (C), **special formula for ao coffee & rice**  
 16.16.8 + 1 MgO + 18 SO<sub>3</sub> + TE (C) (blend nr. 35348)  
 16.16.8 + 1 MgO + 24 SO<sub>3</sub> + TE (LC) (blend nr. 35305)  
 16.16.8 + 8.5 MgO + 5.3 SO<sub>3</sub> (C)  
 16.16.16 + 19 SO<sub>3</sub> + 5 CaO (LC) (blend nr. 37822)  
 16.16.16 + 11.6 SO<sub>3</sub> (C) (blend nr. 32852)  
 16.16.16 + 3.2 MgO (C) **special formula for ao pineapple**  
 16.2-16.3-16.3 + 10 SO<sub>3</sub> (C)  
 16.26.12 + 6 SO<sub>3</sub> + 4 CaO (C) (blend nr. 37185)  
 17.4.20 + 3 MgO + 9 SO<sub>3</sub> + 6 CaO (C), **special formula for ao cassava** (blend nr. 35971)  
 17.6.11 + 2.5 MgO + 19 SO<sub>3</sub> + TE **Sicofert Sportsgreen Lawn Fertiliser** (blend nr. 38383)  
**TOPSELLER** 17.8.25 + 4.5 SO<sub>3</sub> (C), **special formula for ao sugarcane, grassland** (blend nr. 37556)  
 17.8.25 + 2.3 MgO + 4.2 CaO (C)  
 17.13.27 (C) (blend nr. 35799)  
 17.13.27 + 2 MgO (C) (blend nr. 35799bis)  
 17.17.17 + 8 SO<sub>3</sub> + 0.1 B + 0.1 Zn (C) (blend nr. 33917)  
 17.17.17 + 9 SO<sub>3</sub> (C) (blend nr. 33387)  
**TOPSELLER** 17.17.17 + 18 SO<sub>3</sub> + 3 CaO (LC) (blend nr. 32670)  
 17.17.20 (C), **Sicogran quality\***  
 17.17.20 + 5 SO<sub>3</sub> + 1.8 MgO (C)  
 18.6.11 + 2 MgO + 21 SO<sub>3</sub> + 9 CaO + 0.01 B (LC) (blend nr. 33168)  
 18.6.12 + 14 SO<sub>3</sub> + 11 CaO (C) (blend nr. 35332)  
 18.7.30 + 4.5 SO<sub>3</sub> (C)  
 18.10.18 (C) (for hazelnuts, universal etc.)  
   3 options: 1/ 7 SO<sub>3</sub> + 8 CaO **basis urea 46 N**  
                   2/ 5.5 SO<sub>3</sub> + 8.5 CaO **basis Sicurea 46 N with urease inhibitor**  
                   3/ 3.65 SO<sub>3</sub> + 6.2 CaO **basis Sicocote slow release urea 39 N**  
 18.14.12 + 2 MgO + 0.05 B (C) (**special for young palm trees**)  
 18.18.5 + 1.5 MgO + 18 SO<sub>3</sub> (LC) (blend nr. 35154)  
 18.18.5 + 2 MgO + 11 SO<sub>3</sub> + 0.05 B (C) (blend nr. 33686)  
 18.18.5 + 4 MgO + 10 SO<sub>3</sub> (C)  
 19.9.18 + 10 SO<sub>3</sub> (C)  
 19.9.19 + 2.5 MgO + 21 SO<sub>3</sub> (LC)  
 19.19.10 + 2 SO<sub>3</sub> + 10 CaO (C)  
 20.3.5 + 3 MgO + 40 SO<sub>3</sub> (C) (blend nr. 22210)  
 20.3.5 + 3 MgO + 40 SO<sub>3</sub> (C) **basis Sicurea 46 N with urease inhibitor** (blend nr. 22315)  
 20.5.5 + 3 MgO + 18 SO<sub>3</sub> (C) (blend nr. 33561)  
 20.5.8 + 2 MgO **basis Sicocote coated controlled release urea** (blend nr. 33280)  
 20.5.8 + 2 MgO **basis Sicurea 46 N with urease inhibitor** (blend nr. 33289)  
 20.5.8 + 2 MgO + 13 SO<sub>3</sub> + 3 Na<sub>2</sub>O (C) (blend nr. 33486)  
 20.5.10 + 3 MgO + 22 SO<sub>3</sub> (C) (blend nr. 35512)  
 20.5.10 + 3.20 MgO + 9 SO<sub>3</sub> + 4 CaO + 0.30Fe (LC)  
 20.8.12 + 2.5 MgO (C), **special for hevea etc.**  
**TOPSELLER** 20.10.10 + 10 SO<sub>3</sub> (C) (blend nr. 31631)  
 20.10.10 + 21 SO<sub>3</sub> + TE (LC) (blend nr. 35304)  
 20.10.10 + 2 MgO + 9 SO<sub>3</sub> (LC)  
**TOPSELLER** 20.10.10 + 18 SO<sub>3</sub> (LC) (blend nr. 34327)  
 20.10.10 + 2 MgO + 19 SO<sub>3</sub> + 0.2 B + 0.2 Zn (LC) (blend nr. 37892)  
 20.10.15 + 10.7 SO<sub>3</sub> (C)  
 20.10.20 (C) (**for hazelnuts, universal etc.**)  
 20.20.8 + 5.5 MgO + 5.6 SO<sub>3</sub> + 3.7 CaO (C) (blend nr. 33476)  
 20.20.15 + 3.4 SO<sub>3</sub> + 2.2 CaO (C)  
 21.6.11 + 1.4 MgO + 10 SO<sub>3</sub> (LC)  
 21.7.7 + 3 MgO (C) **for tea**  
 25.7.7 (C) **for tea**  
 23.10.5 + 13.8 SO<sub>3</sub> + 0.2 B + 0.2 Zn (C)  
 23.10.5 + 2 MgO + 14 SO<sub>3</sub> + 0.3 Zn (C) (blend nr. 35445)  
 23.10.5 + 4 MgO + 0.1 B + 0.1 Zn (C)  
 26.24.7 + 0.14 B + 0.001 Zn + NBPT Urease inhibitor (blend nr. 38382)  
 30.5.7 + 4 MgO + 8 SO<sub>3</sub> (C), basis urea 46 N (blend nr. 33310)  
 30.5.7 + 4 MgO + 8 SO<sub>3</sub> (C), basis Sicurea 46 N with urease inhibitor (blend nr. 33415)  
 30.9.9 + 0.5 B + 0.23 Cu (blend nr. 38381)  
 30.9.9 + 3.5 SO<sub>3</sub> + 3.5 CaO (C)  
 30.9.9 + 2 MgO + 4.7 SO<sub>3</sub> + 0.5 B + 0.5 Cu (C)  
 33.11.6 + 2 SO<sub>3</sub> (C) (blend nr. 37205)  
 44.0.0 + 1 MgO (blend nr. 36932 Urea + Magnesium)  
 44.0.0 + 0.5 Zn (blend nr. 36931 Urea + Zinc)  
**Sicofert Grass-Spring**, granular blended (SICO-GRAN Type) NPK's for grassland in spring. (C)  
 - Type 1: NPK 24.0.0 + 2 MgO + 12 SO<sub>3</sub> (with Sulphur)  
 - Type 2: NPK 24.0.0 + 1 MgO + 12 SO<sub>3</sub> + 0.001 Se (with Sulphur + Selenium)  
 - Type 3: NPK 23.0.0 + 2.60 MgO + 10 SO<sub>3</sub> + 5 Na<sub>2</sub>O + 0.001 Se (with Sulphur + Selenium + Sodium)  
**Sicofert Grass-Summer**, granular blended (SICO-GRAN Type) NPK's for grassland in summer. (C)

- Type 1: NPK 18.0.26 + 0.70 MgO + 1 CaO (with Potassium)
  - Type 2: NPK 15.0.20 + 3 SO<sub>3</sub> + 7 Na<sub>2</sub>O (with Potassium + Sodium)
- Sicofert Horticulture**, granular blended (SICO-GRAN Type) NPK for horticulture.
- NPK 10.8.15 + 6 MgO + 26 SO<sub>3</sub> + 0.03 B
- Sicofert Maize**, granular blended NPK's for maize. (C)
- granular blended NPK 24.0.5 + 10 SO<sub>3</sub> + 0.3 B
  - granular blended NPK 25.0.0 + 10 SO<sub>3</sub> + 0.3 B
  - granular blended NPK 15.0.15 + 10 SO<sub>3</sub> + 0.15 B

**Sicofert Oilpalm**, granular blended (SICO-GRAN Type) NPK's for oilpalm trees (C)

- Starter NPK 14.34.12 + 1.5 MgO + 0.05 B
- Mature NPK 11.7.35 + 3 MgO + 0.3 B with urease inhibitor
- Finisher NPK 15.13.26 + 4 MgO + 0.05 B with urease inhibitor

**Sicofert Potato**, granular blended (SICO-GRAN Type) NPK for potatoes.

- NPK 11.10.22 + 3 MgO + 13.80 SO<sub>3</sub> (C/LC)

**Sicofert Paddy-master NPK 10.26.26 + 2 SO<sub>3</sub> + 0.1 B (C)**

**Sicofert Rice**

- NPK 26.24.7 + 0.14% B + 0.001 Zn (C) with urease inhibitor
- NK 32.0.18 + 0.30 MgO (C)

**Sicofert Sportsgreen Lawn** fertiliser, granular blended NPK 17.6.11 + 2.5 MgO + 19 SO<sub>3</sub> (SOP based)

**And many other formulations TAILORMADE** (to suit each specific plant and soil type) according to buyer's request (although for certain formulations minimum quantities may be required), in 25 or 40 or 50 kg bags or 500 or 1,000 or 1,050 or 1,200 kg big bags. Additions of macro and/or microelements will be studied as per your request.

## 9) SICO-FERT SOW STUMP FERTILISERS)

*Range of fertilisers to be placed around base of trees (eg oil palm) to bring K + Ca + Mg (+ B)*

- 9.1. SICO-FERT Granular blended NPK 0.0.18 + 15 MgO + 15 CaO (MOP based) (C)
- 9.2. SICO-FERT Granular blended NPK 0.0.18 + 15 MgO + 15 CaO + 0.09 B (MOP based) (C)
- 9.3. SICO-FERT Granular blended NPK 0.0.18 + 14 MgO + 14 CaO (SOP based) (LC)
- 9.4. SICO-FERT Granular blended NPK 0.0.18 + 14 MgO + 14 CaO + 0.09 B (SOP based) (LC)

## 10) SICO-FERT Nitrate of potash (NOP) based NPK's

- 10.1. Sicofert NPK 15.5.25 + 2MgO + 6SO<sub>3</sub> + B + Mn + Zn (NOP based)
- 10.2. Sicofert NPK 16.10.17 + 3MgO + 13SO<sub>3</sub> + B + Fe + Mn + Mo + Zn (NOP based)
- 10.3. Sicofert NPK 18.9.18 + 2MgO + 11SO<sub>3</sub> + B + Fe + Zn (NOP based)

## 11) DYNAFERT & MAEFERT granular complex NPK's – made in China

- 11.1. DYNAFERT granular MOP based NPK's – introductory notice & survey
- 11.2. MAEFERT granular SOP based NPK's – survey

## 12) SICO-ECOTEC granular complex ecological fertilisers with nitrification inhibitor

- 12.1. Introduction - SICO-ECOTEC: Ecological NPK fertilisers with ammonium stabilizer DMPP (DMPP= 3.4 dimethylpyrazolophosphate) A new method for nitrogen fertilisation based on the many advantages of ammonium stabilisation.
- 12.2. Origin E.U.:
  - 12.2.1. SICO-ECOTEC NPK 12.8.16 + 3MgO + 10 S + TE (LC)
  - 12.2.2. SICO-ECOTEC NPK 12.12.17 S + 2MgO + 8 S + TE (LC)
  - 12.2.3. SICO-ECOTEC NPK 14.7.17 S + 2MgO + 9 S + TE
  - 12.2.4. SICO-ECOTEC NPK 15.3.20 + 2 MgO + 10 S + TE
  - 12.2.5. SICO-ECOTEC NPK 20.10.10 + 3 S (C)
  - 12.2.6. SICO-ECOTEC NPK 21.5.10 + 3 MgO + 6 S + TE (LC)
  - 12.2.7. SICO-ECOTEC NPK 24.5.5 + 2MgO + 5 S + TE (LC)
  - 12.2.8. SICO-ECOTEC NPK 26.0.0 + 13 S (C)
- 12.3. Survey of our Sico-Ecotec range stabilised with DMPP (nitrification inhibitor) & NBPT (urease inhibitor) to avoid nitrogen losses. Intro to more Sico-Ecotec stabilized fertilisers (on special request only):
  - Straight stabilized fertilisers
  - Stabilised fertilisers blends
  - Stabilised & coated fertiliser blends
  - 12.3.1. SICO-ECOTEC UREA-EXTRA, stabilised fertiliser with NBPT + NPPT Urease inhibitors
  - 12.3.2. SICO-ECOTEC Ammonium Sulphate 21N + 24S, stabilised fertiliser with DMPP nitrification inhibitor
  - 12.3.3. SICO-ECOTEC GREEN, Green colored NPK fertilisers with DMPP nitrification inhibitor for application in horticulture and farmland (agriculture).
  - 12.3.4. SICO-ECOTEC GREEN CAN, Calcium Ammonium Nitrate NPK 26-0-0+ 4MgO+ 6CaO+ 0.5B+ DMPP nitrification inhibitor, green colored
- 12.4. Origin China:
  - 12.4.1. SICO-ECOTEC NPK 12.12.17 + 2 MgO + 2 Ca + 8 S + TE + DMPP (nitrate based) (LC)
  - 12.4.2. SICO-ECOTEC NPK 15.5.23 + DMPP (nitrate & SOP based) (LC)
  - 12.4.3. SICO-ECOTEC NPK 15.15.15 + DMPP (nitrate & SOP based) (LC)
  - 12.4.4. SICO-ECOTEC NPK 17.17.17 + DMPP (SOP based) (LC)

## **C) "SICOGREEN®" WATER SOLUBLE NK & NPK FERTILISERS FOR FERTIGATION & DRIP IRRIGATION & FOLIAR & HYDROPONIC APPLICATIONS.**

**!! Attention : The SICOGREEN range of fertilisers is available also under different other brands/bag designs as LOUSOL / DAVYSOL / PROFISOL / PRIMOSOL / MAESOL.**

**SICOGREEN: EVERY TIME THE RIGHT SOLUTION !**

### **1) SICOGREEN® crystalline (powder) water soluble NK's & NPK's**

These types of fertilisers are made to measure in accordance to buyer's requirements. They are produced **from selected technically purest E.U. origin ingredients only** and are free from chlorine and are completely watersoluble in virtually any ratio. They are usually compatible with pesticides used commonly in vegetable and fruit crop production.

#### **1.1. SICOGREEN Soluble Crystalline NK's: for fertigation of soil and soilless grown crops.**

Available formula: N-K ratio 2-0-1	Basic formula: 34-0-17	Magnesium-enriched formula: 32-0-16 + 2 MgO
N-K ratio 1-0-1	Basic formula: 26-0-28	Magnesium-enriched formula: 25-0-25 + 2 MgO
N-K ratio 1-0-2	Basic formula: 20-0-36	Magnesium-enriched formula: 19-0-34 + 2 MgO
N-K ratio 1-0-3.5	Basic formula: 13-0-46	Magnesium-enriched formula: 12-0-43 + 2 MgO
N-K ratio 1-0-11/12	Basic formula: 3.5-0-48	Magnesium-enriched formula: 4-0-44 + 2 MgO

#### **1.1.1 SICOGREEN soluble NK's as non-hazardous alternatives to Potassium Nitrate**

1.1.1a SICOGREEN NPK 9.0.33

1.1.1b SICOGREEN NPK 11.0.38

1.1.1c SICOGREEN NPK 12.0.43

#### **1.2. SICOGREEN ECONOMY Soluble Crystalline NPK's for fertigation, drip irrigation and similar systems.**

##### **1.2.1 Introduction to SICOGREEN ECONOMY**

With or without trace elements either chelated, can be colored for easy tracing of the fertiliser in irrigation systems. Attention: the below mentioned colors are only an indication and can be changed at our discretion.

##### **A/ Balanced formulae, blue colored**

SICOGREEN-B ECONOMY NPK 15.15.15 + CTE

SICOGREEN-B ECONOMY NPK 17.17.17 + CTE

SICOGREEN-B ECONOMY NPK 17.17.17 + 2 MgO + CTE

SICOGREEN-B ECONOMY NPK 18.18.18 + CTE

SICOGREEN-B ECONOMY NPK 18.18.18 + 3 MgO + CTE

SICOGREEN-B ECONOMY NPK 18.18.21 + 0.9 MgO + CTE

SICOGREEN-B ECONOMY NPK 19.19.19 + CTE

SICOGREEN-B ECONOMY NPK 19.19.19 + 1 MgO + CTE

SICOGREEN-B ECONOMY NPK 20.20.20 + CTE (with 6% nitrate N)

SICOGREEN-B ECONOMY NPK 20.20.20 + 0.5% CTE (with 4% Nitrate N) (special high 0.5% CTE for Chinese market)

SICOGREEN-B ECONOMY NPK 20.20.20 + 0.5 MgO + CTE (with 5% Nitrate N)

SICOGREEN-B ECONOMY NPK 20.20.20 + 1 MgO + CTE

SICOGREEN-B ECONOMY NPK 20.20.20 + 2 MgO + CTE

SICOGREEN-B ECONOMY NPK 21.21.21 + CTE

##### **B/ High N formulae, green colored**

SICOGREEN-N ECONOMY NPK 19.06.06 + CTE

SICOGREEN-N ECONOMY NPK 20.5.10 + CTE

SICOGREEN-N ECONOMY NPK 20.6.10 + 6 MgO + CTE

SICOGREEN-N ECONOMY NPK 20.10.10 + CTE

SICOGREEN-N ECONOMY NPK 20.10.10 + 2 MgO + CTE

SICOGREEN-N ECONOMY NPK 20.20.10 + 4 MgO + CTE

SICOGREEN-N ECONOMY NPK 22.22.10 + 1 MgO + CTE

SICOGREEN-N ECONOMY NPK 24.8.17 + CTE

SICOGREEN-N ECONOMY NPK 25.10.10 + CTE

SICOGREEN-N ECONOMY NPK 25.10.20 + CTE

SICOGREEN-N ECONOMY NPK 27.14.14 + 0.5% CTE (special high 0.5% CTE for Chinese market)

SICOGREEN-N ECONOMY NPK 27.15.12 + CTE

SICOGREEN-N ECONOMY NPK 28.14.14 + CTE

SICOGREEN-N ECONOMY NPK 28.14.14 + 1 MgO + CTE

SICOGREEN-N ECONOMY NPK 29.10.10 + CTE

SICOGREEN-N ECONOMY NPK 29.10.10 + 2 MgO + CTE

SICOGREEN-N ECONOMY NPK 29.10.10 + 3 MgO + CTE

SICOGREEN-N ECONOMY NPK 30.10.10 + CTE

SICOGREEN-N ECONOMY NPK 30.10.10 + 2 MgO + CTE

SICOGREEN-N ECONOMY NPK 30.12.12 + CTE

SICOGREEN-N ECONOMY NPK 31.0.5 + CTE

SICOGREEN-N ECONOMY NPK 33.10.10 + CTE

##### **C/ High P formulae, orange colored**

SICOGREEN-P ECONOMY NPK 8.50.12 + CTE

SICOGREEN-P ECONOMY NPK 8.52.17 + CTE

SICOGREEN-P ECONOMY NPK 10.30.10 + 3 MgO + CTE

SICOGREEN-P ECONOMY NPK 10.30.10 + 6 MgO + CTE

SICOGREEN-P ECONOMY NPK 10.42.10 + 3 MgO + CTE

SICOGREEN-P ECONOMY NPK 10.43.10 + CTE

SICOGREEN-P ECONOMY NPK 10.43.10 + 1 MgO + CTE

SICOGREEN-P ECONOMY NPK 10.50.10 + CTE  
SICOGREEN-P ECONOMY NPK 10.50.10 + 0.5% CTE (special high 0.5% CTE for Chinese market)  
SICOGREEN-P ECONOMY NPK 10.50.10 + 2 MgO + CTE  
SICOGREEN-P ECONOMY NPK 10.52.8 + CTE  
SICOGREEN-P ECONOMY NPK 10.52.10 + CTE  
SICOGREEN-P ECONOMY NPK 10.55.10 + CTE  
SICOGREEN-P ECONOMY NPK 11.40.11 + 4 MgO + CTE  
SICOGREEN-P ECONOMY NPK 12.26.26 + CTE  
SICOGREEN-P ECONOMY NPK 12.30.20 + CTE  
SICOGREEN-P ECONOMY NPK 12.36.12 + 2 MgO + CTE  
SICOGREEN-P ECONOMY NPK 13.40.13 + CTE  
SICOGREEN-P ECONOMY NPK 13.40.13 without urea, without CTE  
SICOGREEN-P ECONOMY NPK 13.40.13 + 1 MgO + CTE  
SICOGREEN-P ECONOMY NPK 15.30.12 + CTE  
SICOGREEN-P ECONOMY NPK 15.30.15 + CTE  
SICOGREEN-P ECONOMY NPK 15.30.15 + 2 MgO + CTE  
SICOGREEN-P ECONOMY NPK 15.45.10 + CTE  
SICOGREEN-P ECONOMY NPK 18.33.18 + CTE

