

## **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 15.5% N + 0.2% 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. **Perlka®** 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)

**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)

**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 MDPCP**, 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 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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- 3.2.5.2. '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
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- 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

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

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 fertilizer 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 ( $\text{KNO}_3$ ) 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%  $\text{K}_2\text{O}$ + 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%  $\text{P}_2\text{O}_5$**  (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 ( $\text{K-H}_2\text{PO}_3$ ) min. 98%, NPK 0.58.38 white crystals (origin China)

4.11.0 **SICO AM-NIT-PHOS Ammonium Nitrate Phosphate 27% N + 16.5%  $\text{P}_2\text{O}_5$**  (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): Superb 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  $\text{SO}_3$ ) suitable for use in organic farming (origin EU)

5.1.8. **Sico Kieserite 26 Fine** (26% MgO + 53%  $\text{SO}_3$ ) (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)

**; TOPSELLERS**

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. **SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO Grade I wet (crystalline) (origin China)  
**SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO Grade II dry (0.1-1mm). (origin China)  
**SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO Grade III dry (1-3mm). (origin China)  
**SICO-MAG 16**: Sico Magnesium Sulphate hepta 16% MgO Grade IV dry (0.1-1mm or 1-3 mm) (origin China)  
**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) (= 5.2.4.0)

5.2.4.2. **SICO-MAG+B**: Magnesium Boron complex fertilizer 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 (origin China)

**TOPSELLER**

5.3.1. **POTMAG 30/10/17** (30% K<sub>2</sub>O, 10% MgO, 17% S): 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** 5.10.7. **SICO-MAGNESITE** Magnesium Oxide (Caustic calcined magnesite) in various grain sizes: min. 80.5% MgO (2-4 mm), min. 83.5% MgO (0-1mm/0-1.5mm/0-2mm/0.2-1mm), min. 85% MgO (0-0.1mm) (origin Turkey)
- 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 Bio 97-P** (powder) 55% CaCO<sub>3</sub> + 42% MgCO<sub>3</sub> (= 30% CaO + 19% MgO) (fine dry brown powder) (origin EU)
- 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
- 5.13.8bis **SICOKAL**, sales rationale
- NEW!** 5.13.9. **SULFACAL**, Calcium sulphate dehydrate 32.1% CaO+ 44.7% SO<sub>3</sub>+ 1.1% MgO. Fine high purity gypsum mineral
- 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 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.
- 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)

## **B) SICOFERT® GRANULAR (TAILORMADE) 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.

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

\* Promotional introduction

\* Introductory Notice

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

**1) SICOFERT® granular 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>) + Zn

NP 15+25 + Zn (+ 11 SO<sub>3</sub>)

NP 18+13 (+ 17S)

NP 18+26 (+ 10 SO<sub>3</sub>) + Zn

**TOPSELLER NP 20+8 (+ 28 SO<sub>3</sub>)\***

NP 20+16 + 4 MgO (+ 18 SO<sub>3</sub>)

NP 20+20 (+ 14 S)

NP 20+25 + 0.3 Zn

NP 21+13 (+ 17 SO<sub>3</sub>)

NP 21+17 (+ 11 SO<sub>3</sub>)

NP 22+10 (+ 15 SO<sub>3</sub>)

NP 23+15 (SOP based, low chlor)

NP 23+21 (+ 11 SO<sub>3</sub>)

NP 23+23

NP 24+6 (+ 20 SO<sub>3</sub>)

NP 26+7 (+4S) (esp. used to replace Ammonium Nitrate granular 33.5% N)

NP 26+14 (+ 5 SO<sub>3</sub>)

NP 28+28

NP 28.5+8.5 agric & strew grade, based on Ammonium Nitrate (origin China)

SICOFERT-TAN NP 9+40 innovative microgranular starter fertiliser NP 9+40 (+ Fe + Zn) rich in polyphenol groups containing Sulphur, Iron and Zinc in complex with Tannin vegetal extract

SicoSolu NP 30+10 water soluble fertiliser based on Ammonium Nitrate and MAP (origin China)

**2) SICOFERT® special NP fertilisers with magnesium and/or boron:**

NP 10.9+4.8+2.3B(40SO<sub>3</sub>)

NP 11.5+5.5+2.2 B SICOFERT-BORON

NP 15+10+5 MgO + 0.05B (26SO<sub>3</sub>)

**TOPSELLER NP 16+11+0.3 B + 0.1 Zn + 1.50% humic and fulvic acids (+ 28 SO<sub>3</sub>)**

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

PK 7+30 + 3 MgO (+ 15 SO<sub>3</sub>)

PK 8+27 + 5 MgO

PK 9+27 + 3 MgO (+ 17 SO<sub>3</sub>)

PK 10+20 + 3 MgO (+ 22 SO<sub>3</sub>)

PK 10+30

PK 10+30 + 6 MgO

PK 11+12 + 5 MgO (powder !)

PK 15+21 + 27% CaO, complex granular PK fertiliser on basis of soft natural phosphate

PK 15+30

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®" NPK Fertilisers (also TAILORMADE & A-LA-CARTE PRODUCTION, also with Magnesium):**

Formulas marked \* are mostly always in stock, other products are on demand.

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

0.19.19 (+ 16 SO<sub>3</sub>)

5.10.25 (+ 14 SO<sub>3</sub>)



5.10.30 (+ 15 SO<sub>3</sub>)  
5.10.30 (+ 17 SO<sub>3</sub>)  
7.6.30 (+ 15 SO<sub>3</sub>)  
7.11.4 + 4 MgO + 4 Na<sub>2</sub>O (15 SO<sub>3</sub>) + TE  
8.20.30 (+ 5 SO<sub>3</sub>)

**8.24.24**

9.12.28  
10.7.17 + 3 MgO (18 SO<sub>3</sub>)  
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>) + TE  
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>)  
12.6.6 + 3 MgO (28 SO<sub>3</sub>)  
12.6.18 (19.5 SO<sub>3</sub>)  
**12.6.18 + 3 MgO (19.5 SO<sub>3</sub>)**  
12.6.20 + 3 MgO + 3 Na<sub>2</sub>O + 0.1 B (+ 17 SO<sub>3</sub>)  
12.6.20 + 3 MgO (19 SO<sub>3</sub>)