**D/ High K formulae, pink colored**

SICOGREEN-K ECONOMY NPK 0.5.47 + CTE  
SICOGREEN-K ECONOMY NPK 0.40.30 + 4 MgO + CTE  
SICOGREEN-K ECONOMY NPK 2.9.29 + 8 MgO + CTE "Sicogreen Strawberry Special"  
SICOGREEN-K ECONOMY NPK 3.5.40 + CTE  
SICOGREEN-K ECONOMY NPK 3.11.38 + 4 MgO + CTE  
SICOGREEN-K ECONOMY NPK 3.37.37 + CTE  
SICOGREEN-K ECONOMY NPK 4.0.48 + CTE  
SICOGREEN-K ECONOMY NPK 4.15.37 + 3 MgO + CTE  
SICOGREEN-K ECONOMY NPK 4.18.38 + CTE  
SICOGREEN-K ECONOMY NPK 5.5.40 + CTE  
SICOGREEN-K ECONOMY NPK 5.5.45 + CTE  
SICOGREEN-K ECONOMY NPK 5.8.43 + CTE  
SICOGREEN-K ECONOMY NPK 5.10.40 + CTE  
SICOGREEN-K ECONOMY NPK 5.15.30 + 3 MgO + CTE  
SICOGREEN-K ECONOMY NPK 6.12.36 + 3 MgO + CTE  
SICOGREEN-K ECONOMY NPK 6.26.30 + CTE  
SICOGREEN-K ECONOMY NPK 7.12.32 + 3 MgO + CTE  
SICOGREEN-K ECONOMY NPK 7.12.40 + CTE  
SICOGREEN-K ECONOMY NPK 8.12.36 + 4 MgO + CTE  
SICOGREEN-K ECONOMY NPK 8.12.36 + 4.5 MgO + CTE  
SICOGREEN-K ECONOMY NPK 8.13.34 + 3.5 MgO + CTE  
SICOGREEN-K ECONOMY NPK 8.15.25 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 8.15.27 + CTE  
SICOGREEN-K ECONOMY NPK 8.17.40 + 0.5% CTE (special high 0.5% CTE for Chinese market)  
SICOGREEN-K ECONOMY NPK 8.17.40 + CTE  
SICOGREEN-K ECONOMY NPK 8.17.41 + CTE  
SICOGREEN-K ECONOMY NPK 8.24.24 + CTE  
SICOGREEN-K ECONOMY NPK 8.24.34 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 9.12.24 + 4 MgO + CTE  
SICOGREEN-K ECONOMY NPK 10.5.40 + CTE  
SICOGREEN-K ECONOMY NPK 10.8.42 + 1 MgO + CTE  
SICOGREEN-K ECONOMY NPK 10.10.35 + CTE  
SICOGREEN-K ECONOMY NPK 10.10.40 + CTE  
SICOGREEN-K ECONOMY NPK 10.10.40 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 10.12.30 + CTE  
SICOGREEN-K ECONOMY NPK 10.20.30 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 11.11.35 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 12.12.18 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 12.12.36 + CTE  
SICOGREEN-K ECONOMY NPK 12.12.36 + CTE without urea  
SICOGREEN-K ECONOMY NPK 12.12.36 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 13.5.42 + CTE  
SICOGREEN-K ECONOMY NPK 13.26.26 + CTE  
SICOGREEN-K ECONOMY NPK 13.27.27 + CTE  
SICOGREEN-K ECONOMY NPK 14.10.25 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 14.10.34 + CTE  
SICOGREEN-K ECONOMY NPK 14.11.21 + 4 MgO + CTE  
SICOGREEN-K ECONOMY NPK 14.14.28 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 15.5.30 + 3 MgO + CTE  
SICOGREEN-K ECONOMY NPK 15.15.30 + CTE  
SICOGREEN-K ECONOMY NPK 16.8.32 + 2 MgO + CTE  
SICOGREEN-K ECONOMY NPK 17.10.27 + CTE  
SICOGREEN-K ECONOMY NPK 17.10.27 + CTE potassium nitrate based

SICOGREEN-K ECONOMY NPK 18-3.6-36 + Ca EDTA + CTE  
E/ Low P formulae, yellow colored - !! Many of these formulas are at same time high K !  
 SICOGREEN-LP ECONOMY NPK 8.4.45 + CTE  
 SICOGREEN-LP ECONOMY NPK 9.4.39 + CTE  
 SICOGREEN-LP ECONOMY NPK 10.8.40 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 11.0.38 + CTE  
 SICOGREEN-LP ECONOMY NPK 11.5.41 + CTE  
 SICOGREEN-LP ECONOMY NPK 11.5.42 + 1.5 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 11.9.34 + 3 MgO + CTE (ao for grape vine)  
 SICOGREEN-LP ECONOMY NPK 11.11.33 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 12.0.43 + CTE (replaces potassium nitrate)  
 SICOGREEN-LP ECONOMY NPK 12.3.43 + CTE  
 SICOGREEN-LP ECONOMY NPK 12.5.40 + CTE  
 SICOGREEN-LP ECONOMY NPK 12.6.35 + CTE  
 SICOGREEN-LP ECONOMY NPK 12.7.18 + CTE  
 SICOGREEN-LP ECONOMY NPK 13.3.43 + CTE  
 SICOGREEN-LP ECONOMY NPK 13.5.40 + 0.5% CTE (special high 0.5% CTE for Chinese market)  
 SICOGREEN-LP ECONOMY NPK 13.5.40 + CTE (ao for potato)  
 SICOGREEN-LP ECONOMY NPK 13.5.42 + CTE  
 SICOGREEN-LP ECONOMY NPK 13.7.33 + CTE  
 SICOGREEN-LP ECONOMY NPK 14.5.25 + 3 MgO + CTE (ao for grape vine)  
 SICOGREEN-LP ECONOMY NPK 15.5.30 + CTE  
 SICOGREEN-LP ECONOMY NPK 15.5.30 + 3 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 15.5.35 + CTE  
 SICOGREEN-LP ECONOMY NPK 15.5.35 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 15.7.30 + 3 MgO + CTE ("Sicogreen Strawberry starter")  
 SICOGREEN-LP ECONOMY NPK 15.8.25 + 3.5 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 15.10.30 + CTE  
 SICOGREEN-LP ECONOMY NPK 16.4.35 + CTE  
 SICOGREEN-LP ECONOMY NPK 16.8.24 + CTE (high 11.5% Urea N)  
 SICOGREEN-LP ECONOMY NPK 16.8.24 + CTE (low 1.1% Urea N)  
 SICOGREEN-LP ECONOMY NPK 16.8.24 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 16.8.24 + 2 MgO + CTE (special formula for grape vine)  
 SICOGREEN-LP ECONOMY NPK 16.8.25 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 16.8.32 + 2 MgO + CTE (high 7.9% Nitrate N)  
 SICOGREEN-LP ECONOMY NPK 16.8.34 + CTE (ADR formula)  
 SICOGREEN-LP ECONOMY NPK 17.7.21 + CTE  
 SICOGREEN-LP ECONOMY NPK 17.10.27 + CTE  
 SICOGREEN-LP ECONOMY NPK 18.9.18 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 18.10.18 + 3 MgO + CTE ("Sicogreen Strawberry outside", field grown)  
 SICOGREEN-LP ECONOMY NPK 20.00.20 + CTE  
 SICOGREEN-LP ECONOMY NPK 20.00.20 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 20.5.30 + CTE  
 SICOGREEN-LP ECONOMY NPK 20.5.30 + 0.5% CTE  
 SICOGREEN-LP ECONOMY NPK 20.6.20 + 3 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 20.10.20 + CTE  
 SICOGREEN-LP ECONOMY NPK 20.10.20 + 5 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 22.7.22 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 24.8.17 + CTE  
 SICOGREEN-LP ECONOMY NPK 25.10.14 + 2 MgO + CTE ("Sicogreen Pistachio Special")

**NEW !! 1.4.1. SICOGREEN -SF SUPER FOLIAR, new line of innovative foliar water soluble NPK's**

1.4.1.0 Sicogreen -SF Intro  
 1.4.1.1 Sicogreen -SF NPK 19.19.19 + 2 MgO + CTE  
 1.4.1.2 Sicogreen -SF NPK 22.22.10 + 2 MgO + 5SO<sub>3</sub> + CTE  
 1.4.1.3 Sicogreen -SF NPK 29.10.10 + 2 MgO + 7SO<sub>3</sub> + CTE  
 1.4.1.4 Sicogreen -SF NPK 14.5.34 + 2 MgO + 9SO<sub>3</sub> + CTE  
 1.4.1.5 Sicogreen -SF NPK 9.49.9 + 2 MgO + 5SO<sub>3</sub> + CTE  
 1.4.1.6 Sicogreen -SF NPK 5.5.40 + 2 MgO + 28SO<sub>3</sub> + CTE

**1.4.2. SF High Performance NPK's, extra tailor made SF formulas using high content of Nitrate of Potash – hence some formulas are IMO 5.1 classified (not available for all countries)**

1.4.2.1 Sicogreen -SF high perf NPK 8-10-40 + 2 MgO + CTE IMO 5.1-UN 1477  
 1.4.2.2 Sicogreen -SF high perf NPK 13-5-35 + 3 MgO + CTE, blue colored IMO 5.1-UN 1486  
 1.4.2.3 Sicogreen -SF high perf NPK 13-5-35 + 3 MgO + CTE, not colored IMO 5.1-UN 1486  
 1.4.2.4 Sicogreen -SF high perf NPK 18-18-20 + 2 MgO + CTE, blue colored

**1.5. SICOGREEN -DRIP**

**NEW !! 1.5.1 SICOGREEN -DRIP -OFC (open field crops), new innovative line of water soluble fertilisers (WSF) for open field (arable crops).**

1.5.1.0 Sicogreen Drip -OFC Introduction  
 1.5.1.1 Sicogreen -P Drip -OFC NPK 13.40.13 + 3SO<sub>3</sub>  
 1.5.1.2 Sicogreen -K Drip -OFC NPK 16.8.32 + 2 MgO + 4SO<sub>3</sub>  
 1.5.1.3 Sicogreen -K Drip -OFC NPK 12.12.36 + 5SO<sub>3</sub>



- 1.5.1.4 Sicogreen -B Drip -OFC NPK 18.18.18 + 13SO<sub>3</sub>
- 1.5.1.5 Sicogreen -B Drip -OFC NPK 20.20.20
- 1.5.1.6 Sicogreen -N Drip -OFC NPK 25.5.5 + 2 MgO + 31SO<sub>3</sub>

**NEW !! 1.5.2 SICOGREEN -DRIP -GH (greenhouse & hydroponics), new innovative line of water soluble fertilisers (WSF) for greenhouse and hydroponics.**

- 1.5.2.0 Sicogreen Drip -GH Introduction
- 1.5.2.1 Sicogreen -B Drip -GH NPK 15.15.15 + 28SO<sub>3</sub> + CTE
- 1.5.2.2 Sicogreen -B Drip -GH NPK 16.16.16 + 23SO<sub>3</sub> + CTE
- 1.5.2.3 Sicogreen -P Drip -GH NPK 11.37.11 + 2 MgO + 11SO<sub>3</sub> + CTE
- 1.5.2.4 Sicogreen -K Drip -GH NPK 8.17.40 + 5SO<sub>3</sub> + CTE
- 1.5.2.5 Sicogreen -K Drip -GH NPK 10.12.30 + 24SO<sub>3</sub> + CTE
- 1.5.2.6 Sicogreen -LP Drip -GH NPK 12.8.31 + 2 MgO + 14 SO<sub>3</sub> + CTE
- 1.5.2.7 Sicogreen -LP Drip -GH NPK 14.5.30 + 18SO<sub>3</sub> + CTE
- 1.5.2.8 Sicogreen -LP Drip -GH NPK 15.7.27 + 18SO<sub>3</sub> + CTE
- 1.5.2.9 Sicogreen -N Drip -GH NPK 19.6.6 + 47SO<sub>3</sub> + CTE

**1.6. SICOGREEN HP (High Performance) program of fully water soluble NPK's, low in chlor with Nitrate of Potash as main K<sub>2</sub>O source hence some formulas are IMO 5.1 classified (not available for all countries)**

**1.6.1 Sicogreen HP NPK introduction**

- HP NPK 0.0.33 + 11 MgO + CTE (code 43)
- HP NPK 0.0.41 + 6 MgO + 19S + CTE (code 32)
- HP NPK 7.5.40 + 1.7 MgO + CTE (no Urea) (code 39)
- HP NPK 7.14.37 + CTE (no Urea) (code 46)
- HP NPK 8.5.45 + CTE (code 12)
- HP NPK 8.12.36 + 3 MgO + CTE (code 25) IMO 5.1-UN 1486
- HP NPK 8.30.13 + 3.6 MgO + 10.4S + CTE (code 31)
- HP NPK 8.52.17 + CTE (code 51)
- HP NPK 9.0.33 + CTE (code 33)
- HP NPK 10.10.30 + 2 MgO + CTE (code 47)
- HP NPK 10.10.40 + 2 MgO + CTE (code 18) IMO 5.1-UN 1486
- HP NPK 10.20.30 + 0.6 MgO + CTE (low Urea) (code 07)
- HP NPK 10.30.10 + 4 MgO + CTE (code 42)
- HP NPK 10.32.18 + 2 MgO + CTE (no Urea) (code 45)
- HP NPK 10.40.10 + CTE (no Urea) (code 19)
- HP NPK 10.50.10 + CTE (no Urea) (code 05)
- HP NPK 10.52.10 + CTE (no Urea) (code 24)
- HP NPK 10.52.10 + CTE (with 2.8% Ureic N) (code 24B)
- HP NPK 10.52.10 + CTE (without Ureic N) (code 24C)
- HP NPK 10.55.10 + CTE (code 53)
- HP NPK 11.0.35 + 6 MgO + CTE (no Urea) (code 44) IMO 5.1-UN 1486
- HP NPK 11.5.40 + CTE (code 21)
- HP NPK 12.6.40 + CTE (code 16) IMO 5.1-UN 1486
- HP NPK 12.12.36 + 2 MgO + CTE (code 09) IMO 5.1-UN 1486
- HP NPK 12.12.36 + CTE (code 08) IMO 5.1-UN 1486
- HP NPK 12.12.36 + CTE (code 08B) IMO 5.1-UN 1477
- HP NPK 13.6.40 + 0.5 MgO + CTE (code 22) IMO 5.1-UN 1477
- HP NPK 13.40.13 + CTE (code 28)
- HP NPK 13.40.13 + CTE (code 28B)(different CTE package)
- HP NPK 13.40.13 + CTE (code 28C) (different CTE package)
- HP NPK 14.5-8-21 + 1.5 MgO + 8CaO + CTE (code 17) IMO 5.1-UN 1477
- HP NPK 15.5.30 + CTE (code 40)
- HP NPK 15.5.30 + 3 MgO + CTE (code 27)
- HP NPK 15.15.15 + CTE (code 37)
- HP NPK 15.15.30 + CTE (code 34) IMO 5.1-UN 1477 (no Urea)
- HP NPK 15.15.30 + CTE (code 50) IMO 5.1 – UN 1477
- HP NPK 15.30.15 + CTE (code 49)
- HP NPK 15.30.15 + 0.5 MgO + CTE (no Urea) (code 06)
- HP NPK 16.16.16 + 2 MgO + CTE (code 38)
- HP NPK 17.10.27 0.5 MgO + CTE (no Urea) (code 10) IMO 5.1-UN 1477
- HP NPK 17.17.17 + 2 MgO + CTE (no Urea) (code 24) IMO 5.1-UN 1486
- HP NPK 18.18.18 + CTE (8.8% Nitric N, no Urea) (code 02) IMO 5.1-UN 1477
- HP NPK 18.18.18 + CTE (code 02B)
- HP NPK 19.19.19 + CTE (code 36)
- HP NPK 19.19.19 + 2 MgO + CTE (code 03)
- HP NPK 20.10.20 + CTE (no Urea) (code 35) IMO 5.1-UN 1477
- HP NPK 20.20.20 + CTE (code 01)
- HP NPK 20.20.20 + CTE ((different CTE package) (code 11)
- HP NPK 20.20.20 + CTE (different CTE package) (code 26)
- HP NPK 20.20.20 + 1MgO + CTE (code 52)
- HP NPK 21.21.21 + C TE (code 41)
- HP NPK 25.10.17 + CTE (code 30)
- HP NPK 28.7.14 + 2 MgO + CTE (code 13)
- HP NPK 28.8.14 + 2 MgO + CTE (code 14)

HP NPK 28.14.14 + CTE (code 48)  
HP NPK 29.10.10 + 2.5 MgO + CTE (code 29)  
HP NPK 30.10.10 + 2 MgO + CTE (code 4)  
HP NPK 30.10.10 + CTE (code 23)

### 1.6.2 SICOGREEN HP (High Performance) PG MIX water soluble NPK's

1.6.2a HP-PG MIX NPK 14 16 18 + 1 MgO + CTE high Mo

1.6.2b HP-PG MIX NPK 14 16 18 + 1 MgO + CTE low Mo

### 1.7. Some fertilisation programs with SICOGREEN® water soluble NPK's: (available on request)

1.7.1. SICOGREEN fertilisation recommendations & Foliar feeding trials (examples). Further recommendations & results of foliar feeding on maize/cucumbers/cotton/rice/pineapple/tobacco/wheat/grapes/apples are available on request.

1.7.2. Fertilisation of Banana crops

1.7.3. Bananas Deficiency Indicators

1.7.4. Fertilisation program for Mango trees

1.7.5. SICOGREEN fertilisers for Almond Crop Nutrition Program

### 3) SICOGREEN-L® & SICOPHYTE-L liquid fertilisers: WE ARE VERY SPECIALISED IN LIQUID & SUSPENSION NPK's with our large range of foliar fertilisers for supplementary nutrition of all crops.

**ATTENTION:** products printed in the same color are produced in same production site, so can more easily/economically be combined in a mixed 20ft container

- 3.1. Product survey SICOGREEN Liquid and Suspension NPK's
- 3.2. Foliar nutrition: basic information
- 3.3. Product group characteristics
- TOPSELLER** 3.4a. SICOGREEN-L AMINO: Liquid organic biostimulant 9% N + 766 g/l Amino Acids for foliar application and fertigation
- 3.4b. SICOGREEN-L AMINO 40: Liquid organic biostimulant 7.5% N + 475 g/l Amino Acids for foliar application and fertigation.
- TOPSELLER** 3.5. SICOGREEN-L AMINOCAL CaO + Mn + Zn 20.2-0.7-0.7 (w/v)
- TOPSELLER** 3.6. SICOGREEN-L SUPER NPK 10-10-7.5 + CTE (w/v)
- TOPSELLER** 3.7. SICOGREEN-L "SUPER N" NPK 14-4.5-7 + CTE (w/v)
- TOPSELLER** 3.8. SICOGREEN-L "SUPER P" NPK 6.5-25-6.5 + CTE (w/v)
- 3.9. SICOGREEN-L "SUPER K" NPK 6-10-15 + CTE (w/v)
- 3.10. SICOGREEN-L MICROMIX B + Cu + Fe + Mn + Mo + Zn + MgO (highly concentrated)
- 3.11. SICOGREEN-L SULPHUR: Foliar fluid nitrogen (15% N) fertiliser containing Sulphur (52.2 SO<sub>3</sub>) and chelated Micronutrients

- 3.24. SICOGREEN-L liquid NPK 2-4-9 + MgO + CTE (w/w)
- 3.25. SICOGREEN-L liquid NPK 2-9-6 + MgO + CTE (w/w)
- 3.26. SICOGREEN-L liquid NPK 4-2-7 + MgO + CTE (w/w)
- 3.27. SICOGREEN-L liquid NPK 5-2-7 + MgO + CTE (w/w)
- 3.28. SICOGREEN-L liquid NPK 6-3-6 + MgO + CTE (w/w)
- 3.29. SICOGREEN-L liquid NPK 7-3-6 + MgO + CTE (w/w)
- 3.30. SICOGREEN-L liquid NPK 7-4-7 + MgO + CTE (w/w)
- 3.31. SICOGREEN-L liquid NPK 7-4-8 + MgO + CTE (w/w)
- 3.32. SICOGREEN-L liquid NPK 7-7-7 + MgO + CTE (w/w)
- 3.33. SICOGREEN-L liquid NPK 10-3-3 + MgO + CTE (w/w)
- 3.34. SICOGREEN-L liquid NPK 10-4-7 + MgO + CTE (w/w)
- 3.34a. SICOPHYTE-50L: Potassium Phosphite 50% Liquid, 27.8% K<sub>2</sub>O + 41.7% P<sub>2</sub>O<sub>5</sub> + 45.7% PO<sub>3</sub> (w/v)
- 3.34b. SICOPHYTE-L liquid NPK 4.1-37.2-24.8 + CTE (w/v), concentrated Potassium Phosphite based liquid NPK with chelated trace elements which stimulates crop performance and improves plant nutrient health
- 3.34c. SICOGREEN-L POLYPHOS: liquid NPK 0-16.4-25 (w/w), EC fertiliser with high level of polyphosphates

- 3.35. SICOGREEN-L PREMIUM N: liquid solution of 21% N + 3% MgO + 8% SO<sub>3</sub> for foliar applications
- TOPSELLER** 3.36. SICOGREEN-L SILICIUM: liquid NPK 10-4-9 + 0.9% Silicium, combined action of NPK, Silicium and basic pH
- 3.37. SICOGREEN-L PHOS NP: liquid solution containing magnesium NPK 3.30.0 + 7MgO
- 3.38. SICOGREEN-L ALGA: liquid NPK 9-4-7 + TE + AA with 10% algae extract from *Ascomphyllum nodosum*
- 3.39. SICOGREEN-L liquid NPK 11-8-6 + CTE (Cu, Fe, Mn, Zn, B, Mo) low in chlor
- 3.40. SICOGREEN-L LIQUIZINC: liquid NP solution (3%N + 19.1%P<sub>2</sub>O<sub>5</sub> + 5.9%Zn + 5.3%SO<sub>3</sub>)
- 3.41. SICOGREEN-L liquid NPK 0-19-21 + CTE (Cu, Fe, Mn, Zn, B, Mo, low in chlor)
- 3.42. SICOGREEN-L liquid NPK 10-4-7 + CTE (Cu, Fe, Mn, Zn, B, Mo, low in chlor)
- 3.43. SICOGREEN-L CALPHOS: liquid NP fertiliser containing Calcium 4.4% CaO + 3.3% N (Ureic) + 24.2% P<sub>2</sub>O<sub>5</sub>
- 3.44. SICOGREEN-L liquid NPK's for Greenhouses. (NPK 4-3-4 + Mg+TE // NPK 10-2-5 +Mg+TE // NPK 17-2-5+TE)
- 3.46. SICOGREEN -L Potassium Resistance: liquid 3% N + 33% K<sub>2</sub>O
- 3.47. SICOGREEN -L Zinc Starter: liquid 3% N + 20% P<sub>2</sub>O<sub>5</sub> + 4.8% MgO + 3.2% Zn (ADR)
- 3.48. SICOGREEN -L High Zinc EDTA 115: liquid, Highest zinc efficiency & starter fertiliser for leaf and drip irrigation applications.

- 3.49 SICOGREEN -L Fe + Mn EDTA liquid 3.5% Fe + 2.8% Mn
- TOPSELLER** 3.50a SICOGREEN-L PRO CEREAL: Liquid NPK 25-0-0 + 4 MgO, clear liquid nitrogen solution with Magnesium Oxide ideal for cereal crops (foliar & micro-irrigation)
- TOPSELLER** 3.50b SICOGREEN-L STARTER: Liquid NP fertiliser solution with Magnesium and Manganese, P based clear liquid, 3% N + 19.5% P<sub>2</sub>O<sub>5</sub> + 4.5% MgO + 1.5% Mn
- TOPSELLER** 3.50c SICOGREEN-L DELIGHT: Liquid NPK 10-10-7.5 + CTE (w/v)

- 3.51 SICOGREEN-L QUICKPHOS Mg liquid NPK 0-30-5 + 7MgO (w/w), special starter & vegetative booster & greening effect
- 3.52 SICOGREEN-L FOLIAR EXTRA, plant growth developer, 15% N + 8% P<sub>2</sub>O<sub>5</sub> + 6% K<sub>2</sub>O + CTE (B, Cu, Mn, Mo, Zn + Vit B)

#### 4) SICOGREEN-S® suspension fertilisers:

Range of highly concentrated suspension formulations with spray additives to improve foliar nutrition efficiency. Specialised combinations of nutrient elements for solving even very specific nutritional problems.

- 4.1. Product group characteristics
- 4.2. SICOGREEN-S SUPERMIX NPK 24-24-18 + CTE (w/v)
- 4.2b. SICOGREEN-S SUPERMIX NPK 16-16-12 (w/v)
- 4.3. SICOGREEN-S SUPER P45, N+P 10+30 + 0.35 B + 0.35 Zn (w/w)
- 4.4. SICOGREEN-S SUPER Mg, NPK 30-0-22 + 6 MgO + CTE (w/v)
- 4.5. SICOGREEN-S SUPER B, NPK 30-0-22 + 3 MgO + 1.5B + CTE (w/v)
- 4.6. SICOGREEN-S SUPER Mn, NPK 32-0-24 + 3 MgO + 1.6Mn + CTE (w/v)
- 4.7. SICOGREEN-S SUPER Fe, NPK 16-0-32 + 3 MgO + 1.6Fe + CTE (w/v)
- 4.8. SICOGREEN-S POLYCHEL NPK, 15-0-15 + 4 MgO + 0.7Cu + 0.7Fe + 1.5Mn + 0.7Zn (w/v)
- 4.9. SICOGREEN-S TOPMICRO, NPK 7-0-15 + 4 MgO + 0.4B + 0.7Cu + 1.5Fe + 2.2Mn + 1.5Zn (w/v)
- 4.10. SICOGREEN-S HIGH Fe-Mn-Zn, 13.7 N + 4.1Fe + 5.5Mn + 4.1Zn + 7.5S (w/v)
- 4.11. SICOGREEN-S FERRO: New organic iron complex for prevention and control of iron deficiency: 7% N + 7% Fe (w/v) foliar solution)
- 4.12. SICOGREEN-S ZINC: New organic zinc complex for prevention and control of zinc deficiency, leaf fall in viticulture and pome fruits: 7% N + 8.6% Zn (w/v) (foliar suspension)
- 4.13. SICOGREEN-S MAGNESIUM 18 MgO + 1.5Mn + 1.0Zn + 0.45B + 6.5S (w/v)
- 4.14. SICOGREEN-S MANGANESE 7% N + 8.7%Mn (w/v)
- 4.15. SICOGREEN-S BORON NPK 11-13.7-0 + 9.6B + CTE (w/v)
- 4.16. SICOGREEN-S COPPER 6.8% N + 6.8% Cu (w/v)
- TOPSELLER** 4.17. SICOGREEN-S CALCIUM 16-0-0 + 3 MgO + 24CaO + CTE (w/v)
- 4.18. SICOGREEN-S Amino P-Rich: Suspension NPK 10.20.10 + 3.5 S + amino acids + CTE (w/v)
- 4.19. SICOGREEN-S SUN + OIL: Micronutrient fertiliser suspension with 8.4% Boron, 7% Manganese and 0.35% Molybdenum (w/v), special for oil seed rape and sunflower

- 4.21 SicoGreen-S Iron EDTA 100, safe foliar suspension for prevention and control of iron deficiency, 7.7% Fe EDTA (= 100 g/l)

#### NEW !! 5) SICOGREEN GEL: Specialty fertiliser gels for fertigation & foliar application: CONCENTRATED SUPER NUTRITION

- 5.1. SICOGREEN GEL Introduction & Advantages & Sales Rationale
- 5.2. SICOGREEN GEL Examples of some tailor-made formulations
- 5.3. SICOGREEN GEL Product survey : the range has been extended to 57 standard formulas.
- |        |  |                    |
|--------|--|--------------------|
| 5.3.1  | NOP NPK 13.5-0-46 + 28% SO <sub>3</sub> + CTE - neutral pH                                       | (red)              |
| 5.3.2  | KS FLOW 25% K <sub>2</sub> O + 22.5% SO <sub>3</sub>   | (= yellow flow)    |
| 5.3.3  | NKS 500 + CTE - neutral pH, 7% N + 50% K <sub>2</sub> O + 18% SO <sub>3</sub> + CTE              | (red)              |
| 5.3.4  | NKS 600 + CTE - neutral pH, 7% N + 60% K <sub>2</sub> O + 27% SO <sub>3</sub> + CTE              | (red)              |
| 5.3.5  | NKS 700 + CTE - neutral pH, 7% N + 70% K <sub>2</sub> O + 36% SO <sub>3</sub> + CTE              | (red)              |
| 5.3.6  | NKS 800 + CTE- neutral pH, 6% N + 80% K <sub>2</sub> O + 45% SO <sub>3</sub> + CTE               | (red)              |
| 5.3.7  | NKS 800 + AA + CTE - neutral pH, 6% N + 80% K <sub>2</sub> O + 45% SO <sub>3</sub> + 5% AA + CTE | (red)              |
| 5.3.8  | NP 40-4 + CTE - neutral pH, 40% N + 4% P <sub>2</sub> O <sub>5</sub> + CTE                       | (blue)             |
| 5.3.9  | NP 41-6 + CTE - neutral pH, 41% N + 6% P <sub>2</sub> O <sub>5</sub> + CTE                       | (blue)             |
| 5.3.10 | NP 42 + CTE - neutral pH, 42% N + CTE  | (green)            |
| 5.3.11 | NS GEL 35-30 - neutral pH, 35% N + 30% SO <sub>3</sub>   | (yellow)           |
| 5.3.12 | NS LIQUID 35-30 - neutral pH, 35% N + 30% SO <sub>3</sub>  | (= yellow liquid)  |
| 5.3.13 | NP 9-64 + 11% CaO + 1% MgO + B + Zn - low pH   | (white)            |
| 5.3.14 | NP 18-46 + 2% MgO - low pH   | (blue)             |
| 5.3.15 | NPK 5-45-50 + B + Zn + CTE - low pH  | (red)              |
| 5.3.16 | NPK 5-46-5 + 6% MgO + CTE - low pH   | (translucent blue) |
| 5.3.17 | NPK 5-70-5 + CTE - low pH  | (dark green)       |
| 5.3.18 | NPK 5-80-5 + CTE - low pH  | (yellow)           |
| 5.3.19 | NPK 6-47-44 + 4.5% CaO + 13.7% SO <sub>3</sub> + CTE - low pH                                    | (orange)           |
| 5.3.20 | NPK 7-11-54 + 10% SO <sub>3</sub> + 2% MgO + CTE - low pH  | (yellow)           |
| 5.3.21 | NPK 9-9-39 + 6.7% MgO + CTE - low pH   | (yellow)           |
| 5.3.22 | NPK 10-50-10 + CTE - low pH  | (yellow)           |
| 5.3.23 | NPK 10-6-30 + 27% SO <sub>3</sub> + CTE - low pH   | (red)              |

5.3.24	NPK 10-30-20 + CTE - neutral pH	(green)
5.3.25	NPK LIQUID 10-50-10 + CTE - low pH	(= green translucent liquid)
5.3.26	NPK 10-70-5 + CTE - low pH	(dark green)
5.3.27	NPK 12-44-12 + 6% CaO + 3% MgO + CTE - low pH	(white)
5.3.28	NPK 14-7-17 + 14% CaO + CTE - neutral pH	(white)
5.3.29	NPK 15-5-30 + 27% SO <sub>3</sub> + CTE - low pH	(red)
5.3.30	NP FLOW 12-61 + TE - low pH	(= yellow flow)
5.3.31	NP 14-61-0 + CTE - low pH	(green)
5.3.32	NP 16-55-0 + CTE - neutral pH	(green)
5.3.33	NP 17-46-0 + CTE - low pH	(green)
5.3.34	NP 18-46 + 2% MgO + CTE	(greenish blue)
5.3.35	NP 18-46 + 2% MgO + CTE - low pH	(yellow)
5.3.36	NPK 16-69-16 + CTE - low pH	(blue)
5.3.37	NPK 17-69-17 + CTE - low pH	(blue)
5.3.38	NPK 17-80-17 + CTE - low pH	(blue)
5.3.39	NPK 18-11-59 + 2% MgO + CTE - low pH	(red)
5.3.40	NPK 18-9-36 + 6% CaO + 3% MgO + CTE - low pH	(white)
5.3.41	NPK 20-20-20 + CTE - low pH	(green)
5.3.42	NPK 20-20-20 + 5% AA + CTE - low pH	(brown)
5.3.43	NPK 20-20-20 + 6% CaO + 3% MgO + CTE - low pH	(white)
5.3.44	NPK 23-23-23 + CTE - neutral pH	(green)
5.3.45	NPK 23-23-23 + 3.5% AA + CTE - neutral pH	(light brown)
5.3.46	NPK 27-27-27 + 3% MgO + CTE - low pH	(green)
5.3.47	NPK 30-30-30 + CTE - neutral pH	(green)
5.3.48	PK 0-37-50 + 22% SO <sub>3</sub> + CTE - low pH	(red)
5.3.49	PK 0-40-40 + CTE - neutral pH	(teal)
5.3.50	PK 0-43-50 + CTE - neutral pH	(red)
5.3.51	PK 0-52-34 + 21% SO <sub>3</sub> + CTE - low pH	(red)
5.3.52	PK 0-52-34 + 21% SO <sub>3</sub> + 3% FA + 2% AA + CTE - low pH	(light brown)
5.3.53	PK 0-52-67 + CTE - neutral pH	(green)
5.3.54	PK 0-55-72 + CTE - neutral pH	(honey)
5.3.55	P 0-55-0 - neutral pH	(translucent honey)
5.3.56	PK 0-68-80 + CTE - neutral pH	(yellow)
5.3.57	PK 0-69-25 + CTE - low pH	(yellow)

5.4. New range of SICOGREEN GEL NPK 7 formulations product survey & technical specifications

## D) CONTROLLED RELEASE (CRF) and SLOW RELEASE (SL) FERTILISERS

### 1) SICOCOTE SUPER: TRULY SUPERIOR Advanced Controlled Release fertiliser technology (ex EU)

1.0. **SICOCOTE SUPER: Intro: advanced controlled release fertilisers (CRF) & color promo leaflet**

1.1. **SICOCOTE SUPER -A (AGRICULTURE) (15 standard formulas)**

For agriculture, cereals, maize, rice, sugarbeet, universal etc., mostly partly coated.

1.1.1	SICOCOTE SUPER -A Coated N (3)	43.00.00
1.1.2	SICOCOTE SUPER -A Standard/Rice (4-5)	16.07.14
1.1.3	SICOCOTE SUPER -A High N (2-3)	26.05.11+2MgO
1.1.4	SICOCOTE SUPER -A High P (2-3)	16.24.10+2CaO+B
1.1.5	SICOCOTE SUPER -A High K (2-3)	15.00.25+2CaO
1.1.6	SICOCOTE SUPER -A Agro (2-3)	18.00.18+4CaO+B
1.1.7	SICOCOTE SUPER -A Agro (4-5)	16.08.16+4CaO+B
1.1.8	SICOCOTE SUPER -A Agro (2-3)	15.05.25+2CaO
1.1.9	SICOCOTE SUPER -A Agro (2-3)	16.24.10+2CaO+B
1.1.10	SICOCOTE SUPER -A Agro (3-4)	14.05.13+8CaO+B
1.1.11	SICOCOTE SUPER -A Agro (2-3)	16.10.16+4CaO+B
1.1.13	SICOCOTE SUPER -A Maize High N (4-5)	20.06.05+6CaO+3MgO+B
1.1.15	SICOCOTE SUPER -A Sugarbeet (5-6)	10.05.15+7CaO+3MgO+B

1.2. **SICOCOTE SUPER -H (HORTICULTURE & VEGETABLES) (15 standard formulas)**

For vegetables, brassica, leek, endive, tomato, capsicum, as substrate additive when growing vegetable seedlings, universal etc.

1.2.1	SICOCOTE SUPER -H Vegetables Fast N (3)	44.00.00
1.2.2	SICOCOTE SUPER -H Vegetables Slow N (5)	43.00.00
1.2.5	SICOCOTE SUPER -H Vegetables Balance (3)	10.10.17+6CaO+4MgO
1.2.6	SICOCOTE SUPER -H Leek High N (4-5)	21.00.14+5CaO+2MgO+B
1.2.7	SICOCOTE SUPER -H Leek (3-4)	16.05.17+4CaO+2MgO
1.2.8	SICOCOTE SUPER -H Brassica (4-5)	18.00.16+7CaO+3MgO
1.2.9	SICOCOTE SUPER -H Brassica (5-6)	20.00.14+4CaO+4MgO
1.2.10	SICOCOTE SUPER -H Endive (3-4)	19.09.10+2CaO
1.2.11	SICOCOTE SUPER -H Tomato OD (4-5) (out door)	10.05.20+6CaO+3MgO
1.2.12	SICOCOTE SUPER -H Tomato OD (5-6)	10.05.13+12CaO+5MgO
1.2.13	SICOCOTE SUPER -H Tomato GH (8-9) (green house)	13.05.19+4CaO+2MgO

1.2.14 SICOCOTE SUPER -H Capsicum OD (4-5) 11.05.21+5CaO+2MgO  
 1.2.15 SICOCOTE SUPER -H Capsicum OD (8-9) 12.06.19+4CaO+2MgO

1.3. **SICOCOTE SUPER-F (FRUIT) (17 standard formulas)**

For fruit, strawberries, citrus, melon, grapes, apples & pears, universal & special crops etc.

1.3.1 SICOCOTE SUPER -F Start (2-3) 16.08.15+2MgO+TE  
 1.3.2 SICOCOTE SUPER -F High N (5-6) 21.06.11+2MgO  
 1.3.3 SICOCOTE SUPER -F Balance (3) 10.10.17+6CaO+4MgO  
 1.3.4 SICOCOTE SUPER -F Apple (6) 12.06.12+8CaO+3MgO+B  
 1.3.5 SICOCOTE SUPER -F Apple Start (6) 14.05.15+5MgO  
 1.3.6 SICOCOTE SUPER -F Melon (6) 10.06.18+4CaO+3MgO+TE  
 1.3.7 SICOCOTE SUPER -F Grape Super (3-4) 15.06.21+2MgO  
 1.3.8 SICOCOTE SUPER -F Grape (5-6) 10.05.13+12CaO+5MgO  
 1.3.9 SICOCOTE SUPER -F Grape Fast N (3) 44.00.00  
 1.3.10 SICOCOTE SUPER -F Grape Slow N (5) 43.00.00  
 1.3.13 SICOCOTE SUPER -F Strawberry Low P (3) 14.00.20+2CaO+2MgO+B  
 1.3.14 SICOCOTE SUPER -F Strawberry (3-4) 21.05.10+2CaO+3MgO  
 1.3.15 SICOCOTE SUPER -F Strawberry Super (8-9) 14.05.17+4CaO+2MgO  
 1.3.16 SICOCOTE SUPER -F Strawberry (5-6) 16.07.10+2CaO+2MgO+B  
 1.3.17 SICOCOTE SUPER -F Strawberry (2-3) 18.05.11+5CaO+2MgO+B

1.4. **SICOCOTE SUPER-O (ORNAMENTALS) (14 standard formulas)**

For potplants & container grown nursery stock, outdoor (field grown), ornamentals, specialties, as a substrate additive when growing young ornamentals, hanging baskets etc.

1.4.1 SICOCOTE SUPER -O Balance (3) 14.14.14  
 1.4.2 SICOCOTE SUPER -O High N (6) 20.13.10+2MgO  
 1.4.3 SICOCOTE SUPER -O High N (8-10) 14.10.13+2MgO+TE  
 1.4.4 SICOCOTE SUPER -O High N (11+12) 14.10.12+2MgO+TE  
 1.4.5 SICOCOTE SUPER -O OD (4-5) 19.09.10+2MgO  
 1.4.6 SICOCOTE SUPER -O OD (5-6) 21.06.11+2MgO  
 1.4.7 SICOCOTE SUPER -O TOP (3) 15.09.15+2MgO+TE  
 1.4.8 SICOCOTE SUPER -O TOP (6) 14.09.14+2MgO+TE  
 1.4.9 SICOCOTE SUPER -O TOP (9) 14.08.14+2MgO+TE  
 1.4.10 SICOCOTE SUPER -O TOP (12) 14.08.13+2MgO+TE  
 1.4.11 SICOCOTE SUPER -O TOP Low P (5-6) 20.00.13+2MgO+TE  
 1.4.12 SICOCOTE SUPER -O TOP Start (6) 16.08.13+2MgO+TE  
 1.4.13 SICOCOTE SUPER -O TOP High K (6) 13.06.19+2MgO+TE  
 1.4.14 SICOCOTE SUPER -O TOP High K (9) 12.06.18+2MgO+TE

1.5. **SICOCOTE SUPER -SG (SPORTS & GREEN) – standard ca. 3.1mm granules (7 standard formulas)**

For sport fields, soccer & hockey fields, horse race courses & rugby pitches, golf, public green, garden lawns etc.

1.5.1 SICOCOTE SUPER -SG Basic (2-3) 26.05.11+2MgO  
 1.5.2 SICOCOTE SUPER -SG Starter (2-3) 16.24.10+2CaO  
 1.5.3 SICOCOTE SUPER -SG Spring (2-3) 31.05.05+2MgO  
 1.5.4 SICOCOTE SUPER -SG Autumn (2-3) 15.00.25+2CaO  
 1.5.5 SICOCOTE SUPER -SG Balance (3-4) 25.05.08+2CaO+2MgO+12SO3  
 1.5.6 SICOCOTE SUPER -SG All Seasons (4-5) 26.05.10+2CaO  
 1.5.7 SICOCOTE SUPER -SG Super (8-9) 21.05.10+4CaO+2MgO+9SO3

**TOPSELLER** 1.6. **SICOCOTE SUPER MINI -SG (SPORTS & GREEN) – in 1.8mm mini granule enriched with HUMIC ACIDS (5 standard formulas)**

Special range for golf courses & putting greens & tees-approaches, fairways, turf areas, high tech sportsfields, lawn tennis courts, bowling greens, ornamental lawns etc.

1.6.1 SICOCOTE SUPER MINI -SG High N (2-3) 27.05.11  
 1.6.2 SICOCOTE SUPER MINI -SG High K (2-3) 12.10.23+2MgO  
 1.6.3 SICOCOTE SUPER MINI -SG Balance (2-3) 18.07.18+2MgO  
 1.6.4 SICOCOTE SUPER MINI -SG Summer (3-4) 21.07.14+2MgO  
 1.6.5 SICOCOTE SUPER MINI -SG All Seasons (5-6) 20.10.10+2MgO

1.7. **SICOCOTE SUPER -P (PLANTATIONS) (17 standard formulas)**

Sustainable, reliable & more efficient nutrient solutions for specific plantation crops as Forestry, Rubber, Oil Palm, Bananas, Sugar Cane etc.

**Forestry (F)**

1.7.1.1 SICOCOTE SUPER -PF (9) 12.20.11+2MgO  
 1.7.1.3 SICOCOTE SUPER -PF (16-18) 12.12.12+2MgO

**Rubber (R)**

1.7.2.3 SICOCOTE SUPER -PR (16-18) 16.16.06+2CaO+3MgO

**Oil Palm (OP)**

1.7.3.1 SICOCOTE SUPER -POP (18) 20.06.08+2MgO  
 1.7.3.5 SICOCOTE SUPER -POP (10-12) 40.00.00

**Banana (B)**

1.7.4.1 SICOCOTE SUPER -PB Coated N (9) 41.00.00  
 1.7.4.3 SICOCOTE SUPER -PB (8-9) 10.06.20+2CaO+2MgO

**Sugar Cane (SC)**

1.7.5.1 SICOCOTE SUPER -PSC (7) 15.09.15+4MgO  
 1.7.5.2 SICOCOTE SUPER -PSC (10) 04.07.30+2MgO

## 2) SICOSLOW. SLOW RELEASE FERTILISERS (SRF) (ex EU)

Progressive liberation of nitrogen (urea formaldehyde & methylene urea based uncoated or partially coated) contained in "Sico SL" fertilisers is done in 2 ways : by hydrolysis and by microbial action to give outstanding efficiency.

Program comprises both compacted granules and granular blends.