**12.6.22** (+ 19 SO<sub>3</sub>)\*  
12.6.24 + TE, NOP (Nitrate of Potash) based  
12.6.24 + TE (green colored)

**12.7.17 + 0.1 Zn**

12.7.17 + 2 MgO (+ 15 SO<sub>3</sub>)  
**12.7.17 + 2 MgO (+ 16.5 SO<sub>3</sub>)**  
12.9.18 + 3 MgO (+18 SO<sub>3</sub>)

**12.11.18**

**12.11.18 + 3MgO + TE**

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

**TOPSELLER 12.12.17 + 2 MgO + 0.1 B (+ 6 SO<sub>3</sub>)** (blue color)

12.12.17 + 2 MgO (+ 10 SO<sub>3</sub>) (greyish but can be spray colored blue on request)

12.12.17 + 2 MgO (+ 16 SO<sub>3</sub>)

12.20.12 (beige color)

**12.22.10 + 3 MgO (+ 10 SO<sub>3</sub>)**

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

13.6.23 (+ 15 SO<sub>3</sub>)\*

13.9.16 + 4 MgO (+ 17.50 SO<sub>3</sub>)

13.9.16 + 4 MgO (+ 7 S)

13.10.20 (7.50 SO<sub>3</sub>)

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

13.10.23 (14 SO<sub>3</sub>)

13.13.21 (+ 2 S) (red/brownish color)

13.17.17

14.6.6 + 3 MgO (28 SO<sub>3</sub>)

14.10.16 (+ 15 SO<sub>3</sub>)

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

14.10.20 (+ 14 SO<sub>3</sub>)

14.10.20 (+ 16 SO<sub>3</sub>)

14.14.14 + 2 MgO

14.16.10

14.18.18 (+ 16 SO<sub>3</sub>) + 0.12 B

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

15.5.15 + 3 MgO (26 SO<sub>3</sub>)

15.5.20 (+ 23 SO<sub>3</sub>)

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>)

15.9.10 + 2 MgO (+ 15 SO<sub>3</sub>)

15.12.10 + 3 MgO (+ 14 SO<sub>3</sub>)\*

15.12.24

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

15.15.15 (+ 2 S) Formula nr. 1 (5 SO<sub>3</sub>)

15.15.15 (+ 2.8 S) Formula nr. 2 (7 SO<sub>3</sub>)

15.15.15 (+ 5.4 S) Formula nr. 3 (13.5 SO<sub>3</sub>)

**TOPSELLER 15.15.15 (+ 6 S)** Formula nr. 4 (15 SO<sub>3</sub>) (greyish & whitish color or reddish)

15.15.15 (+ 7 SO<sub>3</sub> + Zn) Formula nr. 5

15.15.15 Formula nr. 6 (whitish greyish color)

15.15.15 (+ 11 S) Formula nr. 7

15.15.15 Formula nr. 8

15.15.15 (+ 15 SO<sub>3</sub>)

15.20.15 + 3.5 MgO

16.4.7 + 4 MgO (+ 14 SO<sub>3</sub>)  
16.7.13 (+ 21 SO<sub>3</sub>)\*  
16.8.17 (+ 18 SO<sub>3</sub>)  
16.12.12 + 4 MgO (+ 10 SO<sub>3</sub>)

**16.16.16 prilled complex**

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

**TOPSELLER** 16.16.16 prilled complex (pinkish color)  
17.17.17\* (whitish/grey color)  
17.17.17 (rose color)

**18.6.5 + 4 MgO (+ 20 SO<sub>3</sub>)\***

18.9.18 prilled complex (beige/browened color)

20.5.8 (+ 16 SO<sub>3</sub>)

20.6.9 (+ 11 SO<sub>3</sub>)\*

**20.10.10 (+ 3 S)**

**20.10.10 (+ 9 SO<sub>3</sub>)**

**20.20.0 (+ 2 S)**

**TOPSELLER** 21.5.5 + 3 MgO SICOFERT TEA (origin: A/ Netherlands, B/ Belgium)

21.7.9 (+ 16 SO<sub>3</sub>)

22.6.12

**TOPSELLER** 22.6.12 + 0.6 MgO + B + Mo + Zn (+ 10 SO<sub>3</sub>) SICOFERT COFFEE

23.5.5

**25.5.5 + 5S for tea**

**B. SOP based, Low Chlorine (L.C.)**

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

**6.10.21 + 3 MgO (+ 29 SO<sub>3</sub>) + B + Zn**

7.14.28 (+ 23 SO<sub>3</sub>)

**7.14.28 (+ 25 SO<sub>3</sub>)**

7.14.28 (+ 27 SO<sub>3</sub>)

9.13.24 + 0.1 B

8.16.24 + 2 MgO + 0.1% B / 9.13.24 + 0.1% B / 10.16.21 + 2 MgO + 0.1% B Sicofert Premium Tobacco NPK fertilisers

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

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

10.16.21 + 2 MgO + 0.1 B

10.18.24 (+ 17 SO<sub>3</sub>) + B

10.18.24 (+ 20 SO<sub>3</sub>) + B

**10.18.24 + 0.1 B (+ 20.5 SO<sub>3</sub>)**

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

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

10.24.20 (+ 15 SO<sub>3</sub>) + 0.1 B

10.25.12 + 2 MgO + B + Zn (+ 15 SO<sub>3</sub>)\*

12.5.18 + 3 MgO (+ 36 SO<sub>3</sub>) + TE

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 SO<sub>3</sub>)

**12.10.18 (+ 25 SO<sub>3</sub>) Sicofert Grey Granule**

**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>) (LC/C)

12.12.17 + 2 MgO + B + Zn (+ 24 SO<sub>3</sub>)\*

12.12.17 + 2 MgO + 8 S + 0.02 B + 0.01 Zn (LC/C)

**TOPSELLER** 12.12.17 + 2MgO (+ 24 SO<sub>3</sub>) + B + Fe + Mn + Zn\* (blue granules) SICOFERT® BLUE GRANULE NR.3

**12.12.17 + 2 MgO + TE (+ 30 SO<sub>3</sub>) Sicofert Grey Granule**

13.6.18 + 3.3 MgO + 11 S + 0.1 B

14.0.24 + 2 MgO (+ 25 SO<sub>3</sub>)\*

14.7.18 + 3 MgO + 22 SO<sub>3</sub> + B + Cu

14.14.14 (+ 27 SO<sub>3</sub>)

14.14.14 (+ 29 SO<sub>3</sub>)