- 2.1. Sico Methylene Ureas: product group characteristics & info
- 2.3. SICOSLOW SRF SUPER NPK 16.8.10 + 4MgO + TE
- 2.4. SICOSLOW SRF NPK 8.6.17 + 1MgO + 0.015 B
- 2.5. SICOSLOW SRF NPK 18.5.9 + 1MgO + 0.015 B

## 3) SICOMIX SRF SLOW RELEASE FERTILISERS IN TABLETS (T) AND POWDER (P) (ex EU)

- 3.1.1 SICOMIX SRF promo introduction + sales rationale
- 3.1.2 SICOMIX SRF comparative tests. The results of assessment of slow release fertilisers  
Sicomix SRF NPK 10.3-16.4-6.6 + 5.4MgO and Sicomix SRF Fortissimo NPK 18-17.9-10.8 + 9.2MgO

3.2 SICOMIX SRF tablets (T) & powder (P) NPK slow release fertiliser blends containing urea formaldehyde and high MgO contents, product survey

- 3.2.1. SICOMIX SRF nr. 1 NPK (MgO) 5.5-5.5-20 (7) (Powder)  
56% of total N from urea formaldehyde, for forest planting, ornamentals, fruit trees and shrubs, conifers
- 3.2.2. SICOMIX SRF nr. 2 NPK (MgO) 10-7-18 (7) (T/P)  
55% of total N from urea formaldehyde, for forest planting, ornamentals, fruit trees and shrubs, conifers
- TOPSELLER** 3.2.3. SICOMIX SRF nr. 3 NPK (MgO) 10-7-18 (7) + TE (T/P)  
34% of total N from urea formaldehyde, for forest planting, ornamentals, fruit trees and shrubs, conifers
- 3.2.4. SICOMIX SRF nr. 4 NPK (MgO, PGR) 10-7-18 (7) + PGR\* (T/P)  
30% of total N from urea formaldehyde, for forest planting, ornamentals, fruit trees and shrubs, conifers  
\* contains the Plant Growth Regulators (Naa-Na<sup>+</sup>; IBA-K<sup>+</sup>; DA-6; SNP-Na<sup>+</sup>)
- 3.2.5. SICOMIX SRF nr. 5 NPK (MgO) 10-13-6.5 (16) (T/P)  
60% of total N from urea formaldehyde, for forest planting in magnesium deficient soils
- 3.2.6. SICOMIX SRF nr. 6 NPK (MgO) 10-13-16.5 (14.5) (T/P)  
64% of total N from urea formaldehyde, for forest planting, strawberries, raspberries, blackberries, gooseberries, currant
- 3.2.7. SICOMIX SRF nr. 7 NPK (MgO) 10-26-10 (2) + TE (T/P)  
72% of total N from urea formaldehyde, for blooming shrubs, roses
- 3.2.8. SICOMIX SRF nr. 8 NPK (MgO) 11-17-8 (7) (T/P)  
60% of total N from urea formaldehyde, for forest planting, ornamentals, fruit trees and shrubs
- 3.2.9. SICOMIX SRF nr. 9 NPK (MgO, CaO, S) 12-5-20 (3-5-7) + TE (T/P)  
80% of total N from urea formaldehyde, for perennial plants. (special tailor-made formula for Korea with high Mn and Co)
- 3.2.10. SICOMIX SRF nr. 10 NPK (MgO) 17-17-5 (11) + TE (T/P)  
25% of total N from urea formaldehyde, for fruit trees and shrubs
- 3.2.11. SICOMIX SRF nr. 11 NPK (MgO) 17.5-17.5-10.5 (9) (T/P)  
60% of total N from urea formaldehyde, for balcony flowers, geranium, roses, forest and fruit nursery planting, fruit trees and shrubs
- 3.2.12. SICOMIX SRF nr. 12 NPK (MgO) 17.5-17.5-10.5 (9) + TE (T/P)  
30% of total N from urea formaldehyde, for balcony flowers, geranium, roses, forest and fruit nursery planting, trees and shrubs, peppers, tomatoes, wetland plants (water lilies etc)
- 3.2.13. SICOMIX SRF nr. 13 NPK (MgO) 17.5-17.5-10.5 (9) + TE (T/P)  
60% of total N from urea formaldehyde, for balcony flowers, geranium, roses, forest and fruit nursery planting, fruit trees and shrubs, peppers, tomatoes
- 3.2.14. SICOMIX SRF nr. 14 NPK (MgO) 19-7-11 (4.8) + TE (T/P)  
93% of total N from urea formaldehyde, for balcony flowers, geranium, roses, forest and fruit nursery planting, fruit trees and shrubs
- 3.2.15. SICOMIX SRF nr. 15 NPK (MgO) 20-5-10 (3.5) + TE (T/P)  
80% of total N from urea formaldehyde, for ornamentals, indoor plants, grapevine
- 3.2.16. SICOMIX SRF nr. 16 NPK (MgO) 20-10-5 (1.5) + TE (T/P)  
80% of total N from urea formaldehyde, for ornamentals, blooming shrubs, roses, strawberries, grapevine
- TOPSELLER** 3.2.17. SICOMIX SRF nr. 17 NPK (MgO) 20-15-10 (3.5) + TE (T/P) for blooming shrubs, roses, strawberries, grapevine
- 3.2.18. SICOMIX SRF nr. 18 NPK (MgO) 22-7-12 (2) + TE (T/P)  
60% of total N from urea formaldehyde, heaths plants, blue berries, rhododendrons, azaleas
- 3.2.19. SICOMIX SRF nr. 19 NPK (MgO) 24-5-10 (3.5) (T/P)  
80% of total N from urea formaldehyde, for ornamentals, indoor plants
- TOPSELLER** 3.2.20. SICOMIX SRF nr. 20 NPK (MgO) 24-5-10 (3.5) + TE (T/P)  
80% of total N from urea formaldehyde, for ornamentals, indoor plants
- 3.2.21. SICOMIX SRF nr. 21 NPK (MgO CaO S) 12-5-20 (3-5-7) TE (T/P)  
Slow release blended NPK fertiliser containing 80% urea formaldehyde nitrogen for perennial plants etc. Special tailor-made formula for Korea with high Mn and Co.

3.3. **SICOMIX Palm SRF Tablets.** NPK slow release tablets with methylene urea, potassium magnesium phosphate recommended for fertilisation of oil palm seedlings and trees. Survey (origin EU)

- 3.3.1. SICOMIX PALM SRF nr. 1 NPK (MgO) 7-4-33 (1) (T/P)
- 3.3.2. SICOMIX PALM SRF nr. 2 NPK (MgO) 9-5-22 (2) (T/P)
- 3.3.3. SICOMIX PALM SRF nr. 3 NPK (MgO) 12-12-17 (2.5) + TE (T/P)
- 3.3.4. SICOMIX PALM SRF nr. 4 NPK (MgO) 12-22-8 (3) + TE (T/P)
- 3.3.5. SICOMIX PALM SRF nr. 5 NPK (MgO) 12-24-18 (6) (T/P)

- 3.3.6. SICOMIX PALM SRF nr. 6 NPK (MgO) 14-14-19 (8) + TE (Powder)
- 3.3.7. SICOMIX PALM SRF nr. 7 NPK (MgO) 15-15-6 (7) (T/P)
- 3.3.8. SICOMIX PALM SRF nr. 8 NPK (MgO) 15-15-20 (9) + TE (T/P)
- 3.3.9. SICOMIX PALM SRF nr. 9 NPK (MgO) 16-8-24 (6) + TE (T/P)
- 3.3.10. SICOMIX PALM SRF nr. 10 NPK (MgO) 18-8-9 (3) + TE (T/P)
- 3.3.11. SICOMIX PALM SRF nr. 11 NPK (MgO) 23-10-11 (4) + TE (T/P)

#### **4) CONTROLLED RELEASE AND SLOW RELEASE UREAS (ex EU)**

- TOPSELLER** 4.1. SICUREA 46N: Granular Urea with Urease inhibitor
- TOPSELLER** 4.2. SICUREA 38N + 7.5S: Granular Urea with S + Urease inhibitor
- TOPSELLER** 4.5. SICO-SRN 28N: Slow release methylene urea nitrogen fertiliser solution, straight fluid fertiliser, 28% total N (w/w)
  - 4.5b. SICO-SRN 28N: extra sales rationale
  - 4.5c. SICO-SRN 28N: sales rationale on Foliar Application: Intracellular Dynamics
  - 4.5d. SICO-SRN 28N: notes on the miscibility of SICO-SRN 28, tips on mixing the main water soluble fertilisers with solutions containing SICO-SRN 28 (liquid methylene-urea)
- 4.6 SICO-SRN 40N DRY; Slow Release Nitrogen, Methylene Urea/Urea form, 40% N, granular
- 4.6b SICO-SRN 40N DRY: A unique and complex range of Methylene urea formulations for a controlled nitrogen fertilisation, available in different particle size.(leaflet)

### **E) SICO MICRONUTRIENTS & SPECIALTY FERTILISERS**

- Attention:** - Products printed in the same color are produced in same production site, so can more easily/economically be combined in a mixed 20ft container
- All products are E.U. origin unless otherwise mentioned
  - Some products return under another category.

#### **1) Micronutrients**

##### **1.0. Introduction**

##### **1.0.1 Sicochel and Chelaster fertiliser solutions + chelated applications**

##### **1.1. Micronutrients - Essential Elements:** General information

##### **1.2. SICOMICRO High Tech Granular Micronutrients (with special properties) (origin China)**

- 1.2.1.1. **Sicomicro-Palm**, 5% Zn + 5% Cu + 5% B<sub>2</sub>O<sub>3</sub> in a single granule (2-4 mm)
- 1.2.1.2. **Sicomicro-Fruit**, 5% Zn + 1% Cu + 2% Fe + 1% Mn + 3.2% B<sub>2</sub>O<sub>3</sub> + 0.05% Mo in a single granule (2-4 mm)
- 1.2.1.3. **Sicomicro-Tripower I**, 8% Zn + 0.5% Cu + 4% MN + 2% S in a single granule (2-4 mm)
- 1.2.1.4. **Sicomicro-Tripower II**, 6.8% MgO + 11% CaO + 6% S + 3% Zn + 9% B<sub>2</sub>O<sub>3</sub> in a single granule (2-4 mm)
- 1.2.1.5. **Sicomicro-King**, scientifically combined formula of secondary and trace elements in one granule (2-4 mm), 10% MgO + 11% Ca + 11% S + 0.25% Cu + 2% Fe + 1.5% Mn + 3% Zn + 0.0025% Mo + 1% B + 2% Si
- 1.2.1.6. **Sicomicro-Fert**, scientifically combined formula of secondary and trace elements in one granule (2-4 mm), 1.8% Mg + 25% Ca + 4.5% S + 1.8% Si + 0.4% B + 0.2% Zn + 0.02% Mo
- 1.2.1.7. **Sicomicro-Cal**, scientifically combined formula of secondary and trace elements in one granule (2-4 mm), 2.5% A-N + 7% W-K + 15% Ca + 0.35% Mn + 0.35% B + 0.36% Cu + 0.48% Zn. Mineral soil conditioner.
- 1.2.1.8. **Sicomicro-Rootmag**, 50% MgO in a single granule (2-4 mm) + Comparative trial tests
- 1.2.1.9. **Sicomicro-Clever**, 10% Ca + 4% S + 4% Si + 3% Mg + 1.5% Zn + 0.1% Cu + 0.5% Mn + 0.5% B + 1.0% Fe + 0.0025% Mo in a single granule (2-4 mm)
- 1.2.1.10. **Sicomicro-Mag 60**, slow disintegrating magnesium supplement containing 60% MgO in a single granule (2-4mm)
- 1.2.1.11. **Sicomicro-ZincMag** 6% Zn + 35% MgO in a single granule (2-4mm) (origin China)
- 1.2.1.12. **Sicomicro-Maxiforce**, scientifically combined formula of secondary and trace elements in one granule (2-4mm), 3.5% Ca + 13% MgO + 2% S + 1.9% + 1% Si + 1% Mn + 1% Zn + 0.5% Fe + 0.05% Cu + 0.0025% Mo (origin China)

##### **1.2.3. Sico-Multi Micros:** water soluble microgranular micronutrients range, new production process, instant solubility, green colored (5 formulas, 0.3-1.5 mm size) (origin China)

##### **1.4.a SICOMIX: Soluble mixes of EDTA chelated micronutrients in powder or microgranular form**

- TOPSELLER** 1.4.aa Sicomix Premium nr. 5: Soluble mix of EDTA chelated micronutrients
- 1.4.b Sicomix Albert Solution: Soluble powder
- 1.4.c Sicomix & Sicomix Super: General purpose micronutrient mixes
- 1.4.d Sicomix Micronutrients Mix: Example of tailor-made blend for Korea, 4.2% CaO + 9.8% MgO + 13.5% SO<sub>3</sub> + 1.7% B + 1.8% Cu + 7.5% Fe + 0.2% Mo + 3.5% Zn
- 1.5.12.1 Sicochel Supreme Mix: Chelate Mixture: Multi-Micronutrient fertilizer
- 1.5.12.3 Sicochel Mixtures: Mixtures of chelated trace elements for hydroponics or organic mediums for container plants
- 1.5.12.4 Sicochel Hydro Mixtures: Mixtures of chelated trace elements for hydroponics etc.
- 1.5.14.b Sicochel Microstar II: balanced source of essential micronutrients for treatment deficiencies in all crops

##### **1.5. SICOCHEL superior range of chelated micronutrients (powders) - SP chelates (soluble powders)**

- 1.5.1. Sicochel-SP Chelates: chelated trace elements (soluble powders): Introduction
- 1.5.2.a Sicochel Fe 6% EDDHA H.P.: High Performance, EDDHA chelate, containing 6% Fe for use on all soils, against iron chlorosis

- TOPSELLER** 1.5.2.b Sicochel Magic Fe 6% EDDHA Iron Chelate: 4.8 % Fe chelated by Ortho-Ortho EDDHA, containing 6% Fe

- 1.5.2.c Sicochel Fe EDDHA K 6% Iron Chelate: High Performance EDDHA chelate, containing 6% Fe for use on all soils, against iron chlorosis
- 1.5.3. Sicochel Fe 7% EDDHA-Economy: EDDHA chelate, containing 7% Iron as Fe
- 1.5.4. Sicochel Fe 13.2% EDTA: EDTA chelate, containing 13.2% Fe, for use on all soils, against iron chlorosis
- 1.5.5. Sicochel Fe 11%, DTPA: high quality Iron Chelate
- 1.5.6. Sicochel Mg 5.5% EDTA: EDTA chelate, containing 5.5% Magnesium as Mg
- 1.5.7. Sicochel Ca 9.5% EDTA: EDTA chelate, containing 9.5% Calcium as Ca
- 1.5.8. Sicochel Mn 13% -EDTA: EDTA chelate, containing 13% Mn
- 1.5.9. Sicochel Zn 14%-EDTA: EDTA chelate containing 14% Zn
- 1.5.10. Sicochel Co 13%-EDTA: EDTA chelate containing 13% Cu
- 1.5.11. Sicochel Cu 14%-EDTA: EDTA chelate containing 14% Cu
- 1.5.15. Sicochel Boron: 20% soluble boron fertiliser (not chelated)

## **1.6.CHELASTAR: 100% chelated micronutrients - powders and liquids**

### **1.6.0. Chelastar Promo leaflet**

#### **1.6.2. Chelastar Iron EDDHA Chelates**

- 1.6.2.1 Chelastar Standard Iron EDDHA 6% (3% ortho-ortho)
- 1.6.2.2 Chelastar Optimum Iron EDDHA 6% (3.5% ortho-ortho)
- 1.6.2.3 Chelastar Superior Iron EDDHA 6% (4% ortho-ortho)
- TOPSELLER** 1.6.2.4 Chelastar Premium Iron EDDHA 6% (4.8% ortho-ortho)
- 1.6.2.5 Chelastar Economy Iron EDDHA 7% Iron Chelate for moderately alkaline and calcareous soils

#### **1.6.3. Chelastar Single Element Chelates**

- 1.6.3.1 Chelastar CaO 14% EDTA (= 10% Ca)
- 1.6.3.2 Chelastar Copper 15% EDTA
- 1.6.3.3 Chelastar Iron 13% EDTA
- 1.6.3.4 Chelastar Magnesium 10% EDTA
- 1.6.3.5 Chelastar Manganese 13% EDTA
- 1.6.3.6 Chelastar Zinc 15% EDTA
- 1.6.3.7 Chelastar Fe-DTPA 6% (liquid)
- 1.6.3.8 Chelastar Fe-DTPA 7% (microgranular)
- 1.6.3.9 Chelastar Fe-DTPA 11% (microgranular)
- 1.6.3.12 Chelastar Premium Zinc HBED 9% microgranulate easily water soluble.

#### **1.6.4. Chelastar Premium Mix of trace elements**

- 1.6.4.1 Chelastar Jelena Premium Mix (microgranular), 5.3% Fe (EDTA) + 3% Mn (EDTA) + 2.3% Zn (EDTA) + 2.3% Cu (EDTA) + 1.2% B + 0.1% Mo
- 1.6.4.2 Chelastar Mae Premium Mix (microgranular), 6% Fe (EDTA) + 4% Mn (EDTA) + 3% Zn (EDTA) + 6% Amino Acids
- 1.6.4.3 Chelastar Loulou Mix (microgranular), 5% Fe (EDTA) + 2.5% Mn (EDTA) + 1% Zn (EDTA) + 2.5% Cu (EDTA) + 2.5% B + 0.035% Mo

- 1.6.8. **Chelastar Drip 25 CTE liquid:** Liquid mix of EDTA chelated trace elements with high 2.50% Fe (w/v), 0.0299% Cu (EDTA) + 2.5% Fe (EDTA) + 0.65% Mn (EDTA) + 0.2% Zn (EDTA) + 0.23% B + 0.025% Mo

## **1.7 ATTACK range** (powders and liquids)

- 1.7.1 Attack DF EDTA, very cost-effective, water soluble chelated micronutrient mix for both foliar and soil applications, 4.8% Zn + 3.2% Mn + 4% Fe + 0.8% Cu + 1.2% B + 0.02% Mo + EDTA
- 1.7.2 Attack-L Fe-EDTA 7.7% liquid
- 1.7.3 Attack Micromix, Microgranular chelated trace elements mix, 1.3% B + 0.3% Cu + 7.3% Fe + 3% Mn + 0.3% Mo + 1.6% Zn

## **1.10. Chinese Micronutrients:**

From our Chinese plants we offer: **Sico inorganic single micronutrient fertilisers and chelates:** survey

- 1.10.1. **Sicolene** range of Chelated Micronutrients (powders & liquids) (origin China)
- 1.10.2. **Sicolene Fe-EDDHA 6%** (4.8 o-o) (origin China)

**TOPSELLERS** **1.13. PROMISE range:** 4 fertilisers based on single macro-and microelements complexed with amino acids for soil & foliar & drip applications, allowed in organic agriculture

- Promise Ca
- Promise Cu
- Promise Mg
- Promise Zn

- 1.13.1 Sicomaster Oligomix SP Chelated microelements mixture, soluble powder with both EDTA and DTPA Iron, allowed in organic agriculture, 1.2% B + 0.1% Cu + 2.5% Fe (EDTA) + 1.5% Fe (DTPA) + 1.5% Mn (EDTA) + 0.1% Mo + 2% Zn (EDTA)
- 1.14.1 Sico Zincbor, liquid fertiliser based on 11.2% Zinc and 2.8% Boron (w/v)
- 1.14.2 Sico Bormol, liquid fertiliser based on 5.3% Boron, 2% Molybdenum and 0.5% Zinc (w/v)

**1.14.3 Ferromaster Line:** Fe-chelated based products used to prevent and treat Iron chlorosis of crops and to boost photosynthesis efficiency

- Ferromaster Rapid, 6% Fe (2.4% chelated by (o-o) EDDHA and 3.6% Fe chelated by (o-p) EDDHA)
- Ferromaster Max 44 (for soil applications), 6% Fe (4.4% Fe chelated by (o-o) EDDHA and 1.6% Fe chelated by (o-p) EDDHA)
- Ferromaster 6.2 -L (liquid for foliar), 6% Fe (6.2% Fe chelated by DTPA)



**1.15. PRIMO-FERRO: our new high-tech Iron Chelates.** Suitable for use in organic agriculture (origin EU)

1.15.0 Primo-Ferro intro

1.15.1 Primo-Ferro G42, Iron 6%: 4.2% o-o and 1.3% o-p

1.15.2 Primo-Ferro G48, Iron 6%: 4.8% o-o and 0.3% o-p

1.15.3 Primo-Ferro S33: Iron 6%: 4.0% o-o; >2.5% nitrogen (N) and >12% potassium (K<sub>2</sub>O)

1.15.4 Primo-Ferro S40: Iron in suspension: 3.3% w/w; 4.5% w/v

1.15.5 Primo-Ferro GK32, Chelated 6% Fe EDDHA (w/w) + 15% K<sub>2</sub>O (w/w)

1.15.6 Primo-Ferro Fe IDHA -L 40 (liquid): Iron 4% ws, chelated by IDHA

1.15.7 Primo-Ferro Fe IDHA -S 90 (solid/granular): Iron 9% ws, chelated by IDHA

1.15.8 Primo-Ferro Fe IDHA tables: Main Chelating Agents approved for use in Fertilisers. Biodegradation of chelates depending on the chelating agent.

1.15.9 Primo-Ferro Fe IDHA extra sales rationale

### **1.16. PRIMO-OLIGO, our new micronutrient deficiency correctors.**

1.16.0 Primo-Oligo intro

#### **a) MULTIPLE DEFICIENCIES CORRECTORS**

1.16.a1 Primo-Oligomix Delight (microgranular): Micronutrient mixture (Fe, Mn and Zn) chelated by EDDHA. Fe 4.5% w/w, Mn 1% w/w, Zn 0.5% w/w

1.16.a2 Primo-Oligomix -L Super (solution): NPK 6.4 - 6 - 7 solution with 2% w/w free amino and chelated mix of microelements (Mn, Zn, Cu EDTA chelated and Fe 0.10% EDDHSA chelated and B 0.015% and Mo 0.001%)

1.16.a3 Primo-Oligomix -L Top : Liquid mix of micronutrients (Fe, Mn, Zn, Cu). Fe 4.6% w/w chelated with EDDHSA, Mn 2.6% w/w, Zn 1.3% w/w, Cu 0.5% w/w, Mo 0.2% w/w

1.16.a4 Primo-Oligomix -L Star : Liquid mix of micronutrients (Fe, Mn, Zn, Cu). Fe 4.6% w/w chelated with EDDHSA, Mn 2.6% w/w, Zn 1.3% w/w, Cu 0.5% w/w, Mo 0.2% w/w, B 0.3% w/w

#### **b) SINGLE DEFICIENCIES CORRECTORS**

1.16.b1 Primo-Oligo -L EDDHA Zn: Zinc-based fertilizer solution chelated with EDDHA (2.3% w/w)

1.16.b2 Primo-Oligo EDDHA Zn Super: Chelated Zinc o-o and o-p EDDHA. 7% w/w zinc chelated with EDDHA 5.6% w/w

1.16.b3 Primo-Oligo -L Copper: Complexed copper. 5% w/w

1.16.b4 Primo-Oligo -L Copperstar: Complexed copper solution 5% w/w enriched with Chitosan 2% w/w suitable for organic agriculture.

1.16.b5 Primo-Oligo Calcium Fol: Calcium acetate solution 7.5% w/w CaO with zinc 0.3% w/w and 0.5% w/w manganese, suitable for organic agriculture.