**15.0.20 + 5 MgO + B + Fe + Mo + Zn (+ 19 SO<sub>3</sub>)\***

**TOPSELLER** 15.5.20 + 2 MgO (+ 25 SO<sub>3</sub>) + TE\* (green granules) SICOFERT® GREEN GRANULE

15.15.15 (+ 12.50 SO<sub>3</sub>)

15.15.15 (+ 15 SO<sub>3</sub>)\*

15.15.15 (+ 19 SO<sub>3</sub>)

15.15.15 (+ 21 SO<sub>3</sub>)

15.15.15 (+ 21 SO<sub>3</sub>) blue colored

15.15.15 (+ 21 SO<sub>3</sub>) red colored

**TOPSELLER** 15.15.15 (+ 15 SO<sub>3</sub>) + TE

15.15.15 (+ 20 SO<sub>3</sub>)

15.15.15 (+ 24 SO<sub>3</sub>)

**15.15.15 (+ 8.4 S) (LC)**

**16.10.17 + 3 MgO + 13 SO<sub>3</sub>**

**16.40.6**

17.6.11 + 2.5 MgO + 19SO<sub>3</sub> + Micros Sicofert Sportsgreen Lawn Fertiliser

18.18.5 + 1.5 MgO + 18.3 SO<sub>3</sub> (red granules)

20.10.10 (+ 18 SO<sub>3</sub>)

20.11.11 (+ 14 SO<sub>3</sub>)

### **C. High Sulphur content**

5.7.30 + 6 MgO (+13S)

8.15.15 (+ 10.5S)

8.24.8 (+ 9.1S)

12.7.17 + 2 MgO + 22.50 SO<sub>3</sub> (LC/C)

### **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 NR.3 NPK 12.12.17S + 2MgO + 24 SO<sub>3</sub> + TE** (blue granules)

**SICOFERT® BLUE GRANULE (NR.4) NPK 12.12.17S + 2MgO + 24 SO<sub>3</sub> + TE** (blue granules)

**SICOFERT® BLUE GRANULE NR.5 NPK 12.12.17 + 2MgO + B + Fe + Zn + 8 S** (blue granules)

**SICOFERT® BLUE GRANULE NR.6 NPK 12.12.17 + 2MgO** (blue granules)

**SICOFERT® GRANULAR COMPLEX NPK 12.12.17SC + 2 MgO + TE** (natural color or blue colored with supplements)

**SICOFERT® RED GRANULE NPK 15.5.20 + 2MgO + 20 SO<sub>3</sub> + TE** (red granules)

**TOPSELLER SICOFERT® GREEN GRANULE NPK 15.5.20 + 2MgO + 25SO<sub>3</sub> + TE** (green granules)

**SICOFERT® GREEN GRANULE NPK 15.5.20 + 2MgO + 19SO<sub>3</sub> + TE** (green granules)

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

SICOFERT® Horse NPK 10.6.8 + 5MgO + 5Na<sub>2</sub>O + 17SO<sub>3</sub> + 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 50/50 MOP/SOP based (C/LC)

*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.*

### **I. PK formulas**

7+30 + 12.75SO<sub>3</sub> (C)

7+30 + 3 MgO + 15 SO<sub>3</sub> (C)

**TOPSELLER PK 8+15 + 6 MgO + 21 CaO Thomas-K nr. 1**

**PK 8+15 + 6 MgO + 26 CaO + 18 SO<sub>3</sub> Thomas-K nr. 2**

8+27 + 5 MgO + 11 SO<sub>3</sub> (C)

10+20 + 3 MgO + 18 SO<sub>3</sub> (C)

18+33 + 7.5 MgO

(for soya)

23+19 + 12 CaO + 5 MgO + 5 S Sicofert Cocoastar

(for cocoa)

### **II. NP formulas**

10+30 +15 SO<sub>3</sub> + Zn

11+27 +16 SO<sub>3</sub> + 0.18 Zn blend nr. 36195

20+20 + 4 MgO

20+15 + 4 MgO + 0.04 B

20+25 + 3 MgO

20+25 + 3 MgO + 0.06 B

20+25 + 4.29 MgO

20+34 + 1.98 MgO

24+15 + 2.68 MgO

28+28

30+6+2.3 MgO

### **III. NPK formulas**

0.7.30 (12.75 SO<sub>3</sub>) (C) blend nr. 35320

0.32.16 (C) blend nr. 37832

3.9.20 + 2 MgO (LC)

5.4.44 + 7 MgO

5.7.16 + 5 MgO + 0.1 B (C)

5.10.25 + 36 SO<sub>3</sub> (LC)

5.10.30 + 13 SO<sub>3</sub> (C)

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 + 0.5 B (C)

6.25.25 (C)

7.11.22 + 0.4 MgO (C)