**NEW!**

**1.18. SICO-DYNAMIC** world-class chelated micronutrients & plant nutrients etc., innovative & dynamic superior German quality with unique know-how

1.18.1 Plant Nutrients:

Sico-Dynaphos phosphorous based products

Sico-Dynachel chelated micronutrient solutions

Sico-Dynachel EDTA based single element chelates (solids)

1.18.2 Sico-Dynachel biodegradable micronutrients: Sico-Dynachel Complex

1.18.2a Sico Dynachel Cobalt Nutrient Solution 7% Co

1.18.2b Sico Dynachel Copper Nutrient Solution 9% Chelated Cu

1.18.2c Sico Dynachel DTPA Ferric Diammonium Solution 6% Chelated Fe

1.18.2d Sico Dynachel Iron Nutrient Solution 7.3% Chelated Fe

1.18.2e Sico Dynachel Manganese Nutrient Solution 6% Chelated Mn

1.18.2f Sico Dynachel Nickel Nutrient Solution 7% Chelated Ni

1.18.2g Sico Dynachel Zinc Nutrient Solution 9% Chelated Zn

1.18.3 Biogas Additives

1.18.4 Sico-Dynachel multi element mixtures for biogas & agriculture

## **2) Biostimulants (BS) & Plant Growth Regulators (PGR)**

2.11. **Sicogibb Gibberellic Acid:** plant growth regulators (complete program) (origin China)

2.12. **Sicogibb 6EC:** Gibberellic Acid 6% EC, plant growth regulator (origin China)

2.13. **Sicogibb Tab 10%:** Gibberellic Acid 10% soluble tablets, plant growth regulator (origin China)

2.13b. **Sicogibb Gibberellic Acid** 92% technical grade and 10% tablets (GA3) (origin China)

**NEW!** 2.19. **Sico Biurooter:** liquid rooting and vegetative development activator for soil application

**NEW!** 2.30. **Richcrop-L:** liquid organic growth promoter, fully derived from vegetal extract for use in organic agriculture

**TOPSELLER** 2.32. **Sicolex range:** range of liquid specialties for nutrition and increasing plant defence mechanisms

**Sicolex:** NPK 0-30-20 (w/w)

**Sicolex Cu:** NPK 9.6-20.8-0 + 13 B + 4 Cu + 0.12 Zn (w/w)

**Sicolex N Top:** NPK 23.4-5.2-0 + 0.03 B + 1 Cu + 0.03 Zn (w/w)

**Sicolex Zn:** NPK 4-28-0 + 8 Zn

2.33. **Sico-Delicrop:** natural anti-stress promoter based on vegetal extract and amino acids

**TOPSELLER** 2.34. **Sico Sili-Plus,** liquid specialty activator & barrier containing 30.5% SiO<sub>2</sub> + 16.3% K<sub>2</sub>O

2.35. **Sico Activa-L,** balanced plant growth. Fruit uniformity and size increase (for foliar and drip application)

2.36. **Sico-Redstar,** liquid fruit enlargement promoter for foliar application.

2.36.1 **Sicosucol+K,** liquid sugar and color promoter for foliar spray & drip irrigation, 4.2% N + 27.8% K<sub>2</sub>O + 44.8% Polysaccharides, Carboxylic acids, Activators

2.39. **Sico-Stimcrop Plus,** Osmoprotectant for hot & dry conditions. Contains Glycine Betaine and Seaweed extract

- 2.40. **Sico-Greenkeeper -L**, Osmoprotectant against cold weather conditions (liquid). Soluble for use in organic farming. (for foliar & drip application)
- 2.41. **Sicotonic**, Natural anti-stress process activator and promoter (for foliar & soil application)
- 2.42. **Sico-Leardite 84 SP**, Nutrients uptake improver with 84% (w/w) humified organic matter. Soluble black powder for drip irrigation
- 2.43. **Sico-Multifol**, Multiple action revitalizer. Stimulates resistance to high temperatures and drought (for foliar application).
- 2.44. **Sico-Rootbooster -L**, Boots roots health & antistress (liquid) Suitable for use in organic agriculture & drip irrigation.

**TOPSELLER** 2.45. **Sicomer Power**, Powerful special seaweed extract. Natural growth promoter & anti-stress

2.46. **SICOBIO product line: Specialised products containing Amino Acids, Peptides and Proteins from vegetal origin**

A. Biostimulants composed of low molecular weight amino acids and peptides

- Sicobio Root**, natural Rhizogenic biostimulant (liquid)
- Sicobio Plus**, physio activator – fruit set and growth promoter (liquid)
- Sicobio Complex**, enriched biostimulant (liquid)
- Sicobio Gel**, leaf & root bioactivator gel

B. Bio-Encapsulated

- Sicobio-K**, bio-encapsulated acidified potassium (liquid)

C. Amino Acid biostimulant

- Sicobio-Amino 24**, wholly natural biostimulant with rich aminogram + peptides

**TOPSELLER**

**3) Humic Substances & Fulvic Acids & Amino Acids (Biostimulants & Biological Activators)**

**A/ Range from E.U.:**

- 3.2. **Sico Prohumic** concentrated high soluble potassium humate (crystal-like granules, min. 60% humic acid (in dry matter) for all types of fertigation systems
- 3.2.4. **Sico Prohumic-85**, concentrated potassium humate (granular), min. 85% humic acids
- 3.10. **Sico Humiplex-15 liquid**, solution of 12% humic acid + 3% fulvic acid (w/w)

- 3.3. **Sico Humus 85 WSG**: Plant Growth stimulant & organic soil conditioner

**TOPSELLER** 3.7. **Sicogreen-L Amino**: liquid organic biostimulant 9% N + 766 g/l amino acids for foliar application and in fertigation

- 3.13. **Aatonic-L liquid**: natural anti-stress process activator and promoter for foliar application
- TOPSELLER** 3.14.1 **Aminotonic-L liquid**: natural biological growth activator based on amino acids and peptides
- 3.14.2 **Aminotonic-GR granular**: natural biological growth activator based on amino acids and peptides, in microgranules, for foliar and soil applications
- 3.15. **Leardite-L**: liquid natural organic soil amendment with high content of fulvic and humic acids extracted from Leonardite, for soil application & drip irrigation

**TOPSELLER** 3.16. **Revita-HAFA**: liquid 100% based on vegetal origin, high humic & fulvic acid content suitable for organic Agriculture

**TOPSELLER** 3.17.1 **Sicamino-L**: liquid organic growth activator with amino acids, for use in organic agriculture for foliar application

- 3.17.2 **Sicamino-L**: Quality Certificate & Aminogram

**TOPSELLER** 3.17.3. **Primo-Amino -L Bioactivators**: to stimulate growth. Premium Amino Acid micro suspension concentrate, balanced aminogram with high free amino acid – 10% w/w. EC fertiliser for radical or foliar application

**B/ Range from China:**

- 3.20.1. **Sico-Aminomax 30 + TE**, Amino Acids 25-30% + Fe ≥ 10% + Nitrogen 7-10%, water soluble powder
- 3.20.2. **Sico-Aminomax 50**, Amino Acids 40-50% + 17% Nitrogen, in powder, exists in 2 formulas:
  - a/ chlorinated chloride ≥ 30%
  - b/ virtually chloride-free
- 3.20.3. **Sico-Aminomax 80**, Enzymolysis plant amino acids soluble powder, 80% Amino Acids + 13.5% Organic N
- 3.20.4. **Sico-Aminomax -L liquid**, Amino Acids 10% + Fulvic Acids 4% + trace elements
- 3.20.5. **Sicomax Amino Acids Series: Survey**
  - 3.20.5.1 **Sicomax Amino Acid + Chelated Cu 10 (chlorinated)**
  - 3.20.5.1. **Sicomax Amino Acid + Chelated Cu 10 (chloride-free)**
  - 3.20.5.2. **Sicomax Amino Acid + Chelated Fe 10**
  - 3.20.5.3 **Sicomax Amino Acid + Chelated Zn 10**
  - 3.20.5.4. **Sicomax Amino Acid + Chelated Ca 10**
  - 3.20.5.5. **Sicomax Amino Acid + Chelated Mg 6**
  - 3.20.5.6. **Sicomax Amino Acid + Chelated Mn 10**
- 3.20.12. **Sico-Aminomax 50 PL**, Amino Acids 40-50%+15% N, plant based, slow release formula, chloride free, powder
- 3.20.13. **Sico-Aminomax 50 CL**, Amino Acids 40-50%+15% N, plant based, slow release formula, chlorinated, powder
- 3.20.14. **Sico-Aminomax 50 AB**, Amino Acids 40-50%+17% N, animal based formula, chlorinated, powder
- 3.21.1. **Sico-Humimax 60**, Humic Acid (Dry Basis) 60% (2-4mm granular, not water soluble)
- TOPSELLER** 3.21.2. **Sico-Humimax 80**, Economical potassium humate organic fertiliser fully water soluble (available in flake, powder and granular forms)

- TOPSELLER** 3.21.3. **Sico-Humimax 100**, Unique water soluble potassium humate derived from Leonardite with extremely high (80%) humic and fulvic acid (25%) contents + 10% K<sub>2</sub>O (available both in flake and powder forms)
- 3.21.4. **Sico-Humimax Black Star**, Humic Acid (Dry Basis) 25% (in 2-3mm granules, not water soluble)
- 3.21.5. **Sico-Humimax -L liquid**, 4% Humic Acids + 2% Fulvic Acids + NPK 10.5.5
- 3.21.6. **Sico-Potassium Humate 70**, Humic Acids 70% + 10% K<sub>2</sub>O
- 3.21.7. **Sico-Fulvimax 60**, Fulvic Acids 60% - Used both as fertiliser and feed additive, fully water soluble
- 3.21.8. **Sico-Fulvimax 70**, Fulvic Acids 70% - Used both as fertiliser and feed additive. **Especially used as on cotton!**
- 3.21.9. **Sico-Fulvimax 95**, Fulvic Acids 95% - Used both as fertiliser and feed additive

- 3.21.0a. **Sico-Humimax-SBG**, Potassium Humates, shiny black granules, Type 1: 70/10/10, Type 2: 60/20/10
- 3.21.0b. **Sico-Potassium Humate-SBG**, Humic Acid 55% + Fulvic Acid 45% + Amino Acids 5%, K<sub>2</sub>O 12%, shiny black granules & fully water soluble

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### 3.25. Sico Humic Acid Series products: Product Survey

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3.26. **Sico Humiforte SP**, 30% humic acids + 10% fulvic acids + 10% amino acids + 30% seaweed extract, fully water soluble powder

3.27. **Sico Humiforte L low pH liquid**, humic acids + fulvic acids + amino acids + seaweed extract + K<sub>2</sub>O

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3.31.1 **Sicamino-AA** Amino Acids compound powders, chlorine free, fully water soluble fertilisers

3.31.2 **Sicamino-AA80** 80% Compound Amino Acid Powder Fertiliser (plant origin, enzymatic hydrolysis)

3.32. **Sicamino-AH** Amino Humic, shiny balls (round granules), specialty fertiliser for soil application

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3.28. **Sico Amino Acids 50%**, compound amino acid soluble powder 50% (foliar fertiliser)

3.29. **Sicorgan-Amino-GR**, organic granular amino acid fertiliser 7% N + 25% humic acids + 4% amino acids + 8% S (45% OM)

3.30. **Sicorgan-Amino-GR Type 2**, organic granular amino acid fertiliser 12% N + 1.5% K<sub>2</sub>O + 27% humic acids + 2.7% amino acids + 12% S (25% OM)

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3.21.5b. **Sico-Humimax Nano**, 15% Humic Acids + 2% Fulvic A

## 4) Calcium formulations

4.0.0. **Calcium as soil conditioner** - technical notice

4.0.1. **Notice Importance of Calcium**

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**TOPSELLER** 4.1. **Tree-Cal**: 15% N + 22.50% CaO + 3% MgO + chelated trace elements (liquid): improves fruit quality

**TOPSELLER** 4.3.2. **Sicalnit-L Plus**: Liquid calcium nitrate solution with 15% CaO+ 10% N + 2% MgO, pH 4.6, density 1.5

**TOPSELLER** 4.3.3. **Sicalnit-L 8.7 N**: Liquid calcium nitrate solution with 17.5% CaO (254 g/l)+ 8.7% N (126 g/l), pH 2-5, density 1.45

4.8. **Sico-Sol (L)** Liquid EC fertiliser based on Calcium Chloride 16.8% CaO (223 g/l), pH 8.3, density 1.33

4.9. **Sicogreen Calphos** Liquid NP fertiliser containing NP 4.4% CaO (57 g/l) + 3.3% Ureic N (43 g/l) + 24.2% P<sub>2</sub>O<sub>5</sub> (315 g/l), pH 1.3, density 1.3

**NEW!** 4.10. **Sico-Solcal**, liquid calcium chloride solution of 16.8% CaO (223 g/l)

4.12. **Sico-Polycal**, concentrated calcium formulation with polypeptides and microelements, new liquid for foliar application, 20% CaO + 0.6% Mn + 0.6% Zn (w/v)

4.13. **Sico-Soilneutraliser**, liquid soil conditioner based on a mixed solution of calcium and magnesium (with de-salinity effect)

4.18. **Sico-CalBoZinc-L**, liquid fertiliser designed for the prevention and cure of deficiencies to calcium, zinc and boron in all crops, 8.6% Ca + 0.8% B + 1% Zn + Amino Acids

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4.19. **Sicorgan Cal-Bor (liquid)**, specialty liquid Calcium & Boron formulation with 20% organic matter

**TOPSELLER** 4.21 **Sicomer-Cal** Seaweed Lime 36.4% Ca, 52% N.V., granular (from coccolites), permitted in biological agriculture and horticulture, gives strong biological activity in the soil

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4.11. **Sico Calcimin**, granular calcium fertiliser with micronutrients. Mineral soil conditioner, slow release fertiliser (origin China)

## 5) Boron formulations & Plant nutritional supplements

**TOPSELLER** 5.4.1. **Borostar B15 (L)**: Liquid Boron 15%

**TOPSELLER** 5.7. **Sicoflow Bor**: New generation boron formulation: Calcium Borate fertiliser in suspension, 7% B + 12% CaO

5.8. **Sicoflow Jelena**: Perfect Boron (7.3%), Manganese (4.4%) and Sulphur (30% SO<sub>3</sub> = 12% S) suspension

5.9. **Sicomag+B**, 40% MgO + 11% B<sub>2</sub>O<sub>3</sub> in a single granule (2-4.5 mm), high tech fertiliser (origin China)

5.10.1 **Sicoflowbor+Mo**, Liquid Boron (8%) fertiliser containing high molybdenum (0.80%)

5.10.2 **Sicoflowbor+Mo+S** Liquid Boron (7.4%) fertiliser containing high molybdenum (0.74%) and Sulphur (34.5%SO<sub>3</sub>)

**TOPSELLER** 5.11 **Sicoflow Bor + Micros**, based on Calcium Borate and micro-nutrients 5.75% B+ 10% CaO+ 0.78% Mo+ 34.2% SO<sub>3</sub>

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5.12 **Sicalbor-L**, proprietary liquid formulation based on 12.9% Calcium, 2.6% Boron and 0.26% Zinc EDTA (w/v)

5.14. **Sico Zincbor**, liquid fertiliser based on 11.2% Zinc and 2.8% Boron (w/v)

5.15. **Sico Bormol Zinc**, liquid fertiliser based on 5.3% Boron, 2% Molybdenum and 0.5% Zinc (w/v)

5.5. **Sicostar B21**: Boron 21% soluble powder

5.6. **Sicofert Boron NP11.5-5.5 + 2.2% B**: Ideal bulkblend component with high Boron

## 6) Sulphur formulations

**TOPSELLER** 6.2.2 **Sico-Ecosulf 90 Granular**: Ecological Granulated Mineral Fertiliser, produced exclusively from sulphur obtained by underground smelting. Composed of 90% total sulphur (S) and 10% refined high-purity sodium bentonite

**TOPSELLER** 6.2.3 **Sico-Ecosulf micro 800SC**: Mineral suspension fertiliser made of ground elemental sulfur, which allows for its effective use by plants, reaching about 80%.

**TOPSELLER** 6.8. **Sicostar Pro-Sulphur**: Sulphur trioxide (72% SO<sub>3</sub>) suspension in 12.5% nitrogen solution containing 2% magnesium

6.10 **Sicoflow Mang+Sul**, Liquid Manganese (11% Mn) based fertiliser solution with sulphur (17.6% SO<sub>3</sub>)

6.10.1 **Sicoflow Mang+Cop**, Fertiliser containing Sulphur (33.5%), Copper (2.35%) and Manganese (7.2%)

6.11 **Sicoflow Brennan**, Liquid fertiliser containing Sulphur (30% SO<sub>3</sub>), 2.35% Copper and 7.2% Manganese for foliar applications

**NEW!** 6.12. **Sicofol-L100**, liquid higher 19.9% N content and excellent source of sulphur (79.8% SO<sub>3</sub>) w/v

## 7) Fertigators & Foliar fertilisers

7.1. **Sico-Molybcob**: Special micronutrient suspension 15% Mo + 3% Co (w/v)

7.12. **Sicophos-L85**: Phosphoric Acid 85% H<sub>3</sub>PO<sub>4</sub> (E338), horticultural & foodgrade

7.18. **Sicostar P-30**: special liquid 30% w/w (42% w/v) P<sub>2</sub>O<sub>5</sub> fertiliser

7.22. **Sicofol Magic Fe**: Iron (6.25% w/v) complexed by amino acids (total 31.25% w/v), liquid fertiliser

7.23. **Sicofol Magic P**: NPK 3.27.0 + 7 MgO + Fe + Zn (solution), inorganic fluid

7.24. **Sicofol Magic PK**: NPK 3.14.19 + B + Mn + Mo; inorganic fluid Phospho-Potassic

7.30. **Sicoripener-L**, premium liquid mineral fertiliser, special high performance formulation for ripening improvement & wood ripening enhancement, contains 21% P<sub>2</sub>O<sub>5</sub> + 28% K<sub>2</sub>O + 0.14% B + 0.14% Mn EDTA + 0.014% Mo (w/v)

7.31. **Sico Greencontrol-L** (liquid): reduces vegetative excess (esp. in nurseries). Promotes the strengthening and the productive activity, contains 20.3% P<sub>2</sub>O<sub>5</sub> + 27.3% K<sub>2</sub>O + 0.14% B + 0.14% Cu EDTA + 0.14% Mn EDTA + 0.7% Mo (w/v)

7.32. **Sico-KP Reinforcer**: premium liquid mineral fertiliser for plant nutrition and reinforcement, contains 49.3% P<sub>2</sub>O<sub>5</sub> + 23.2% K<sub>2</sub>O + 2.9% MgO + 0.073% Cu EDTA (w/v)

7.33. **Sico-Dual**: fluid organic fertiliser for rooting and fruit set enhancement (allowed in organic farming)

**TOPSELLER** 7.35. **Sico-Combiphos + Mg**, liquid fertiliser with 45% P<sub>2</sub>O<sub>5</sub> + 27% K<sub>2</sub>O + 10.4% MgO (w/v).

**NEW!** 7.36. **Sicofol PK** 43%P<sub>2</sub>O<sub>5</sub> + 56% K<sub>2</sub>O (w/w), very high PK content foliar fertiliser.

7.38. **Sico-Nitrothio-SL**, balanced, slow-release nitrogen derived from methylene-urea, enhanced with potassium, DTPA chelated Iron (Fe) and Algae, vegetative enhancer.

7.39. **Sicopotasse-L**, liquid high K (40% K<sub>2</sub>O) + S (27% SO<sub>3</sub>) fertiliser with 0.14% B + 0.30% Zn EDTA (w/v)

7.40. **Sico specialty Greenhouse fertilisers**

1/ **Sico-Aminit-L** 18% N

2/ **Sico-Magnit-L** 10% MgO

3/ **Sicalnit-L** 8.7% N

4/ **Sico-Nitacid-L** 5.6% N

5/ **Sico-Nitacid-L** 8.5% N

6/ **Sico-Phosacid-L** 43% P<sub>2</sub>O<sub>5</sub>

7/ **Sico-Solcal-L** 16.8% CaO

## 8) Nutritional Supplements

8.6. **SICOFLOW LIQUIDS: TOPSELLERS**

8.6.1. **Sicoflow Cu 250**: Cu based (250 g/l) flow, copper oxychloride suspension, 19.2% (250 g/l) total Copper, for foliar Application (ADR)

8.6.3. **Sicoflow Mag**: Magnesium hydroxide suspension with 25% total MgO (338 g/l)

8.6.4. **Sicoflow Mn 260**: Manganese (260 g/l) flow, based on manganese carbonate and nitrate, for foliar application

**TOPSELLER** 8.6.5. **Sicoflow Zn 600**, Zn based (600 g/l) flow, (zinc hydroxide), 35% total zinc fertiliser for direct soil and foliar applications (ADR)

**TOPSELLER** 8.6.6. **Sicoflow Nitrosul**, high sulphur trioxide (72% SO<sub>3</sub>) suspension in a nitrogen (12.5% N) solution with 2% MgO, for use on cereals

**TOPSELLER** 8.6.7. **Sicoflow Bor**: New generation boron formulation: Calcium Borate fertiliser in suspension, 7% B + 12% CaO

**TOPSELLER** 8.6.8. **Sicoflow Bor+Micros**: E.C. fertiliser based on Calcium Borate and micro-nutrients 5.75% B + 10% CaO + 0.78% Mo + 34.2% SO<sub>3</sub>

8.6.9. **Sicoflow Mang+Cop**: liquid EC fertiliser based on Copper oxychl 2.35% Cu + 2.1% Ureic N + 33.5% SO<sub>3</sub> + 7.2% Mn

8.6.11 **Sicoflow-Mae**, suspension manganese based fertiliser 3.8% N + 3.3% Mn + 5.4% MgO + 16.3% SO<sub>3</sub>

8.6.12 **Sicoflow High Mang+Sul**, foliar suspension manganese fertilizer with high Sulphur 2% N + 4.7% Mn + 47% SO<sub>3</sub>

8.11. **Sicogreen Calphos**: Liquid NP fertiliser containing 4.4% CaO + 3.3% N + 24.2% P<sub>2</sub>O<sub>5</sub>

- TOPSELLER** 8.13. **Peptamin-L**, rich in organic nitrogen (6.6%) & organic matter (50%) (w/v). Suitable for organic agriculture.
- TOPSELLER** 8.14. **Sicofol-N30**, 100% liquid nitrogen for all crops, in the 3 main forms (nitric, ureic and ammoniacal in a balanced ratio)
- 8.15. **Sico-Magnit**, fertiliser based on crystalline magnesium nitrate with 11% Nitric N+15.5% MgO (w/w). Suitable in drip irrigation & hydroponics.
- TOPSELLER** 8.16.1 **Sicothio + 36K**, high sulphur and potassium. Liquid fertiliser containing potassium thiosulphate (KTS), chloride Free, 36.2% K<sub>2</sub>O+ 61% SO<sub>3</sub> + 40.6% Thiosulphate (S<sub>2</sub>O<sub>3</sub>) (w/v) (origin EU)
- 8.17. **Sico Combiphos-L**, N+P 10-30 (w/w) liquid starter fertiliser characterized by gradual release
- 8.22. **Nitrical-Mag**, High Calcium, Magnesium and Nitric Nitrogen liquid fertiliser (for foliar & drip applications), contains 8% Nitric N + 10% CaO + 4% MgO (w/w)

### 9) Adjuvants water conditioners & spray additives

9.3. **Leafsorb**: Liquid NK fertiliser & adhesive coadjuvant wetting agent.

9.8. **Sico-pH Master**, pH buffer and sticker. Special liquid NP fertiliser, dispersing and acidifying agent, lowers pH (3.8% N+28.7% P<sub>2</sub>O<sub>5</sub>) (w/v) (ADR).