7.14.28 + 31 SO<sub>3</sub> (LC)  
 8.9.13 + 2 MgO + 21 SO<sub>3</sub> (C) (our maize formula)  
 8.24.24 (C)  
 9.2.7 (for grassland) (C)  
 9.23.30 (C)  
 10.10.20 + 15.40SO<sub>3</sub> (C)  
 10.12.24 + 12 SO<sub>3</sub> (C)  
 10.12.24 + 19 SO<sub>3</sub> (C)  
 10.16.26 + 0.1 B (C)  
 10.20.10 (C)  
 10.20.10 + 22 SO<sub>3</sub> (C)  
**TOPSELLER** 10.25.12 + 2.5 MgO + 0.2 B (C) Sicofert Potatomix  
 10.25.12 + 2.5 MgO + 0.2 B (C) Sicofert Potatomaster  
 11.11.21 + 3 MgO (C) (for onions)  
 11.22.16 + 2 MgO (C)  
 11.22.16 (C)  
 11.22.16 + 21 SO<sub>3</sub> (LC) blend nr 35485  
 12.3.10 (for grassland) (C)  
 12.5.18 + 4 MgO (C)  
 12.6.18 + 3 MgO (C/LC)  
 12.6.22 + 3 MgO + 0.02 B (C)  
 12.7.14 + 4 MgO (C)  
 12.8.18 + 23 SO<sub>3</sub> + B + Zn + Humic Acids, brownish color (LC)  
 12.10.20 + 2.5 MgO + 18.8 SO<sub>3</sub> (LC)  
 12.10.18 (+ 13.80 CaO + 12 SO<sub>3</sub>) (C)  
 12.10.18 (+ 11 CaO + 25 SO<sub>3</sub>) (LC)  
 12.10.18 (+ 12.5 CaO + 18 SO<sub>3</sub>) (50% MOP/50% SOP) blend nr. 37938  
**TOPSELLER** 12.12.17 + 2MgO + 27SO<sub>3</sub> + 0.2B + 0.1Zn (LC)  
 12.12.17 + 2 MgO (C)  
 12.24.12 (LC)  
 12.24.12 + 15.9SO<sub>3</sub> (C)  
 12.26.12 + 9 SO<sub>3</sub> (C)  
 13.6.23 12SO<sub>3</sub> (MOP) blend no. 35004  
 13.9.16 + 4 MgO + 7 SO<sub>3</sub> (LC)  
 13.10.23 + 14 SO<sub>3</sub> (C)  
 13.12.34 (C)  
 13.13.20 + 6 MgO (C)  
 13.13.21(C) blend nr 31861  
 13.13.21 + 3 MgO (C)  
 13.13.21 + 3 MgO (+ 11 SO<sub>3</sub>) (C)  
 13.25.19 + 19 SO<sub>3</sub> (LC)  
 13.26.19 + 18 SO<sub>3</sub> (LC) blend nr 35486  
 14.7.14 + 6 MgO + 8 CaO + 13 SO<sub>3</sub> + 0.1 B (C), based on SICUREA with Urease inhibitor  
 14.7.35 + 0.3 MgO + 0.01 B (C)  
 14.10.20 + 7 MgO  
 14.18.18 + 1 B (C)  
 14.24.14 + 7 SO<sub>3</sub> (C) blend nr 31441  
 14.32.12 with added 0.10% B + 0.05% Zn (C)  
 15.04.23 + 4 MgO + 9.17 SO<sub>3</sub> + 0.2 B + 0.1 Zn, ao for bananas  
 15.5.20 + 3 MgO + 0.2B (MOP) blend nr 34284  
 15.7.25 + 25 SO<sub>3</sub> (LC) blend nr 37823  
 15.9.13 + 1.7 MgO + B + Zn + 1 Humic Acid (LC/C)  
 15.15.6 + 4 MgO (C)  
 15.15.15 + MgO (C)  
 15.15.15 + 1.2 MgO (C)  
 15.15.15+ 1.5 MgO (C)  
 15.15.15 + 2 MgO (C)  
 15.15.15 + 2.5 MgO (C)  
 15.15.15 + 6 MgO (C)  
 15.15.15 + 14 SO<sub>3</sub> + 1% Humic Acid (LC) blend nr. 35401  
 15.15.15 + 14 SO<sub>3</sub> + 1 MgO + 0.05 B + 0.05 Zn (LC) blend nr. 35027  
 15.15.15 + 16 SO<sub>3</sub> (C)  
 15.15.15 + 19 SO<sub>3</sub> + 6 CaO (LC) blend nr. 35387  
 15.15.15 + 20SO<sub>3</sub> + 7.89 CaO (LC) blend 34651  
 15.15.15 + 24 SO<sub>3</sub> + 0.12 B + 0.1 Zn (LC) blend nr. 35490  
 15.15.15 + 26 SO<sub>3</sub> (LC) blend nr. 35917, Sico-gran quality  
 15.18.17 (LC)  
 15.23.15 (LC)  
 16.0.11 (C) + Humic Acids  
 16.5.25 + 8 SO<sub>3</sub> MOP (C) blend nr. 36829  
 16.6.10 + 2 MgO + 18SO<sub>3</sub> + 0.3B MOP (C) for Olives (blend nr. 35850)  
 16.6.25 + 2 MgO (C)

**16.8.24 + 1.2 MgO (C)**  
 16.10.16 + 2MgO (for millet) (C)  
**16.16.8 + 8.5MgO + 5.3SO3 (C)**  
 16.16.8 + 18SO3 (C)  
 16.16.8 + 24SO3 + TE (LC)  
**16.16.8 + 0.01 B + 0.01 Zn** (for coffee & rice) (C)  
**16.16.16 + 5 CaO + 19 SO3 (LC) blend nr 37822**  
 16.16.16 + 11.6 SO3 (C)  
**16.16.16 + 3.2 MgO** (for pineapple etc)  
**16.16.16 (C) + coated with 1% Humic Acids**  
**16.2-16.3-16.3 + 10 SO3 (C)<**  
**16.26.0**  
**16.26.0 + 7.5 S + 1.1 MgO + 0.1 Zn**  
**16.26.12 + 6 SO3 (C)**  
**17.4.20 + 6 CaO + 3 MgO + 9 SO3 (C)**  
**17.8.25 (C) blend nr. 37556**  
**17.8.25 + 2.3 MgO (C)**  
 17.13.27 (C) blend nr. 35799  
**17.13.27 + 2 MgO (C) blend nr. 35799bis**  
**17.17.17 + 3.4 S + 0.1 B + 0.1 Zn (C)**  
**17.17.17 (C) + coated with 1% Humic Acids**  
 17.17.17 (C)  
**17.17.17 + 18 SO3 (LC) blend nr. 32670**  
**17.17.17 + 3.5 S (C) blend nr. 33387**  
**17.17.20 (C)**  
**17.17.20 + 1.8 MgO (C)**  
**18.6.11 + 2 MgO + 0.01 B (LC)**  
 18.6.12 + 14SO3 (C)  
 18.7.7 + 6 MgO (C)  
**18.7.30**  
 18.10.18 (C) (for hazelnuts, universal etc.)  
**18.14.12 + 2 MgO + 0.05 B + 2.50 SO3 (C)** (special for young palm trees)  
**18.18.5 + 1 MgO + 22 SO3 (LC) blend nr. 34633**  
**18.18.5 + 1.5 MgO + 18SO3 (LC) blend nr 35154**  
**18.18.5 + 2 MgO + 0.05 B + 11 SO3**  
**18.18.5 + 2 MgO + 6.90 S (C)**  
**18.18.5 + 2 MgO + 0.05 B + 6.90 S (C)**  
**18.18.5 + 2 MgO + 4 S (C)**  
**18.18.5 + 3 MgO (C)**  
**18.18.5 + 3.6 MgO + 6.80 SO3 (C)**  
**18.18.5 + 4 MgO + 10 SO3 (C)**  
**19.9.18 (C)**  
**19.9.19 + 2.5 MgO + 21SO3 (LC)**  
**19.19.10 (C)**  
**20.3.5 + 3 MgO (C)**  
 20.5.5 + 3 MgO (C)  
**20.5.8 + 2 MgO**  
**20.5.8 + 2 MgO + 3 Na2O + 5 S**  
**20.5.10 + 3 MgO + 22SO3 (C)**  
**20.5.10 + 3.20 MgO + 9SO3 + 0.30Fe (LC)**  
 20.6.6 + 4 MgO (C)  
**20.8.12 + 2.5 MgO (C)** (esp. for hevea etc.)  
**20.10.10 (C)**  
 20.10.10 + 13.78SO3 (C)  
**20.10.10 + 21 SO3 + TE (LC)**  
 20.10.10 (LC)  
**20.10.10 + 2 MgO (LC)**  
**20.10.15 (C)**  
**20.10.20 (C)** (for hazelnuts, universal etc.)  
**20.20.8 + 5.5 MgO (C)**  
 20.20.15 (C)  
 21.6.11 (LC)  
**21.7.7 + 3 MgO (C) for tea and 25.7.7 (C) for tea**  
**21.7.12 + Humic Acids (+1.81 MgO) (C)**  
 21.8.8 + 2 MgO (for rice) (C)  
**23.10.5 + 13.8 SO3 + MgO + B + Zn**  
**23.10.5 + 2 MgO + 14 SO3 + 0.3 Zn**  
**23.10.5 + 4 MgO + B + Zn**  
**24.15.0 (C)**  
**28.28.0 + 0.5 MgO** blend nr. 28001  
**30.5.7 + 4 MgO**  
**30.9.9 (C)**