9.10. **Sicosorb**: Water retaining super absorbing, potassium based polymer for plant cultivation, forestry, general + Advantages & benefits (origin China)

### 10) Specialty ZINC formulations - See also under our various chelated zinc micronutrients

**OPSELLER** 10.7 **Sicogreen -S Zinc**: New organic zinc complex for prevention and control of zinc deficiency, leaf fall in viticulture and pome fruits: 8.6% Zn + 7% N (w/v) (foliar suspension)

10.8 **Sico-Zinit**: zinc nitrate solution 42% (w/w), liquid foliar fertilizer, 6.2% N + 14.5% Zn (w/w)

**OPSELLER** 10.1 **Sicoflow Zn 600**, Zn based (600 g/l) flow, (zinc hydroxide), 35% total zinc fertiliser for direct soil and foliar applications

10.9 **Sico-Zinit-L**: Zinc water soluble, EC fertiliser in solution basis of zinc nitrate (14.7% Zn)

10.10 **Sicogreen-L Liquizinc** Liquid NP fertiliser solution 3% N + 19.1% P<sub>2</sub>O<sub>5</sub> + 5.9% Zn + 5.3% SO<sub>3</sub> (ADR)

10.13 **Sicogreen-L Zinc Starter** (liquid) 3% N + 20% P<sub>2</sub>O<sub>5</sub> + 4.8% MgO + 3.2% Zn (ADR)

10.14 **Sicogreen-L High Zinc EDTA** (liquid) Highest zinc efficiency & starter fertiliser for leaf and drip irrigation applications, 9% Zn EDTA (115 g/l)

**NEW!** 10.12 **Promise Zn**: liquid fertiliser based on 10% w/v zinc complexed with 24.5% total Amino-Acids (w/v), 23.8% organic matter, allowed in organic agriculture

10.15. **Sico Zincbor**, liquid foliar fertiliser based on 11.2% Zinc and 2.8% Boron (w/v)

### 11) Specialty COPPER formulations

11.1 **Sicoflow Cu 250**: Cu based (250 g/l) flow, copper oxychloride suspension, 19.2% total Copper, for foliar application.

11.2 **Sicoflow Mang+Cop**: Liquid fertiliser based on Copper oxychloride 2.35% Cu+ 2.1% Ureic N+ 30% SO<sub>3</sub>+ 7.4% Mn

### 12) Specialty MANGANESE formulations

12.1 **Sicoflow Mang+Sul**, Liquid foliar Manganese (11% Mn) based fertiliser solution with sulphur (17.6% SO<sub>3</sub>), high Manganese + Sulphur

12.2 **Sicoflow Mang+Cop**, Liquid fertiliser with 7.2% Mn + 2.35% Cu + 33.5% SO<sub>3</sub> (ADR)

### 13) Specialty IRON formulations

13.1 **Sicogreen-L Fe + Mn EDTA**, liquid 3.5% (46 g/l) Fe + 2.8% (36 g/l) Mn

13.2 **Sicogreen-S Iron EDTA**, Safe foliar suspension for prevention and control of iron deficiency, 7.7% (100 g/l) Fe EDTA

#### 13.3 Ferromaster Line

**Ferromaster Rapid (for soil applications)**, 6% Fe with 2.4% chelated Fe by (o-o) EDDHA + 3.6% chelated by (o-p) EDDHA

**Ferromaster Max 44 (for soil applications)**, 6% Fe with 4.4% chelated Fe by (o-o) EDDHA + 1.6% chelated by (o-p) EDDHA

**Ferromaster 6.2 -L (liquid for foliar)**, 6% Fe with 6.2% water soluble Fe chelated by DTPA

### 14) Sico Thiosulphate solutions

14.0 **Sicothio + 36K**, high sulphur and potassium. Liquid fertiliser containing potassium thiosulphate (KTS), chloride free, 36.2% K<sub>2</sub>O+ 61% SO<sub>3</sub> + 40.6% Thiosulphate (S<sub>2</sub>O<sub>3</sub>) (w/v) (origin EU)

14.0.1 **Sicothio + 36K**, High performance liquid fertiliser Potassium Thiosulphate (KTS) solution, containing 36.8% K<sub>2</sub>O + 25% S (w/v), (origin Turkey - produced under Belgian licence, not available for all markets)

14.0.2 **Sicothio + Ca/S**, Calcium Thiosulphate, high performance liquid fertiliser containing 7.5% Ca + 12.5% S (w/v), (origin Belgium, not available for all markets)

14.1 **Sico-Calthio Calcium Thiosulphate solution**, 7.5% Ca + 12.5% S (w/v) (origin China)

14.2 **Sico-K-thio Potassium Thiosulphate solution**, 36.2% K<sub>2</sub>O + 24.6% S (w/v) (origin China)

14.3 **Sico-Am-thio Ammonium Thiosulphate solution**, 16% N + 35% S (w/v) (origin China)

14.4 **Sico-Magthio Magnesium Thiosulphate solution**, 7% MgO + 11.3% S (w/v) (origin China)

## F) SICOFLOR\* PEAT & PEAT SUBSTRATES & GROWING SUBSTRATES & POTTING SOILS

### 1. SICOFLOR: Promo leaflet

#### 1.0. SICOFLOR GERMAN Growing Substrates and potting soils (in 80 ltr (DIN) bags (= 70 ltr EN)):

A complete range for successful horticulture: product survey

\*ATTENTION: This range also exists under our LOUFLOR / PRIMOFLOOR and PROFIFLOOR bags/brands

- TOPSELLER** 1.1. Type 1: Seedling & Young plant substrate. Sowing substrate (Art. no. 3362)
- 1.1B Type 1B: Seedling & Young plant substrate with PERLITE. Sowing substrate, high air capacity required (Art. no. 3362/B)
- 1.2. Type 2: Plant (potting) substrate (Art. no. 3364)
- TOPSELLER** 1.3.1. Type 3: Compressed peat pot substrate (blocking compost) (Art. no. 3365A)
- 1.3.2. Type 3: Compressed peat pot substrate (blocking compost) special with 1.5 kg PG MIX (Art. no. 3365B)
- TOPSELLER** 1.4. Type 4: Universal Potting Soil for hobby gardens (Art. no. 3625). **Also available in 20 ltr (EN) bags.**
- TOPSELLER** 1.5. Type 5: Container (potting) substrate (Art. no. 3367)
- 1.6. Type 6: Azalea substrate (Art. no. 3368)
- 1.7. Type 7: Tray (sowing) substrate (Art. no. 3369)
- 1.8. Type 8: Clay potting substrate (Art. no. 3370)
- 1.9. Type 9: Universal substrate (3-4M) incl. slow release NPK 16.11.11 + starter NPK 18.10.20 (Art. no. 3371)
- TOPSELLER** 1.10. Type 10: Universal substrate incl. starter NPK 18.10.20 (Art. no. 3372)
- 1.12. N10: Tobacco substrate for swimming cultivation, including starter fertiliser NPK 18.10.20
- 1.13. N11: Tobacco substrate for non-swimming cultivation, including starter fertiliser NPK 18.10.20
- 1.14. N12: Substrate for sowing and pricking, including starter fertiliser NPK 18.10.20
- 1.15. N13: Substrate for cultivation, including starter fertiliser NPK 18.10.20
- 1.17. N15: Sicoflor potting soil, enriched with starter fertiliser NPK 14.16.18 and an organic fertiliser.

Examples of tailor-made substrates:

- 1.18. Sicoflor Syria: customized growing substrate tailor-made for Syria.
- 1.19. Sicoflor Smix Orchid: customized growing substrate tailor-made for Réunion.

### 2. SICOFLOR BALTIC (LATVIAN) Peats (in 250 ltr EN bales) your ideal humus maker !

- 2.0. Product survey
- 2.1. **Baltic peat standard range**
- 2.1.1 Type 1: Baltic peat standard: 100% white peat, pH 3, without wetting agent
- 2.1.2 Type 2: Baltic peat standard: 100% white peat, pH 3, with wetting agent
- 2.1.3 Type 3: Baltic peat standard: 100% white peat, lime, NPK 18.10.20 fertiliser, pH 5-6, without wetting agent
- 2.1.4 Type 4: Baltic peat standard: 100% white peat, lime, NPK 18.10.20 fertiliser, pH 5-6, with wetting agent
- 2.1.5 Type 5 Baltic peat standard: 0-40mm, pH 2.5-3.5, without wetting agent
- 2.1.6 Type 6 Baltic peat standard: 0-40mm, pH 2.5-3.5, with wetting agent
- 2.1.7 Type 7 Baltic peat standard: 0-40mm, pH 5-6, with wetting agent
- 2.1.8 Type 8 Baltic peat standard: 0-40mm, pH 5-6 + PG mix, with wetting agent
- 2.2. **Baltic peat extra range**
- 2.2.1. Type 1: Baltic peat extra 0-7 mm: 100% white peat, pH 2.5-3.5, without wetting agent
- 2.2.2. Type 2: Baltic peat extra 0-7 mm: 100% white peat, pH 2.5-3.5, with wetting agent
- 2.2.3. Type 3: Baltic peat extra 7-20 mm: 100% white peat, pH 2.5-3.5, without wetting agent
- 2.2.4. Type 4: Baltic peat extra 7-20 mm: 100% white peat, pH 2.5-3.5, with wetting agent
- 2.2.5. Type 5: Baltic peat extra 20-40 mm: 100% white peat, pH 2.5-3.5, without wetting agent
- 2.2.6. Type 6: Baltic peat extra 20-40 mm: 100% white peat, pH 2.5-3.5, with wetting agent

### 3. SICOFLOR BALTIC (LATVIAN) Peat Substrates (in 250 ltr EN bales): For fast germination and growth.

For sowing germination and growth: product survey & specifications (Art. No BPS 1-6)

- 3.1. Sicoflor Substrate 1 (Art. No. BPS 1)
- 3.2. Sicoflor Potting Substrate (Art. No. BPS 2)
- 3.3. Sicoflor Substrate 2 (Art. No. BPS 3)
- 3.4. Sicoflor Clay Potting Substrate (Art. No. BPS 4)
- 3.5. Sicoflor Poinsettia and Cyclamen Substrate (Art. No. BPS 5)
- 3.6. Sicoflor Substrate 1 80/20 (Art. No. BPS 6)
- 3.7. Sicoflor Baltic Peat Special Mix Substrate 80/20 + Clay Powder Fine structure (Art. No. BPS 7)
- 3.8. Sicoflor Baltic Peat Substrate, special formula for rice seedling.
- 3.9. Sicoflor Baltic Peat Substrate PB Sub 0-5 mm + Perlite, special formula for Iraq etc.

We can supply mixes as per client's specific crop & soil requirements. Tailormade. Please contact us.

We also supply SICOGREEN HP (High Performance) PG MIX water soluble NPK's (see Chapter C – SICOGREEN 1.6.2.)  
We supply also SICO powdered horticultural micronutrients (slow release) for application to all potting soils and composts.  
(see Chapter E - SICO MICRONUTRIENTS).

### 4. SICOFLOR ESTONIAN Peat Substrates and Peatmoss (in 70 ltr EN bags).

**Most competitively priced. Topquality directly from Estonia (shipping ex Tallin) for VISIBLE SUCCES.**

- General introduction & guidelines
- Indicative pricelist
- Sales rationale

- 4.1.a Sicoflor SPS M4 Dark, seedling substrate, Type 1A (item code 112339)

- 4.1.b. Sicoflor SPS M11 100% Light P (+ perlite), seedling substrate, Type 1B (item code 113896)
- 4.2. Sicoflor SPS PP1 Medium Light, plant (potting) substrate, Type 2 (item code 113618)
- 4.3. Sicoflor SSB M5 100% dark, compressed peat pot substrate, Type 3 (item code 113201)
- 4.4. Sicoflor SPS BP1 Medium Light A, Type 4 (item code 113703)
- 4.5. Sicoflor SPS M1 light, incl. starter fertiliser NPK 17.10.14 + 4 MgO, Type 5 (item code 113030)
- 4.7. Sicoflor SSB M4 dark, Type 7 (item code 111202)
- 4.8. Sicoflor SSB PP1 Medium Light, clay potting substrate, Type 8 (item code 113619)
- 4.10. Sicoflor SPS M6, Type 10 (item code 112720)
- 4.11. Sicoflor SPS M5 100% Dark, Type 11 (item code 113200)
- 4.12. Sicoflor SPS M2 EC 0.6, Type 12 (item code 112989)
- 4.15. Sicoflor SPS PP Medium P, Type 15 (item code 113820)
- 4.18. Sicoflor SSB M7 100% dark, Type 18 (item code 111203)
- 4.19. Sicoflor SPS M9 100% DA EC 1.5, Type 19 (item code 113705)
- 4.20. Sicoflor SSB M9 100% DA EC 1.5, Type 20 (item code 113693)
- 4.21. Sicoflor SPM Peatmoss Medium, Type 21 (item code 110279)
- 4.22. Sicoflor SPM Peatmoss Coarse, Type 22 (item code 110280)
- 4.23. Sicoflor SPS BP5 Coarse FR, Type 23 (item code 112988)
- 4.24. Sicoflor SPS BP6 X Coarse FR, Type 24 (item code 112994)
- 4.25. Sicoflor SSB BP6 X Coarse FR, Type 25 (item code 113015)
- 4.26. Sicoflor SSB M2 EC 0.6, Type 26 (item code 113016)
- 4.27. Sicoflor SSB BP7 X Coarse FR P, Type 27 (item code 113895)

## **G) SICO® ORGANIC AND ORGANO-MINERAL ECOLOGICAL FERTILISERS & SOIL CONDITIONERS : YOUR INDISPENSABLE GROWTH SUPPORT !**

### **1) SICORGAN Organic & Organo-mineral fertilisers in 3-5mm pellets (granules) and in 1-3mm crumbs - ex our Belgian plant**

**A very succesful range with fast increasing exports: low price + high quality !**

**!! Attention : This range is available under different brands/bag designs as SICORGAN / NATURACTIV / PLANTAFERT / SICO-ECOGRO / PRIMOGREEN / GREEN PLANET / SICO-ECOPROF**

Thanks to an **exclusive high tech production technique** this range is 1/ natural, 2/ dehydrated, 3/ active and alive, 4/ soluble and not leachable, 5/ always available nutrients, 6/ practical.

- |                  |        |  |
|------------------|--------|--|
|                  | 1.0.1. | Sico organic NPK fertilisers : general Information & promoleaflet  |
|                  | 1.0.2. | Sicorgan production process  |
|                  | 1.0.3. | Custom mixed organo and organo-mineral fertilisers   |
| <b>TOPSELLER</b> | 1.1.   | Sicorgan organic NPK 4.3.3 + 1 MgO (68% OM) (pure dehydrated poultry manure: 100% organic natural fertiliser)  |
|                  | 1.2.   | Sicorgan -BIO organic NPK 4.3.3 + 1 MgO (70% OM) (pure dehydrated poultry manure: 100% organic natural fertiliser)   |
|                  | 1.3.   | Sicorgan organic NPK 2.4.3 + 1 MgO (60% OM)  |
| <b>TOPSELLER</b> | 1.4.   | Sicorgan -N Cure organo-mineral NPK 8.3.3 + 1 MgO (60% OM)   |
| <b>TOPSELLER</b> | 1.5.   | Sicorgan -K Cure organo-mineral NPK 4.2.10 + 1 MgO (53% OM)  |
| <b>TOPSELLER</b> | 1.6.   | Sicorgan -P Cure organo-mineral NPK 4.10.2 + 1 MgO (58% OM)  |
|                  | 1.7.   | Sicorgan organo-mineral NPK 2.3.6 + 1 MgO (59% OM)   |
|                  | 1.8.   | Sicorgan organo-mineral NPK 2.6.3 + 1 MgO (59% OM)   |
| <b>NEW!</b>      | 1.9.   | Sicorgan organo-mineral NPK 4.3.7 + 1 MgO (60% OM), special for coffee, potato, tobacco etc  |
|                  | 1.10.  | Sicorgan organo-mineral NPK 5.5.5 + 1 MgO (55OM)   |
|                  | 1.11.  | Sicorgan organo-mineral NPK 6.2.2 + 1 MgO + 0.7 MgO (68 OM), for lawns, golf courts, rice cultivation etc  |
|                  | 1.12.  | Sicorgan organo-mineral NPK 6.3.3 + 1 MgO (60% OM), for lawns, golf courts, rice cultivation etc   |
|                  | 1.13.  | Sicorgan organo-mineral NPK 9.3.3 + 1MgO (55% OM) (4mm)  |
|                  | 1.14.  | Sicorgan organo-mineral NPK 9.5.3 + 1MgO (48% OM) (4mm)  |
|                  | 1.15.  | Sicorgan -N High organo-mineral NPK 10.2.1 + 1 MgO (52% OM)  |
|                  | 1.16.  | Sicorgan -N High organo-mineral NPK 10.2.2 + 1 MgO (52% OM)  |
|                  | 1.17.  | Sicorgan -N High organo-mineral NPK 10.3.3 + 1 MgO (50% OM)  |
|                  | 1.18.  | Sicorgan -N High organo-mineral NPK 10.3.4 + 1 MgO (45% OM)  |
|                  | 1.19.  | Sicorgan -N High organo-mineral NPK 10.4.1 + 1 MgO (50% OM)  |
|                  | 1.20.  | Sicorgan -N High organo-mineral NPK 10.4.3 + 1 MgO (45% OM)  |
|                  | 1.21.  | Sicorgan dried cow manure, organic NPK 3-2-3.5 + 1 MgO (65% OM)  |
|                  | 1.22.  | Naturactiv organic NPK 4.3.3 + 1 MgO : promoleaflet  |
|                  | 1.23.  | Naturactiv: Guaranteed quality and safety and extra sales rationale :<br>- special production process<br>- organic matter replacement in the soil<br>- humic and fulvic acids and amino acids in our organic fertilisers<br>- some testresults |
| <b>NEW!</b>      | 1.24.  | Sicorgan organo-mineral NPK 8.6.7 + 0.7 MgO (46% OM)   |
| <b>NEW!</b>      | 1.25.  | Sicorgan Crumb organic crumb fertilisers (1-3 mm pellets). Ideally suitable for precision farming, mixing in growing substrates and potting soils and fertilising of lawns, golf-courses and sports fields.                                    |

### **NEW! 2) SICORGAN GEL 100% organic PLANT NUTRITION range – (made in E.U.)**

- 2.0.1 Sicorgan Gel organic plant nutrition INTRO: premium organic plant nutrition in gel formulation, for demanding farmers. Introduction & Benefits & Sales Rationale

- 2.0.2 Sicorgan Gel organic plant nutrition SURVEY
- 2.1 Sicorgan Gel NPK 2-0-3 + TE (97 OM), pH 5-6
- 2.2 Sicorgan Gel NPK 2-20-25 + TE (32 OM), pH 7-8
- 2.3 Sicorgan Gel NPK 5-5-5 + TE (70 OM), pH 6-7
- 2.4 Sicorgan Gel NPK 0-43-51 + TE (18 OM), pH 5-6
- 2.5 Sicorgan Gel NPK 3-0-25 + TE (35 OM), pH 5-6
- 2.6 Sicorgan Gel NPK 10-15-17 + 14 AA + TE (35 OM), pH 6-7
- 2.7 Sicorgan Gel NPK 15-15-17 + 14 AA free + TE (37.2 OM), pH 6-7
- 2.8 Sicorgan Gel NPK 17-15-17+ 14 AA free + TE (25 OM), pH 6-7
- 2.9 Sicorgan Gel NPK 25-13-18 + 1.5 AA free, pH 5-6
- 2.10 Sicorgan Gel NPK 21-0-0 + TE (46 OM), pH 6-7
- 2.11 Sicorgan Gel NPK 2-0-3 (85 OM), pH 6-7 = TOPSELLER : 85% organic matter !
- 2.12 Sicorgan Gel seaweed mix, 4% N + 16% algae + TE, pH 5-6
- 2.13 Sicorgan Nitracal, 23% N + 20% CaO + 11% F.A. (13 OM), pH 6-7
- 2.14 Sicorgan Nitracal, 16% N + 27% CaO + 5% F.A. (10 OM), pH 6-7
- 2.15 Sicorgan amino flow, 10% free AA + TE (flow liquid)
- 2.16 Sicorgan Cu20, 20% Cu + 25% SO3 (soluble concentrate, gluconic acid complex)

### 3) SICORGAN® Single Organic Fertilisers – (made in Belgium)

- 3.1. Sico-Vinasse 37% K2O + 44.8% SO3, biological long lasting source of potassium and sulphur (by-product from beet molasses), low in chloride.
- 3.2. Sico-Vinasse -L NPK 3.0.7, liquid concentrated molasses vinasse, biological fertiliser
- 3.3. Sico-Organosop, organic potassium sulphate powder min. 47% K2O

### 4) SICO-COMBISULPHATE (Polysulphate): New granular 2-4 mm low chlor sulphate fertiliser for better crops – (made in E.U.)

**TOPSELLER** 4. Sico-Combisulphate 14% K2O + 6% MgO + 17% CaO + 48% SO3, granular 2-4 mm sulphate fertiliser (low chlor)

**TOPSELLERS :**

### 5) SICOBIO, High Tech range of LIQUID organic fertilisers for foliar application & irrigation & hydroponics – (made in E.U.)