**30.9.9 + 2 MgO (C)**

**33.11.6 (C)** blend nr. 37205

**44.0.0 + 1 MgO** (Urea + Magnesium) + **44.0.0 + 0.5 Zn** (Urea + Zinc)

**Sicofert Rice 26.24.7 + Zn + B + Urease inhibitor (C)**

**Sicofert Rice 32.0.18 + 0.30 MgO (C)**

**Sicofert Grass-Spring**, granular blended (SICO-GRAN Type) NPK's for grassland in spring.

- 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.

- 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**, H.A. coated granular blended (SICO-GRAN Type) NPK for horticulture.

- NPK 10.8.15 + 6 MgO + 26 SO<sub>3</sub> + B with coated humic acids

**Sicofert Maize**, granular blended NPK's for maize.

- granular blended NPK 24.0.5 + 4 S + 0.3 B

- coated (with humic acids) granular blended NPK 25.0.0 + 0.3 B + 4 S + 1.5% H.A.

- coated (with humic acids) granular blended NPK 15.0.15 + 0.15 B + 4 S + 1% H.A.

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

- Starter NPK 14.34.12 + 1.5 MgO + B

- Mature NPK 11.7.35 + 3 MgO + 0.3 B with N-stabilizer + TE

- Finisher NPK 15.13.26 + 5 MgO + B with N-stabilizer + TE

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

- NPK 11.10.22 + 3 MgO + 13.60 SO<sub>3</sub> (SOP/MOP based) with coated trace elements

**Sicofert Paddy-master NPK 10.26.26 + 0.1 B (C)**

**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) SICOFERT SOW STUMP FERTILISERS)**

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

9.1. SICOFERT Granular blended NPK 0.0.18 + 15 MgO + 15 CaO (MOP based) (C)

9.2. SICOFERT Granular blended NPK 0.0.18 + 15 MgO + 15CaO + 0.09 B (MOP based) (C)

9.3. SICOFERT Granular blended NPK 0.0.18 + 14 MgO + 14 CaO (SOP based) (LC)

9.4. SICOFERT Granular blended NPK 0.0.18+ 14 MgO + 14 CaO + 0.09 B (SOP based) (LC)

## **10) Granular complex ecological fertilisers with nitrification inhibitor: SICO-ECOTEC and others**

(DMPP=3.4 dimethylpyrazolophosphate) A new method for nitrogen fertilisation based on the many advantages of ammonium stabilisation.

*Available formulations are:*

**SICO-ECOTEC** Ecological NPK fertilisers with ammonium stabilizer DMPP

**SICO-ECOTEC** NPK 12.8.16 + 3MgO + 10 S + TE, NPK fertiliser stabilised with nitrification inhibitor and micronutrients

**SICO-ECOTEC** NPK 12.12.17 S + 2MgO + 8 S + TE (original K+S)

**SICO-ECOTEC** NPK 14.7.17 S + 2MgO + 9 S + TE

**SICO-ECOTEC** NPK 15.3.20 + 2 MgO + 10 S + TE, NPK fertiliser stabilised with nitrification inhibitor and micronutrients

**SICO-ECOTEC** NPK 20.10.10 + 3 S, NPK fertiliser stabilised with nitrification inhibitor, MOP based

**SICO-ECOTEC** NPK 21.5.10 + 3 MgO + 6 S + TE, NPK fertiliser stabilised with nitrification inhibitor and micronutrients

**SICO-ECOTEC** NPK 24.5.5 + 2MgO + 5 S + TE, NPK fertiliser stabilised with nitrification inhibitor and micronutrients

**SICO-ECOTEC** NPK 26.0.0 + 13 S

**SICO-ECOTEC STABILISED FERTILISERS**, avoid nitrogen losses with our Sico-Ecotec range stabilised with DMPP (nitrification inhibitor) & NBPT (urease inhibitor)

**SICO-ECOTEC UREA-EXTRA**, stabilised fertiliser with NBPT + NPPT Urease inhibitors

**SICO-ECOTEC Ammonium Sulphate 21N + 24S**, stabilised fertiliser with DMPP nitrification inhibitor

**SICO-ECOTEC GREEN**, Green colored NPK fertilisers with DMPP nitrification inhibitor for application in horticulture and farmland (agriculture). EC Fertilisers

**SICO-ECOTEC GREEN CAN**, Calcium Ammonium Nitrate NPK 26-0-0+ 4MgO+ 6CaO+ 0.5B+ DMPP nitrification inhibitor, green colored, origin EU

**SICO-ECOTEC** NPK 12.12.17 2MgO 2Ca 8S DMPP nitrate based (origin China)

**SICO-ECOTEC** NPK 15.5.23 DMPP nitrate SOP based (origin China)

**SICO-ECOTEC** NPK 15.15.15 DMPP nitrate SOP based (origin China)

**SICO-ECOTEC** NPK 17.17.17 DMPP SOP based (origin China)

**SICOFERT MEADOW FERTILISER** NPK 8.6.14 + 3 MgO + 10 SO<sub>3</sub> + 5 Na<sub>2</sub>O

## **11) SICOFERT Nitrate of potash (NOP) based NPK's**

11.1 Prilled NPK 12.0.42 + 2 MgO. Ideal for use for horticulture, open fields, turf grass & golf courses and soil application.