#### **5.1 Liquid organic Single element fertilisers**

- 5.1.1.1 Sicobio Calcium, 8% CaO, 10% organic matter (OM), pH 5-6
- 5.1.1.2 Sicobio Calcium, 7% CaO + TE, 10% OM, pH 5-6
- 5.1.2.1 Sicobio high K, 15% K2O, 6% OM, pH 4-5
- 5.1.2.2 Sicobio Potassium, 10% K2O, 4% OM, pH 4-5
- 5.1.3 Sicobio Mag, 5% MgO + 10% SO3, 1% Amino Acids (AA), 15% OM, pH 4.5-5
- 5.1.4 Sicobio Nitro (2023), 10% Total N (9.6% N-org, 0.4% N-NH4) 47% OM, pH 4.5-5.5
- 5.1.5 Sicobio Phos, 8% P2O5 + 1.5% N, 6% OM, pH 3.5-4.5

#### **5.2. Liquid organic NPK fertilisers**

- 5.2.1 Sicobio NPK 3.2.4 High Organic + 10.8% Fulvic Acids (FA), 35% OM, pH 5-6
- 5.2.2 Sicobio NPK 3.3.3 High Organic + 16.3% FA, 30% OM, pH 4-6
- 5.2.3 Sicobio NPK 4.1.5 High Organic + 16-20% OM, pH 4-5
- 5.2.4.1 Sicobio NPK 4.2.8, 7% OM, pH 5-6
- 5.2.4.2 Sicobio NPK 4.2.8 High Organic, 26% OM, pH 5-6
- 5.2.5 Sicobio NPK 5.2.2 High Organic + 26% Amino Acids, 26% OM, pH 4-6
- 5.2.6 Sicobio NPK 5.2.5, 7% OM, Na2O < 0.1%, SO3 < 0.1%, Cl < 0.1%, pH 4-5
- 5.2.7.1 Sicobio NPK 7.2.3, 7% OM, pH 4-5
- 5.2.7.2 Sicobio NPK 7.2.3 High Organic, 37% OM, pH 5-6

#### **5.3. Liquid organic Trace elements**

- 5.3.1 Sicobio Boron, 4.7% B, pH 13.5-14
- 5.3.2 Sicobio Copper, 5% Cu, pH 4
- 5.3.3 Sicobio Iron, 5% Fe, complexed by ligno sulphonic acid, pH 4.5
- 5.3.4 Sicobio Manga, 6% Mn, by ligno sulphonic acid, pH 7
- 5.3.5 Sicobio Molyb, 4.1% Mo, pH 6-10
- 5.3.6 Sicobio Trace, 0.28 B + 0.46 Cu + 0.91% Fe + 1.37% Mn + 0.008% Mo + 0.91% Zn, pH 5
- 5.3.7 Sicobio Zinc, 7.5% Zn, complexed by ligno sulphonic acid, pH 5.5

#### **5.4. Liquid organic Biostimulants**

- 5.4.1 Sicobio Amino, Total N 6.5%, 60% OM, 30% organic carbon, 23% humic extract, 13% free amino acids, 6.2% polysaccharides, pH 5.5-7.5
- 5.4.2 Sicobio Amino Premium, Total N 3.8%, 30% OM, 15% organic carbon, 1.5% fulvic acids, 22% total amino acids, free l- α amino acids 15%, pH 4.8-5.8
- 5.4.3 Sicobio Amino 24, Total N 4.6%, 37% OM, 29% total amino acids, 23% free amino acids 15%, pH 5.1-5.3

#### **5.5. Liquid organic Sicobio Nutri range**

- 5.5.1 Sicobio Nutri flowering plants, NPK 3-2-6 + 0.8 MgO + TE, pH 3.5-4.5  
High concentration Organic liquid fertiliser specially designed for plants with flowers in soil or pot, providing a good basis for a healthy flower.
- 5.5.2 Sicobio Nutri green plants, NPK 6-1.8-3 + 0.8 MgO + TE, pH 3-4



- High concentration Organic liquid fertiliser specially designed for green plants in soil or pot, providing a solid base and healthy foliage.
- 5.5.3 Sicobio Nutri vegetables garden, NPK 5.2-1.9-5.2 + 0.8 MgO + TE, pH 3.5-4.5  
High concentration Organic liquid fertiliser specially designed for vegetables in soil or pot, providing a solid base and healthy foliage.

## 6) SICOCORR: SICOCORR Mycorrhizal Fungi - (made in E.U.)

Use beneficial Micro-organisms for plants in an innovative way to enable sustainable life on earth.

- 6.0. Sicocorr Intro + Product review
- 6.1. Sicocorr Hobby
- 6.2. Sicocorr Garden Special
- 6.3. Sicocorr Fertagri
- 6.4. Sicocorr Garden Greens
- 6.5. Sicocorr Garden Top
- 6.6. Sicocorr Garden Ericoid
- 6.7. Sicocorr Park & Forest
- 6.8. Sicocorr Benefit

## 7) SICO ECOGREEN: organo-mineral lawn fertilisers – (made in Belgium)

(only available in 20/25 kg plain white plastic bags with product label or in big bags

**Remark** : Regular crumbs (RC) or Microcrumbs (MC)

- 7.0. **Sico Ecogreen Survey**, organo-mineral lawn fertilisers, regular crumbs (RC) (2.01 – 3.5 mm size)
- 7.1. Sico Ecogreen 3 in 1, Fertiliser + Anti-Moss Action + Bacteria  
Compound organic NPK fertiliser 6.3.5 + 106 CFU/g bacteria, with 0.88 % iron disodium EDTA + 0.6 % dehydrated iron sulfate (35 OM)
- 7.2. Sico Ecogreen IAAM, Fertiliser with Indirect Action Against Mosses + MgO + Bacteria.  
Compound organic NPK fertiliser 5.5.20 +3 MgO + 106 CFU/g Bacteria (25 OM)
- 7.3. Sico Ecogreen Recovery, Ideal after scarification + powered with Sico-Humiplex.  
Compound organic NPK fertiliser 8.6.13 +3 MgO + Humiplex (25 OM)
- 7.4. Sico Ecogreen Gazon Booster, Fertiliser for a quick start and strong lawns, powered with Sico-Humiplex.  
Compound organic NPK fertiliser 12.3.3 +3 MgO + Humiplex (30 OM)
- 7.5. Sico Ecogreen Universal, Fertiliser for each type of lawn: lawn construction and maintenance.  
Compound organic NPK fertiliser 9.3.3 +3 MgO (30 OM)
- 7.6. Sico Ecogreen Bacter, contains compound organic NPK fertiliser 5.5.20 + 3 MgO (25 OM) with bacteria (RC dust proof crumbs 2.1-3.5mm size) - Indirect action against mosses.

## 8) SICO PROTURF: Range of premium quality organic and organo-mineral turf fertilisers for professional use – (made in Belgium)

(only available in 20/25 kg plain white plastic bags with product label or in big bags

**Remark** : Regular crumbs (RC) or Microcrumbs (MC)

- 8.0. **Sico Proturf Survey**: this range brings professional solutions for treatment on golf courses, football pitches, sport- and cricketfields, amenity etc.
- 8.1. Sico Proturf Starter, NPK 18.3.3 (35 OM) (RC/MC)
- 8.2. Sico Proturf Fairway, NPK 9.3.5 + 3 MgO (30 OM) (RC/MC)
- 8.3. Sico Proturf Green Pelouse, NPK 16.3.8 + 2 MgO + 1 Fe + Bacteria (25 OM) (RC/MC)
- 8.4. Sico Proturf Autumn, NPK 5.5.20 + 3 MgO (25 OM) (RC/MC)
- 8.5. Sico Proturf Recovery, NPK 8.6.13 + 3 MgO + Sico-Humiplex (25 OM) (RC/MC)
- 8.6. Sico Proturf Potash, NPK 0.0.32 (MC)

## 9) SICO ECOPROF: Range of premium quality organic and organo-mineral ecological and biological fertilisers for professional use – (made in Belgium)

(only available in 20/25 kg plain white plastic bags with product label or in big bags

**Remark** : Regular crumbs (RC) or Microcrumbs (MC)

9. **Sico Ecoprof Survey**: this range brings professional solutions for ecological fertilisation of vegetables, fruit, greenhouse crops, tree farms & nurseries and for landscaping and organic farming.
- 9.1. Sico Ecoprof 1 NPK 7.3.8 (35 OM) (RC)
- 9.2. Sico Ecoprof 2 NPK 7.5.8 + 3 MgO (35 OM) (RC)
- 9.3. Sico Ecoprof 3 NPK 10.3.15 + 2 MgO (25 OM) (RC)
- 9.4. Sico Ecoprof 4 NPK 10.3.9 (25 OM) (RC)
- 9.5. Sico Ecoprof 5 NPK 7.3.11 + 3 MgO (35 OM) (RC)
- 9.6. Sico Ecoprof Phos NPK 5.25.0 (25 OM) (RC)
- 9.7. Sico Ecoprof Dried cow manure (55 OM) (RC)
- 9.8. Sico Ecoprof Bio 1 NPK 9.3.3 (35 OM) (RC) - *authorised for organic biological farming*
- 9.9. Sico Ecoprof Bio 2 NPK 6.5.10 + 4 MgO (25 OM) (RC) - *authorised for organic biological farming*
- 9.10. Sico Ecoprof Bio 3 NPK 4.4.4 + 2 MgO (35 OM) (RC) - *authorised for organic biological farming*
- 9.11. Sico Ecoprof Bio 4 NPK 3.6.12 + 3 MgO (30 OM) (RC) - *authorised for organic biological farming*
- 9.12. Sico Ecoprof Bio 5 NPK 4.3.3 (50 OM) (RC) - *authorised for organic biological farming*
- 9.13. Sico Ecoprof Bio 6 NPK 2.2.2 (60 OM) (RC), soil amendment from vegetal origin - *authorised for organic biological farming*
- 9.14. Sico Ecoprof Bio 7 NPK 6.3.12 + 2 MgO (35 OM) (RC) - *authorised for organic biological farming*

- 9.15. Sico Ecoprof Bio Fertil NPK 3.2.3 + Trichoderma + Bacteria (40 OM) (RC) - *authorised for organic biological farming*
- 9.16. Sico Ecoprof Dried Bloodmeal, 13% Organic N (90 OM) (RC)
- 9.17. Sico Ecoprof Hoof and Hornmeal 13, 13% Organic N (powder)
- 9.18. Sico Ecoprof Bonemeal 6, 6% organic N + 16% P<sub>2</sub>O<sub>5</sub> (powder)
- 9.19. Sico Ecoprof Biol NPK 3.0.6, organic liquid fertiliser
- 9.20. Sico Ecoprof Algol, pure liquid seaweedextract

## **H) SICO SEAWEED BASED FERTILISERS: The sea brings life to your soil !**

**ATTENTION:** products printed in the same color are produced in same production site, so can more easily/economically be combined in a mixed 20ft container

### **1 - PRODUCTION IN THE E.U.**

1.4.2. SEACALMIN: Dry granular Irish calcified seaweed.

1.5. SICOMARE "SOILBUILDER" Composted Seaweed granular: Provides an immediate food source to stimulate bacterial and fungal life and create and sustain necessary biological activity.

1.5.1. SICOMARE "SOILBUILDER": Superior to any other seaweedmeal.

1.5.2. SICOMARE "SOILBUILDER": Cost-effective in application.

1.6. ZEOLITE: used for its absorbing properties in aquaculture, agriculture, animal husbandry etc. - introduction

1.6.1. ZEOLITE Natural Agriculture (Clinoptilolite granular)

1.6.2. ZEOLITE Natural Nutrition (Clinoptilolite powder – Animal feed additive)

1.7. SICOFLOW -S ALGA: suspension (flow) 75% algae extract of *Ascophyllum nodosum*. Suitable for biological agriculture.

1.8. RICHCROP: microgranular organic growth promoter algae extract. Suitable for use in organic agriculture (foliar & drip).

**TOPSELLER** 1.9. SICOMER POWER (flakes): Powerful special seaweed extract. Natural growth promoter & anti-stress

**TOPSELLER** 1.10. RICHCROP-L: Liquid organic growth promoter, fully derived from vegetal extract. Suitable for use in organic agriculture (for soil & foliar & drip application)

1.11. SICO-GREENKEEPER -L: Osmoprotectant against cold weather conditions (liquid). Suitable for use in organic farming. (for foliar & drip application)

### **2 - PRODUCTION IN CHINA: our SEAPOWER & our SICOMAX ranges**

2.14. SICO-SEAPOWER: Seaweed extract soluble granular

2.14.0. SEAPOWER: Soluble Seaweed Extract Powder (also available as flakes or needles) (foliar fertiliser)

2.14.1. SEAPOWER: Foliar application table.

2.15. SEAPOWER 35 L: Liquid Seaweed Extract (35%)

2.16. SEAPOWER-K PLUS: soluble seaweed extract powder (foliar fertiliser) with 10-18% K<sub>2</sub>O

2.17. SEAPOWER-L SERIES: pure natural organic liquid fertilisers: general information

2.17.1. SEAPOWER-L 18 + AMINO ACIDS 10%: 18% Seaweed Extract + 10% Amino Acids, liquid

2.17.2. SEAPOWER-L 18 + EDTA 3%: 18% Seaweed Extract + EDTA Fe/Mg/Zn (together 3%), liquid

2.17.3. SEAPOWER-L + BORON: 2% Seaweed Extract + 10% B<sub>2</sub>O<sub>3</sub>, liquid

2.18. SEAPOWER MATRINE 0.36%: Matrine Microcapsule Aqua 0.36% + Seaweed Extract (insecticidal fertiliser)

2.22. SICO-SHELLMIN: sea shell mineral fertiliser & soil conditioner. Containing min. 30% active CaO + min. 15% active MgO + TE (pH 9.5 – 11.0)

**TOPSELLER** 2.23. SICOMAX SEAMASTER: seaweed extract granules, 4% Alginic Acid, 45% Organic Matter, 5.5% NPK, 10% Ca+Mg+S

**TOPSELLER** 2.24. SICOMAX SEACAPTAIN: seaweed extract, fully water soluble 18% Alginic Acid, 50% Organic Matter

2.25. SICOMAX SEAWEED-L: liquid seaweed, 9% Alginic Acid, 13.5% Organic Matter, NPK 10-2-6

### **3 - SICO IRISH GOLD RANGE - PRODUCTION IN IRELAND.**

3.1. SICO IRISH GOLD SEAWEED: organic natural soil conditioner & fertiliser, granular, 100% *Ascophyllum Nodosum*

3.2. SICO IRISH SUPERIOR 20% GOLD CONCENTRATE: *Ascophyllum nodosum* with added NPK 10.2.5 and Micros. Liquid seaweed specially for golf courses, pitches and amenities etc.

3.3. SICO IRISH SUPERIOR 30% GOLD CONCENTRATE: All Liquid seaweed purpose plant, fruit & vegetable feed & plant tonic & root elongater. *This is an organic certified product*

3.4. SEAWEED FROM IRELAND: Sales Rationale

3.5. SEAWEED FROM IRELAND: Manufacturing process

3.6. SICO IRISH "SUPERIOR GOLD SEAWEED SPRAY" : dissolvable powder for foliar and fertigation applications, *Ascophyllum nodosum* extract

3.7. SICO IRISH "SUPERIOR GOLD SEAWEED SPRAY" : dissolvable powder - Sales Rationale

## **I) SICO SPECIALIST PRODUCTS FOR AMENITY & GOLF & SPORTS TURF**

**ATTENTION:** products printed in the same color are produced in same production site, so can more easily/economically be combined in a mixed 20ft container

## 1) SICOCOTE SUPER -SG (SPORTS & GREEN) and SICOCOTE SUPER MINI -SG in 1.8 mm minigranules CRF controlled release fertilisers

⇒ See chapter D of our General Delivery program

### 1.5. Sicocote Super -SG (Sports & Green) – standard ca. 3.1mm granules (7 standard formulas):

For sport fields, soccer & hockey fields, horse race courses & rugby pitches, golf, public green, garden lawns etc.

Item code	Product name	NPK formula
SG1	SICOCOTE SUPER -SG Basic (2-3)	26.05.11+2MgO
SG2	SICOCOTE SUPER -SG Starter (2-3)	16.24.10+2CaO
SG3	SICOCOTE SUPER -SG Spring (2-3)	31.05.05+2MgO
SG4	SICOCOTE SUPER -SG Autumn (2-3)	15.00.25+2CaO
SG5	SICOCOTE SUPER -SG Balance (3-4)	25.05.08+2CaO+2MgO+12SO <sub>3</sub>
SG6	SICOCOTE SUPER -SG All Seasons (4-5)	26.05.10+2CaO
SG7	SICOCOTE SUPER -SG Super (8-9)	21.05.10+4CaO+2MgO+9SO <sub>3</sub>

### 1.6. Sicocote Super Mini -SG (Sports & Green) – in 1.8mm mini granule enriched with HUMIC ACIDS (5 standard formulas):

For golf courses & putting greens & tees-approaches, fairways, turf areas, high tech sportsfields, lawn tennis courts, bowling greens, ornamental lawns etc.

Item code	Product name	NPK formula
SG MINI 1	SICOCOTE SUPER MINI -SG High N (2-3)	27.05.11
SG MINI 2	SICOCOTE SUPER MINI -SG High K (2-3)	12.10.23+2MgO
SG MINI 3	SICOCOTE SUPER MINI -SG Balance (2-3)	18.07.18+2MgO
SG MINI 4	SICOCOTE SUPER MINI -SG Summer (3-4)	21.07.14+2MgO
SG MINI 5	SICOCOTE SUPER MINI -SG All Seasons (5-6)	20.10.10+2MgO

## 2) SICOFERT Granular NPK's

⇒ See chapter B of our General Delivery program

We highlight from this range:

Sicofert Granular blended NPK 9.2.7 + 24 SO<sub>3</sub> + 24.48 CaO (C.) Specific fertiliser for grassland and general agriculture

**Sicofert Horse** Granular complex NPK 10.6.8 + 5 MgO + 5 Na<sub>2</sub>O + 17 SO<sub>3</sub> + Selenium. Special fertiliser for horse pasture

**Sicofert Grassmaster** Granular blended NPK 12.3.10 + 19 SO<sub>3</sub> + 24 CaO (C.) Granular blended fertiliser for grassland etc.

Sicofert granular blended NPK 14.7.14 + 6 MgO + 8 CaO + 13 SO<sub>3</sub> + 0.1 B (C.), based on SICUREA with Urease inhibitor

**TOPSELLER Sicofert Green Granule** complex NPK 15.5.20 + 2 MgO + 25 SO<sub>3</sub> + TE (green granules) (L.C.)

Sicofert Granular complex NPK 15.15.15 + 27.50 SO<sub>3</sub> (C.)

**TOPSELLER Sicofert Sportsgreen Lawn** fertiliser granular blended NPK 17.6.11 + 2.5 MgO + 19 SO<sub>3</sub> + Micros (L.C.). The most complete

lawn fertiliser with magnesium and extra micronutrients for a deepgreen lawn. Poor in chlorine, SOP based

**TOPSELLER Sicofert granular blended NPK 17.8.25 (C.)** High K fertiliser esp. suitable a.o. for sugarcane, grassland etc.

Sicofert Granular blended fertiliser NPK 17.8.25 + 2.3 MgO (C.)

**TOPSELLER Sicofert Granular complex NPK 18.6.5 + 4 MgO + 20 SO<sub>3</sub> (C.)**

Sicofert GRASS-SPRING Granular blended (SICO-GRAN Type) NPK's for grassland in spring

Type 1: SICOFERT GRASS-SPRING with Sulphur NPK 24.0.0 + 2 MgO + 12 SO<sub>3</sub>

Type 2: SICOFERT GRASS-SPRING with Sulphur + Selenium NPK 24.0.0 + 1 MgO + 12 SO<sub>3</sub> + 0.001 Se

Type 3: SICOFERT GRASS-SPRING with Sulphur + Selenium + Sodium NPK 23.0.0 + 2.6 MgO + 10 SO<sub>3</sub> + 0.001 Se

Sicofert GRASS-SUMMER Granular blended (SICO-GRAN Type) NPK's for grassland in summer

Type 1: SICOFERT GRASS-SUMMER with Potassium NPK 18.0.26 + 0.7 MgO + 1 CaO

Type 2: SICOFERT GRASS-SUMMER with Potassium + Sodium NPK 15.0.20 + 3 SO<sub>3</sub> + 7 Na<sub>2</sub>O

## 3) Humic Substances

⇒ For our complete program of humic substances & fulvic acids & amino acids: See chapter E nr. 3 of our General Delivery program

See a.o. our toppers:

3.0. Revita-HAFA: liquid 100% based on vegetal origin, high humic & fulvic acid content suitable for organic Agriculture

3.1. Sico-Prohumic-L liquid, contains 25% humic acid (w/w) derived from a modified potassium humat

3.2. Sico-Prohumic SP (soluble powder), contains 25% humic acid, 17-18% K<sub>2</sub>O

## 4) SICOGREEN-TURF water soluble NK & NPK fertilisers for fertigation & drip irrigation & foliar & hydroponic applications

⇒ See chapter C of our General Delivery program

Some selected water soluble crystalline and liquid fertilisers for use in sports turf & golf courses:

4.1. Sicogreen -K Economy NPK 10.20.30 + 2 MgO + CTE (pink color)

4.2. Sicogreen -P Economy NPK 12.30.20 + CTE (orange color)

4.3. Sicogreen -B Economy NPK 20.20.20 + 1 MgO + CTE (blue color)

4.4. Sicogreen -LP Economy NPK 20.00.20 + 2 MgO + CTE (yellow color)

4.5. Sicogreen -LP Economy NPK 24.8.17 + CTE (yellow color)

**OPSELLER** 4.6. Sicogreen -L Delight liquid NPK 10-10-7.5 + CTE (w/v), universal use

## 5) SICO® ORGANIC AND ORGANO-MINERAL ECOLOGICAL FERTILISERS & SOIL CONDITIONERS

⇒ See chapter G of our General Delivery program

### 1. SICORGAN Organic & Organo-mineral fertilisers in 3-5mm pellets (granules) and in 1-3mm crumbs - ex our Belgian plant

- 1.11. Sicorgan organo-mineral NPK 6.2.2 + 1 MgO + 0.7 MgO (68 OM), for lawns, golf courts, rice cultivation etc  
 1.12. Sicorgan organo-mineral NPK 6.3.3 + 1 MgO (60% OM), for lawns, golf courts, rice cultivation etc  
**NEW!** 1.25. Sicorgan Crumb organic crumb fertilisers (1-3 mm pellets). Ideally suitable for precision farming, mixing in growing substrates and potting soils and fertilising of lawns, golf-courses and sports fields.

## 2. SICO ECOGREEN: organo-mineral lawn fertilisers - made in Belgium

(only available in 20/25 kg plain white plastic bags with product label or in big bags

**Remark :** Regular crumbs (RC) or Microcrumbs (MC)

- 2.0. **Sico Ecogreen Survey**, organo-mineral lawn fertilisers, regular crumbs (RC) (2.01 – 3.5 mm size)  
 2.1. Sico Ecogreen 3 in 1, Fertiliser + Anti-Moss Action + Bacteria  
 Compound organic NPK fertiliser 6.3.5 + 106 CFU/g bacteria, with 0.88 % iron disodium EDTA + 0.6 % dehydrated iron sulfate (35 OM)  
 2.2. Sico Ecogreen IAAM, Fertiliser with Indirect Action Against Mosses + MgO + Bacteria.  
 Compound organic NPK fertiliser 5.5.20 +3 MgO + 106 CFU/g Bacteria (25 OM)  
 2.3. Sico Ecogreen Recovery, Ideal after scarification + powered with Sico-Humiplex.  
 Compound organic NPK fertiliser 8.6.13 +3 MgO + Humiplex (25 OM)  
 2.4. Sico Ecogreen Gazon Booster, Fertiliser for a quick start and strong lawns, powered with Sico-Humiplex.  
 Compound organic NPK fertiliser 12.3.3 +3 MgO + Humiplex (30 OM)  
 2.5. Sico Ecogreen Universal, Fertiliser for each type of lawn: lawn construction and maintenance.  
 Compound organic NPK fertiliser 9.3.3 +3 MgO (30 OM)  
 2.6. Sico Ecogreen Bacter, contains compound organic NPK fertiliser 5.5.20 + 3 MgO (25 OM) with bacteria (RC dust proof crumbs 2.1-3.5mm size) - Indirect action against mosses.