11.2. Sicofert NPK 15.5.25 + 2MgO + 6SO<sub>3</sub> (NOP based)

11.3. Sicofert NPK 16.10.17 + 3MgO + 13SO<sub>3</sub> (NOP based)

## **12) DYNAFERT & MAEFERT granular NPK's – made in China**

12.1. DYNAFERT granular MOP based NPK's – introductory notice

12.2. MAEFERT granular SOP based NPK's – survey

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

### 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.

!! **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 !

##### 1.1. 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

SICOGREEN NPK 9.0.33 – 11.0.38 – 12.0.43

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

With or without trace elements either chelated, can be colored for easy tracing of the fertiliser in irrigation systems.

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

SICOGREEN-B ECONOMY NPK 10.50.10 + CTE  
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  
SICOGREEN-B ECONOMY NPK 20.20.20 + CTE (special formula with 5% Nitrate N)  
SICOGREEN-B ECONOMY NPK 20.20.20 + 0.5 CTE  
SICOGREEN-B ECONOMY NPK 20.20.20 + 0.5 MgO + CTE (special formula 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 20.10.10 + 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  
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  
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 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  
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  
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  
SICOGREEN-K ECONOMY NPK 8.17.40 + CTR  
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 + CTE

**E/ Low P formulae, yellow colored**



SICOGREEN-LP ECONOMY NPK 8.4.45 + CTE  
 SICOGREEN-LP ECONOMY NPK 9.4.39 + CTE  
 SICOGREEN-LP ECONOMY NPK 10.5.40 + CTE  
 SICOGREEN-LP ECONOMY NPK 10.8.40 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 11.0.38 + CTE  
 SICOGREEN-LP ECONOMY NPK 11.5.42 + 1.5 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 11.9.34 + 3 MgO + CTE (grape vine)  
 SICOGREEN-LP ECONOMY NPK 11.11.33 + 2 MgO + CTE  
 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  
 SICOGREEN-LP ECONOMY NPK 13.5.40 + CTE (Potato)  
 SICOGREEN-LP ECONOMY NPK 13.5.42 + CTE  
 SICOGREEN-LP ECONOMY NPK 14.5.25 + 3 MgO + CTE (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  
 SICOGREEN-LP ECONOMY NPK 16.8.24 + CTE (low Urea – pink)  
 SICOGREEN-LP ECONOMY NPK 16.8.24 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 16.8.24 + 2 MgO + CTE (grape vine)  
 SICOGREEN-LP ECONOMY NPK 16.8.25 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 16.8.32 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 16.8.34 + CTE  
 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 22.7.22 + 2 MgO + CTE  
 SICOGREEN-LP ECONOMY NPK 25.10.14 + 2 MgO + CTE “Sicogreen Pistachio Special”

**1.3. SICOGREEN FOLIAR, special range for foliar feeding for vegetables, deciduous, citrus, vineyards, olives, fieldcrops**

- 1.3.1. SICOGREEN® Rice 15-15-30 + CTE
- 1.3.2. SICOGREEN® Cotton 12-5-40 + CTE
- 1.3.3. SICOGREEN® Sugarbeet 15-7-30 + 2 MgO + CTE
- 1.3.4. SICOGREEN® Wheat 23-7-23 + CTE
- 1.3.5. SICOGREEN® Potato 12-5-40 + CTE
- 1.3.6. SICOGREEN® Citrus 16-7-30 + 2 MgO + CTE
- 1.3.7. SICOGREEN® Olive 15-7-30 + 2 MgO + CTE
- 1.3.7.1. High fruit yields every year with SICOGREEN Olive
- 1.3.8. SICOGREEN® Vineyard 4-15-37 + 3 MgO + CTE

Please ask for our foliar fertilisation recommendations for vineyards, soyabeans, cotton, banana, rice, etc.

**1.4.1. SICOGREEN -SF NPK's**

- 1.4.1.0 Sicogreen -SF Intro (2023)
- 1.4.1.1 Sicogreen -SF NPK 19.19.19 2MgO CTE
- 1.4.1.2 Sicogreen -SF NPK 22.22.10 2MgO 5SO3 CTE
- 1.4.1.3 Sicogreen -SF NPK 29.10.10 2MgO 7SO3 CTE
- 1.4.1.4 Sicogreen -SF NPK 14.5.34 2MgO 9SO3 CTE
- 1.4.1.5 Sicogreen -SF NPK 9.49.9 2MgO 5SO3 CTE
- 1.4.1.6 Sicogreen -SF NPK 5.5.40 2MgO 28SO3 CTE

**1.4.2. SF High Performance NPK's**

- SF high perf NPK 8-10-40 2MgO CTE (20050201) IMO 1477
- SF high perf NPK 13-5-35 3 MgO CTE (23780103) IMO 1486
- SF high perf NPK 13-5-35 3MgO CTE (23780101) IMO 1486
- SF high perf NPK 18-18-20 2 MgO CTE (22190101)

**1.5. SICOGREEN -DRIP**

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 Intro (2023)
- 1.5.1.1 Sicogreen -P Drip -OFC NPK 13.40.13 3SO3
- 1.5.1.2 Sicogreen -K Drip -OFC NPK 16.8.32 2MgO 4SO3
- 1.5.1.3 Sicogreen -K Drip -OFC NPK 12.12.36 5SO3
- 1.5.1.4 Sicogreen -B Drip -OFC NPK's 18.18.18 13SO3 and 20.20.20
- 1.5.1.5 Sicogreen -N Drip -OFC NPK 25.5.5 2MgO 31SO3
- 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 Intro (2023)
- 1.5.2.1 Sicogreen -B Drip -GH NPK's 15.15.15 28SO3 CTE and 16.16.16 23SO3 CTE
- 1.5.2.2 Sicogreen -P Drip -GH NPK 11.37.11 2MgO 11SO3 CTE
- 1.5.2.3 Sicogreen -K Drip -GH NPK's 8.17.40 5SO3 CTE and 12.12.30 24SO3 CTE
- 1.5.2.4 Sicogreen -LP Drip -GH NPK's 12.8.31 2MgO 14 SO3 CTE and 14.5.30 18SO3 CTE and 15.7.27 18SO3 CTE
- 1.5.2.5 Sicogreen -N Drip -GH NPK 19.6.6 47SO3 CTE

**1.6. SICOGREEN HP High Performance program of fully water soluble NPK's, low in chlor with Nitrate of Potash as main K2O source**

Sicogreen HP NPK intro

- HP NPK 0 0 33 11MgO CTE (code 43)
- HP NPK 0 0 41 6MgO 19S CTE (code 32)
- HP NPK 7 5 40 1.7MgO CTE (code 39)
- HP NPK 7 14 37 CTE (code 46)
- HP NPK 8 5 45 CTE (code 12)
- HP NPK 8 12 36 3MgO CTE (code 25) IMO 1486
- HP NPK 8 30 13 3.6MgO 10.4S CTE (code 31)
- HP NPK 8 52 17 CTE (code 37)
- HP NPK 9 0 33 CTE (code 33)
- HP NPK 10 10 30 2MgO CTE (code 47)
- HP NPK 10 10 40 2MgO CTE (code 18) IMO 1486
- HP NPK 10 20 30 0.6MgO CTE (code 07)
- HP NPK 10 30 10 4MgO CTE (code 42)
- HP NPK 10 32 18 2MgO CTE (code 45)
- HP NPK 10 40 10 CTE (code 19)
- HP NPK 10 50 10 CTE (code 05)
- HP NPK 10 52 10 CTE (code 24)
- HP NPK 10 52 10 CTE (code 24B)
- HP NPK 10 52 10 CTE (code 24C)
- HP NPK 11 05 40 CTE (code 21)
- HP NPK 12 6 40 CTE (code 15) IMO
- HP NPK 12 6 40 CTE (code 16) IMO
- HP NPK 12 12 36 2MgO CTE (code 09) IMO 1486
- HP NPK 12 12 36 CTE (code 08) IMO 1486
- HP NPK 12 12 36 CTE (code 08B) IMO 1477
- HP NPK 13 6 40 0.5MgO CTE (code 22) IMO 1477
- HP NPK 13 40 13 CTE (code 28)
- HP NPK 13 40 13 CTE (code 28B)
- HP NPK 13 40 13 CTE (code 28C)
- HP NPK 14.5 8 21 1.5MgO 8CaO CTE (code 17) IMO 1477
- HP NPK 15 5 30 CTE (code 40)
- HP NPK 15 5 30 3MgO CTE (code 27)
- HP NPK 15 15 15 CTE (code 37)
- HP NPK 15 15 30 CTE (code 34) IMO 1477
- HP NPK 15 30 15 0.5MgO CTE (code 06)
- HP NPK 16 16 16 2MgO CTE (code 38)
- HP NPK 17 10 27 0.5MgO CTE (code 10) IMO
- HP NPK 17 17 17 2MgO CTE (code 24) IMO 1486
- HP NPK 18 18 18 CTE (code 02) IMO 1477
- HP NPK 18 18 18 CTE (code 02B)
- HP NPK 19 19 19 CTE (code 36)
- HP NPK 19 19 19 2MgO CTE (code 03)
- HP NPK 20 10 20 CTE (code 35) IMO 1477
- HP NPK 20 20 20 CTE (code 01)
- HP NPK 20 20 20 CTE (code 11)
- HP NPK 20 20 20 CTE (code 26)
- HP NPK 21 21 21 CTE (code 41)
- HP NPK 25 10 17 CTE (code 30)
- HP NPK 28 7 14 2MgO CTE (code 13)
- HP NPK 28 8 14 2MgO CTE (code 14)
- HP NPK 29 10 10 2.5MgO CTE (code 29)
- HP NPK 30 10 10 2MgO CTE (code 4)
- HP NPK 30 10 10 CTE (code 23)

**1.6.1 SICOGREEN HP High Performance PGM water soluble NPK's**

HP-PG MIX NPK 14 16 18 +1MgO+CTE high Mo(recipe 21590101)

HP-PG MIX NPK 14 16 18 +1MgO+CTE low Mo (recipe 21590201)

### 1.7. Some fertilisation programs with SICOGREEN® water soluble NPK's:

- 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 NPK'S!

#### Range of liquid foliar fertilisers for supplementary nutrition of all crops

- 3.1. Product survey SICOGREEN Liquid and Suspension NPK's
- 3.2. Foliar nutrition: basic information
- 3.3. Product group characteristics
- OPSELLER** 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
- OPSELLER** 3.5. SICOGREEN-L® AMINOCAL CaO-Mn-Zn 20.2-0.7-0.7
- 3.6. **SICOGREEN-L® SUPER NPK 10-10-7.5 + CTE**
- 3.7. SICOGREEN-L® "SUPER N" NPK 14-4.5-7 + CTE
- 3.8. SICOGREEN-L® "SUPER P" NPK 6.5-25-6.5 + CTE
- 3.9. SICOGREEN-L® "SUPER K" NPK 6-10-15 + CTE
- 3.10. SICOGREEN-L® MICROMIX B, Cu, Fe, Mn, Mo, Zn + MgO
- NEW !!** 3.11. SICOGREEN-L® SULPHUR: Foliar fluid nitrogen (15N) fertiliser containing Sulphur and Micronutrients
- 3.12. SICOPHYTE®-L NPK 4-30-8: Liquid fertiliser, based on a more efficient and readily available form of Phosphorus, known as **Potassium Phosphite**: gives amazing results!
- 3.13. SICOPHYTE®-50L: Potassium Phosphite 50% Liquid
- 3.14. a/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.
- 3.14. b/SICOPHYTE®-L liquid NPK 4.4-39.4-2.6 + CTE (w/v), concentrated **Potassium Phosphite** based liquid NPK with chelated trace elements which stimulates crop performance and improves plant nutrient health.
- 3.15. a/SICOGREEN KTS 50, **Potassium Thiosulfate** (K<sub>2</sub>S<sub>2</sub>O<sub>3</sub>) solution 0-0-25+1 7S: your preferred source of liquid potassium and sulfur fertiliser.
- 3.15. b/SICOGREEN KTS 50 EXTRA, **Potassium Thiosulfate** (K<sub>2</sub>S<sub>2</sub>O<sub>3</sub>) solution 0-0-25+1 7S with Amix uptake system + rain-fasten agent.
- 3.16. a/ SICOGREEN-L® K-Extra 0-0-21 + 14S + CTE (EDTA CHELATED, **Potassium thiosulfate** based solution)
- 3.16. b/ SICOGREEN Liquid NPK's and foliar micronutrients : **We produce tailor-made liquid NPK's as per client's requirements.**

Some other formulations are:

12-6-6 + CTE

12-8-6

7-7-7 + CTE

6-6-9 + CTE

and various products including N + Mg + Fe, K+S + Micros, P + Mg + Micros, plus humic acids or seaweed.