## 3. SICO PROTURF: Range of premium quality organic and organo-mineral turf fertilisers for professional use - made in Belgium

(only available in 20/25 kg plain white plastic bags with product label or in big bags

**Remark :** Regular crumbs (RC) or Microcrumbs (MC)

- 3.0. **Sico Proturf Survey**: this range brings professional solutions for treatment on golf courses, football pitches, sport- and cricketfields, amenity etc.  
 3.1. Sico Proturf Starter, NPK 18.3.3 (35 OM) (RC/MC)  
 3.2. Sico Proturf Fairway, NPK 9.3.5 + 3 MgO (30 OM) (RC/MC)  
 3.3. Sico Proturf Green Pelouse, NPK 16.3.8 + 2 MgO + 1 Fe + Bacteria (25 OM) (RC/MC)  
 3.4. Sico Proturf Autumn, NPK 5.5.20 + 3 MgO (25 OM) (RC/MC)  
 3.5. Sico Proturf Recovery, NPK 8.6.13 + 3 MgO + Sico-Humiplex (25 OM) (RC/MC)  
 3.6. Sico Proturf Potash, NPK 0.0.32 (MC)

## 6) SPORTS TURF Management Specialty range

- 6.1. Sicomer-Cal SEAWEED LIME 36.4% Ca, 52% N.V, granular (from coccolites). Permitted in biological agriculture and horticulture. Gives strong biological activity in the soil  
 Reduces the sodium content of the root zone

- 6.2. Sicogreen -S Ferro 7% N + 7% Fe (foliar solution) (w/v). Sico's new organic iron complex for prevention and control of iron deficiency  
 6.3. Sicogreen -L Phos, NP fertiliser solution containing magnesium 3.30.0 + 7 MgO liquid  
 6.4. Sicogreen -L liquid NPK 11.8.6 + CTE (Cu, Fe, Mn, Zn, B, Mo), low in chlor  
 6.5. Sicogreen -L liquid NPK 0.19.21 + TE (Cu, Fe, Mn, Zn, B, Mo), low in chlor  
 6.6. Sicogreen -L Potassium Resistance liquid 3% N + 33% K<sub>2</sub>O. Starter fertiliser for all crops for leaf and drip irrigation applications

## J) MISCELLANEOUS

### 1.1. SICO Farm machinery – Made in China

- 1.1.1. Tractor range: 20HP, 25HP, 25-30HP, 35-40HP, 45-50HP, 55-60HP, 65HP, 70-75HP, 80HP, 85HP, 90-125HP  
 1.1.2. Tractor range – series implements.

- 1.3.1. GA 2550, granulation aid for NPK fertilisers  
 1.3.2. AN 1035, anticaking agent for NPK fertilisers  
 1.3.3. Anticaking cum colouring agents.

### We invite your enquiries mentioning:

- complete specifications, required quantities and delivery times, port of destination;
- if conventional shipment (loose bags or bags on pallets) or if in containers.

### Re : Fertilisers

Kindly note we **are only active in the small & medium market segments** only (from 1 x 20 ft container (even with various fertilisers mixed in same container!) to about 3 - 4,000 ton lots per shipment). We donot offer full charter vessels nor do we participate in tenders where bid or performance bonds are required. **All products are sold with methods of analysis & tolerances & deviations as per E.U. regulations or of the country of origin.**

## **GENERAL NOTICE**

**All our supplies are subject to our general conditions of sale (see hereafter) (we can mail you a copy upon request).**

**Warranty - Exclusion of responsibility:** Of any material offered, presented in this brochure or sold, either expressed or implied is limited to the product guarantees of our own suppliers or as shown on the label in as much as their use is beyond sellers' control.

For the same reason seller is not liable for any injury to living beings, crops, soils or materials which may result from the use or storage of this material.

### **Precautions :**

- Donot swallow fertilisers. Donot inhale. Keep fertilisers out of reach of children. Store under dry conditions, away from direct sunlight. Partly used bags should be closed well.
- Before a new rate, product or application method is used for production, a small trial is always recommended.

Every endeavour has been made to ensure that the information given herein and in our datasheets is true and reliable but it is given only for the guidance of our customers. Sap International cannot accept any responsibility for loss or damage or infringement of patent rights, that may result from the use of information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. **Users are advised to confirm the suitability of the products with their own tests.** Any dimensions shown are approximate.

### **Seeds : Limitation of warranties and liability**

The photos, descriptions and advice mentioned in our catalogs and on packings are given for guidance only and can not in any way be considered as contractual. Technical advice does not mean a warranty of resultant crop. The results obtained do not only depend on the variety and the quality of the seeds, but also on factors which are difficult or impossible to appraise or control and which can vary according to country, fertilisation programs, climatic & soil conditions as well as cultural techniques. In the event of seeds proving defective (whether as regards purity, authenticity, germination or otherwise), the sole liability of the seller can not exceed the total ex works amount supplied of the delivered item, exclusive of carriage charges.

## Sap International Corporation bv

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# **GENERAL TERMS OF SALE**

**(the English text is the only legally valid text – conditions de vente en français sur simple demande)**

### **Art. 1 - Preliminary remarks**

All orders accepted by us are subject to the present general terms of sale, explicitly cancelling all conditions which may be stipulated on buyers' purchase orders. Buyers are deemed to have preliminary knowledge of these terms and to have accepted them without reserve even if their own terms of purchase contain contradictory clauses and this irrespective of the date of their publication.

### **Art. 2 - Offers - Orders – Prices**

- a. All offers are made without engagement, subject availability of the goods and under reserve that the current regulations concerning a.o. exchange rates, taxes, custom duties levies etc. remain unchanged.
- b. All our price lists may be modified without preadvice. If the modification takes place between date of order and delivery date, only the price valid at the moment of delivery shall be applicable. If, after the delivery of a binding offer or after the acceptance of an order, respectively during execution there of, price rising circumstances in the broadest sense occur, such as prices of raw materials transport charges, taxes, duties, revaluations etc., we are entitled to adapt the prices agreed upon accordingly, also if the delivery was agreed to be free cleared and dutyfree.
- c. All prices are to be understood excluding all extra expenses such as for certificates of origin, legislations, consular fees, worktests, preshipment inspection costs etc. which will be charged extra.
- d. All drawings, descriptions, illustrations, samples etc. are approximate and only intended to represent a general idea of the goods. They cannot be taken as binding.

### **Art. 3 - Delivery & Force Majeure**

- a. All delivery times are always approximate and by way of information and without engagement and start from the date of our order confirmation, however, not before all details of the contract are definitely settled and not before buyers have fulfilled all requirements.  
For orders with payment by irrevocable letters of credit, delivery times start only after receipt of same duly in order.
- b. If delivery times are exceeded because of any reason whatsoever, buyers shall never be entitled to any damages, nor to the cancellation of the order.
- c. Neither we ourselves, nor our suppliers can be made responsible in case of delayed, partial or non-delivery in consequence of force majeure or in consequence of reasons beyond our/their control, including delayed departures of vessels.
- d. Taking the international situation into consideration, the terms of delivery of our suppliers form part the present agreement, particularly reserves apply with regard to : - their own timely supply of raw materials.
  - rises of the prices of those materials.
  - all reasons beyond their control by which their terms of delivery, time of delivery, price, etc. are altered.
- e. Should the supplier & manufacturer with whom we originally placed the order, not be able to fulfil their contract towards us, we are not bound to fulfil their engagement from another supplier & manufacturer.
- f. The date of Bill of lading is authoritative for the date of shipment irrespective whether the B/L is marked "shipped" or "received for shipment" only

### **Art. 4 – Destination**

It is a condition that the goods are only exported to the country agreed upon. Goods may under no circumstances be exported or re-exported to any other country. Buyers engage themselves to adhere to these terms and in case of re-sale to engage their clients accordingly. Buyers remain responsible against sellers and in the event of contravention buyers are liable to pay a penalty which may be very severe.

### **Art. 5 - Contracting - Acceptance – Inspection – Complaints**

- a. Goods (quantity, quality, weight, analysis etc.) after having left the factory are considered approved finally and accepted by the buyer without reserves and in conformity with the contract conditions, even if not tested or inspected. Any complaint must be received latest by registered airmail within 14 days from arrival of goods in sea- or airport of destination (for deliveries sea or by air) or place of destination (for deliveries by truck/train/courier etc.)
- b. Should buyers require inspection of the goods in the factory, it should be agreed upon when placing the order and not afterwards. Such inspection should be made by a neutral person to be accepted by us at buyers' expenses upon our first request, before dispatch of the goods ex works and without delaying the intended shipment & inspection. The goods can only be rejected for serious deviations. In such cases liability will remain exclusively with the supplier/manufacturer with whom we originally placed the order. In such case we can act only as intermediary between

our buyer and the supplier/manufacturer with whom we originally placed the order, acting as a "good housefather". Buyers can claim as a maximum that same is either replaced within the new delivery time indicated by the supplier/manufacturer with whom we originally placed the order or the countervalue ex works of the goods without any further claims for compensation or losses & direct or indirect damage.

c. Analysis on feeds, chemicals, pharmaceuticals, fertilisers etc., are to be effected by official Belgian laboratories only. Tolerances and deviations on analysis if any, will be according to Belgian legislation or as applied by supplying country's legislation.

d. We are not bound to execute orders for which price reductions have been enforced by the inspection company (S.G.S, Veritas, etc.) (for countries requiring preshipment price inspection).

#### **Art. 6 - Transport & Insurance**

For FOB sales we cover the expenses of the FOB delivery according to the regulations prevailing as FOB in the port of shipment, excluding THC and P.L.T.C. charges. The FOB buyer should provide shipping space, at his own cost and advise us by giving shipping instructions with name of vessel, place where loading should take place and exact date when goods should be supplied. The FOB buyer is responsible for all subsequent changes of the indicated loadingplace, date, etc... All details are to be given sufficiently in time to allow us to call the goods forward to the shipping port, This period should be sufficiently long to permit the factory to prepare the goods for transport and to forward same to the shipping port in the normal and most economical way. If the FOB buyer cannot give appropriate shipping instructions at first request, for any reason whatsoever, then payment becomes due immediately, whereas the goods may be sent to the shipping port, where the buyer has to take reception of the goods, or at seller's choice, may be stored at the factory, or in any warehouse for account and at the risk and expense of the buyer.

The delivery "FOB", "CFR" or "CIF" means that we pay the corresponding expenses only. The risk of transport itself is always for account of the buyer, from the moment the goods have left the factory. For CIF sales we pay the insurance, from FOB shipping port for account of the buyer, and this only on FPA basis and on 100 % of the contract value (unless otherwise specified). We leave it to our buyers to conclude the insurance for FOB or CFR purchases or supplementary insurance for CIF purchases.

By paying the freight (CFR & CIF) and insurance (CIF), our task is therefore completed and we are not bound to interfere in all possible problems or claims afterwards. If we would do this, same can then only be considered as a service we render, without engaging our responsibility.

Freight is booked for account of the buyer, at the conditions and clauses of the B/L and/or charter party of the carrying vessel. This for instance also means that if the vessel, basing a.o. upon the general conditions and clauses of the B/L, would discharge the goods in any other port than that of destination originally foreseen, we are not bound to interfere or to pay any additional expenses which would arise. This is only indicated as an example. For CIF-sales, insurance will be effected, for account of the buyer, on FPA basis, unless, otherwise agreed upon, and with the usual conditions and clauses of our insurance certificates and/or policy.

All increases of forwarding charges / freight rates and insurance expenses after conclusion of the contract are for buyer's account as well as all increases resulting from changes of the carrier on request of the buyer. Should forwarding be continually or temporarily impossible, payment of invoice amount is due notwithstanding. We then are entitled to store the goods subject to the usual storage charges at the risk and for account of the buyer, eg at the factory, in a warehouse, on quay etc..., in our option, for buyer's account.

At our choice we are also entitled to ship the material to another port of our choice than that of the contract, if the shipment to the port of the contract cannot take place. In those cases buyers have to telegraphically amend their payment instructions accordingly, e.g. amending the L/C, upon our first request. No indemnity or claim is payable to the buyers in such cases.

#### **Art. 7 – Liability**

We are not liable for any direct or indirect damage, in any form and of any nature which could be the result of the use or of the unsuitability of the delivered goods.

#### **Art. 8 - Payment & Reserve of property**

a. All our invoices are payable in Zoersel, cash net without discount, unless otherwise stipulated, taxes always chargeable on the buyer.

b. In cases of non-payment, for any reason whatsoever, we reserve the right to consider the goods as our exclusive property being entitled to all actions including juridical in respect of our proprietorship, also for all consequences, expenses, deteriorations etc.

Which may occur because of this non-payment. We are entitled to take the goods back whereto we are irrevocably and without juridical intervention authorised by the buyer.

After delivery, however, each risk without exception, is borne by the client. Our ownership stretches to the product itself, to the worked-up product respectively to the new product wherein the goods delivered have been incorporated.

c. For delayed payment, also interest will be charged at 2 % per month. This interest must cover the loss of profit earning of the amount due. The amount due will be also increased by right and without preliminary declaration in default with 20 % with a minimum of 250 EURO, to compensate for all extra expenses resulting from the delayed payment and this completely independent from the interests determined in the previous paragraph.

d. At any moment and according to our own judgement, we are entitled to request for any additional guarantee of payment. This request will not entitle the buyer to cancel his purchase order. All possible costs resulting from delayed or non-payment, will be charged to the buyer.

#### **Art. 9 – Jurisdiction**

a. This contract is subject only and exclusively to the Belgian law.

b. The place of performance of delivery and execution is the domicile of the supplying factory.

c. The place of performance regarding payment and jurisdiction for all parties concerned is Zoersel, even if, in virtue or by application of the contract, drafts would have been emitted / accepted, in the country of residence of the buyer, the country of destination or any other country.

#### **Art. 10 - Exchange rate**

In case the currency of the contract would be subject to a devaluation or in cases of any change of the exchange rate of the contract currency towards the EURO exceeding one percent, we are entitled to require payment of the exchange difference. This clause applies as well to the contracts which have not yet been supplied as to the contracts which have been shipped and for which payment was not yet received.

#### **Art. 11 – Retention of title**

1. The title in the goods shall not pass to the Buyer until the Seller has received in full all sums due to it in respect of:

a/ the Goods and

b/ all other sums which are or which become due to the Seller from the Buyer on any account.

2. Until ownership of the Goods has passed to the Buyer, the Buyer shall:

a/ hold the Goods on a fiduciary basis as the Sellers' bailee;

b/ store the Goods (at no cost to the Seller) separately from all other goods of the Buyer or any third party in such a way that they remain readily identifiable as the Seller's property;

c/ not destroy, deface or obscure any identifying mark or packaging on or relating to the Goods and

d/ maintain the Goods in satisfactory condition and keep them insured on the Seller's behalf for their full price against all risks to the reasonable satisfaction of the Seller. On request the Buyer shall produce the policy of insurance to the Seller.

3. The Buyer may resell the Goods before ownership has passed to it solely on the following conditions:

a/ any sale shall be effected in the ordinary course of the Buyer's business at full market value and

b/ any sale shall be a sale of the Seller's property on the Buyer's own behalf and the Buyer shall deal as principal when making such a sale.

4. The Buyer's right to possession of the Goods shall terminate immediately if:

a/ the Buyer has a bankruptcy order made against him or makes an arrangement or composition with his creditors, or otherwise takes the benefit of any statutory provision for the time being in force for the relief of insolvent debtors, or (being a body corporate) convenes a meeting of creditors (whether formal or informal), or enters into liquidation (whether voluntary or compulsory) except a solvent voluntary liquidation for the purpose only of reconstruction or amalgamation, or has a receiver and/or manager, administrator or administrative receiver appointed of its undertaking or any part thereof, or documents are filed with the court for the appointment of an administrator of the Buyer or notice of intention to appoint an

administrator is given by the Buyer or its directors or by a qualifying floating charge holder or a resolution is passed or a petition presented to any court for the winding-up of the Buyer or for the granting of an administration order in respect of the Buyer, or any proceedings are commenced relating to the insolvency or possible insolvency of the Buyer or

b/ the Buyer suffers or allows any execution, whether legal or equitable, to be levied on his/its property or obtained against him/it, or fails to observe or perform any of his/its obligations under the Contract or any other contract between the Seller and the Buyer, or is unable to pay its debts or the Buyer ceases to trade or:

c/ the Buyer encumbers or in any way charges any of the Goods.

5. The Seller shall be entitled to recover payment for the Goods notwithstanding that ownership of any of the Goods has passed from the Seller.

6. The Buyer grants the Seller, its agents and employees an irrevocable licence at any time to enter any premises where the Goods are or may be stored in order to inspect them, or, where the Buyer's right to possession has terminated, to recover them.

7. On termination of the Contract, howsoever caused, the Seller's (but not the Buyer's) rights contained in this clause shall remain in effect.

#### **Art. 12 – Exclusion of responsibility – Warranty – Precautions**

For sale of all fertilisers, agro or industrial chemicals, pharmaceuticals, animal nutrition products, seeds etc. warranty of any material offered and sold, either expressed in any of our literature or implied is limited to the product guarantees of our own suppliers or as shown on the label in as much as uses are beyond the seller's control. Before a new rate, product or application method is used for production, a small trial is always recommended.

#### **Art. 13 – Special conditions applying to our culture substrates & soil additives.**

The general terms and conditions of sale of our producing factories in Germany & Latvia & Estonia always apply, esp. following point :

1. SAP INTERNATIONAL CORPORATION delivers standard commercial goods suitable for ordinary use. They are delivered in (packaging) units and/or volumes in compliance with the DIN or EN 12 580 standard.

The structure of the raw peat (raised-bog peat) and other organic raw materials for peat and peat products may be subject to natural variations. The weight of peat and peat products may also vary depending on structure and moisture. Any deviation of the goods from sales samples or previous consignments shall therefore not constitute a defect of quality.

2. The culture substrates and soil additives we supply are natural products of which the properties (e.g. colour, structure, composition) can naturally differ from one delivery to the next. In order to avoid culture risks arising in the products due to microbial and chemical reaction processes as a result of improper handling and storage, our products are to be used only for the culture purposes for which they are intended. Products supplied loose and packaged products should be stored dry and cool, i.e. protected from sun and precipitation as well as contamination by foreign matter, on a concrete/paved floor in roofed storage facilities. They must be used soon, as long-term storage can impair the quality. In particular, culture substrates with slow release fertilisers and propagation substrates for vegetable and decorative plants must be used within a few days. Our culture substrates and soil additives are not sterile but rather naturally microbially activated. Micro-organisms may be autochthonous or colonise substrates during storage or plant cultivation depending on the time of year and the culture conditions. The large majority of products contain high levels of organic matter, which is inevitably subject to microbial decomposition by fungi, bacteria and other organisms. Saprophytic nematodes may be present in the culture substrates and soil additives in small numbers. Manuring of the culture substrates for plant growth moreover promotes the growth of saprophytic organisms. The presence of saprophytic organisms and the consequences of such, e.g. appearance of fungi, therefore do not constitute product defects.

Colonisation by ubiquitous micro-organisms and the ubiquitous appearance of saprophytic organisms therefore constitute a product defect at most if the products are anthropogenously contaminated with an unnaturally/atypically high quantity of saprophytic organisms or micro-organisms on transfer of risk.

3. Limitation

a/ for claims arising from material defects and defects of title is 1 year.

- This does not apply for claims,

- In the case of liability due to intent.

- For damage to life, body or health that are due to negligent breach of duty by the user or to deliberate or negligent breach of duty

by a legal representative or agent of the user and for other damages due to grossly negligent breach of duty by the legal representative

or agent of the user.

- If the seller has maliciously concealed the defect.

b/ In the case of claims due to other contractual breaches of duty as a result of unauthorised action and in the case of internal recourse under German product liability law (§ 5 p. 2 ProdHaftG), by derogation from § 195 of the German civil code, the regular period of limitation is 1 year. This does not apply in the cases specified in par. 1 letters a) and b).

c/ Claims by the injured party under product liability law and claims by the company in supplier recourse are not affected by the provisions according to par. 1 and 2.

d/ The start and end of the periods of limitation are determined by the statutory requirements.

#### **Art. 14 - Special sales conditions for SICO-SOLSOP & PRIMOSOL-K51 contacts.**

##### **\* QUALITY & QUANTITY DETERMINATION**

The goods shall be accepted regarding:

Quantity: according to the weight stated on EX Z (MRN), which is to be final and binding upon both parties.

Quality: according to Analytical Report, issued by an Independent Inspection Company or Laboratory whose results to be final and binding upon both parties.

##### **\* ARBITRATION AND GOVERNING LAW**

This contract is governed by English law. The United Nations Convention on the International Sale of Goods does not apply. Any dispute, controversy or claim arising out of or relating to this contract, or the breach, termination or validity thereof, is to be referred to Arbitration by one arbitrator in London. The arbitrator shall be mutually appointed by the Seller and the Buyer. In case the two parties cannot agree on one arbitrator, the arbitrator shall be appointed by the President of the London Maritime Arbitration Association (the LMAA) upon the application of either party. The language of the arbitration shall be English. Except as provided herein, the terms of the LMAA shall apply. The award shall be final and a decree or judgement on the award may be entered in any court having jurisdiction.

##### **\* OTHERS**

- No terms or conditions in Buyer's purchase order, Buyer's contract or other document issued by the Buyer, relating to terms and/or conditions of this sale, shall be binding to the Seller unless explicitly accepted in writing by Seller.

- All and any costs, charges, fees, etc. incurred (to be incurred) after delivery of goods at loading port on board the vessel, other than those payable by the Seller according to Incoterms 2010, are entirely at Buyer's account.

- INCOTERMS 2010 plus latest amendments to govern.

- The Force Majeure (exemption) clause 2003 of the International Chamber of Commerce (ICCPublication No. 650) is hereby incorporated in this contract.

#### **Art. 15 – Intellectual Property.**

Purchaser shall not register, directly or indirectly, worldwide, without prior written consent of Sap International Corporation, any trademark, trade name or symbols belonging to or being used by Sap International Corporation or its subsidiaries (or which are confusingly similar to those of Sap International Corporation or its subsidiaries).

Every endeavour has been made to ensure that the information given by the seller is true and reliable but it is given only for the guidance of our customers.

Sap International Corporation cannot accept any responsibility for loss or damage or infringement of patent rights, that may result from the use of information, due to the possibility of variations of processing or working conditions and of workmanship outside our control. Users are advised to confirm the suitability of the products with their own tests. Any dimensions shown are approximate.