- 3.17. a/ SICOGREEN-L liquid NPK 5.22.30 + GS
- 3.17. b/ SICOGREEN-L liquid NPK 7.35.25 + GS
- OPSELLER** 3.18. 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)
- OPSELLER** 3.19. SICOGREEN-L STARTER: Liquid NP fertiliser solution with Magnesium and Manganese, P based clear liquid
- 3.20. a/ SICOGREEN-L DELIGHT: Liquid NPK 8-8-6 + CTE + Aminos, NPK solution with trace elements and 19 extremely pure synthetic amino-acids
- 3.20. b/ SICOGREEN-L STANDARD: Liquid NPK 8-8-6 + TE (w/w). For both foliar and soil applications.
- 3.21. SICOGREEN-L PERFECT: Liquid NPK 7.6-8.6-5.7 + CTE + Aminos, NPK solution with trace elements and 19 extremely pure synthetic amino-acids
- 3.22. SICOGREEN-L ALGO NPK 9-3.6-7 + CTE: Liquid NPK fertiliser with PGP, Amino Acids and Vitamins for use on all crops
- 3.23. SICOGREEN-L liquid NPK 0-44-7.5 + 10% MgO
- 3.24. SICOGREEN-L liquid NPK 2-4-9 + MgO + CTE (w/w) (origin EU)
- 3.25. SICOGREEN-L liquid NPK 2-9-6 + MgO + CTE (w/w) (origin EU)
- 3.26. SICOGREEN-L liquid NPK 4-2-7 + MgO + CTE (w/w) (origin EU)
- 3.27. SICOGREEN-L liquid NPK 5-2-7 + MgO + CTE (w/w) (origin EU)
- 3.28. SICOGREEN-L liquid NPK 6-3-6 + MgO + CTE (w/w) (origin EU)
- 3.29. SICOGREEN-L liquid NPK 7-3-6 + MgO + CTE (w/w) (origin EU)
- 3.30. SICOGREEN-L liquid NPK 7-4-7 + MgO + CTE (w/w) (origin EU)
- 3.31. SICOGREEN-L liquid NPK 7-4-8 + MgO + CTE (w/w) (origin EU)
- 3.32. SICOGREEN-L liquid NPK 7-7-7 + MgO + CTE (w/w) (origin EU)
- 3.33. SICOGREEN-L liquid NPK 10-3-3 + MgO + CTE (w/w) (origin EU)
- 3.34. SICOGREEN-L liquid NPK 10-4-7 + MgO + CTE (w/w) (origin EU)
- 3.35. SICOGREEN-L PREMIUM N liquid solution of 21% N + 3% MgO + 8% SO<sub>3</sub> for foliar applications (origin EU)
- 3.36. SICOGREEN-L SILICIUM NPK 10-4-9 + 0.9% Silicium, combined action of NPK, Silicium and basic pH (origin EU)
- 3.37. SICOGREEN-L PHOS NP liquid solution containing magnesium 3.30.0 + 7MgO (origin EU)

- 3.38. SICOGREEN-L liquid NPK 9-4-7 + CTE (Cu, Fe, Mn, Zn, B, Mo) (origin EU)
- 3.39. SICOGREEN-L liquid NPK 11-8-6 + CTE (Cu, Fe, Mn, Zn, B, Mo) low in chlor (origin EU)
- 3.40. SICOGREEN-L LIQUIZINC liquid NP (3%N + 19.1%P2O5 + 5.9%Zn + 5.3%SO3) (origin EU)
- 3.41. SICOGREEN-L liquid NPK 0-19-21 + CTE (origin EU)
- 3.42. SICOGREEN-L liquid NPK 10-4-8 + CTE (origin EU)
- 3.43. SICOGREEN-L CALPHOS liquid NP fertiliser containing Calcium 4.4% CaO + 3.3% N + 24.2% P2O5. (origin EU)
- 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)
- 3.45. SICOGREEN-L liquid NPK 10-10-7.5 + TE (w/w) (origin EU)
- 3.46. SICOGREEN -L Potassium Resistance, liquid 3% N + 33% K2O (origin EU)
- 3.47. SICOGREEN -L Zinc Starter liquid 3% N + 20% P2O5 + 4.8% MgO + 3.2% Zn (ADR) (origin EU)
- 3.48. SICOGREEN -L High Zinc EDTA 115 liquid, Highest zinc efficiency & starter fertiliser for leaf and drip irrigation applications. (origin EU)
- 3.49. SICOGREEN -L Fe + Mn EDTA liquid 3.5% Fe + 2.8% Mn (origin EU)
- 3.50. SICOGREEN-L POLYPHOS liquid NPK 0-16.4-25 (w/w), EC fertiliser with high level of polyphosphates
- 3.51. SICOGREEN-L QUICKPHOS Mg liquid NPK 0-30-5 + 7MgO (w/w)

#### 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 24-24-18 + CTE
- 4.2b. SICOGREEN-S SUPERMIX 16-16-12
- 4.3. SICOGREEN-S SUPER N 39-0-7 + CTE
- 4.3. SICOGREEN-S SUPER P45
- 4.4. SICOGREEN-S SUPER Mg 30-0-22 + 6MgO + CTE
- 4.5. SICOGREEN-S SUPER B 30-0-22 + 3MgO + 1.5B + CTE
- 4.6. SICOGREEN-S SUPER Mn 32-0-24 + 3MgO + 1.6Mn + CTE
- 4.7. SICOGREEN-S SUPER Fe 16-0-32 + 3MgO + 1.6Fe + CTE
- 4.8. SICOGREEN-S POLYCHEL 15-0-15 + 4MgO + 0.7Cu + 0.7Fe + 1.5Mg + 0.7Zn
- 4.9. SICOGREEN-S TOPMICRO 7-0-15 + 4MgO + 0.4B + 0.7Cu + 1.5Fe + 2.2Mn + 1.5Zn
- 4.10. SICOGREEN-S HIGH Fe-Mn-Zn 13.7 N + 4.1Fe + 5.5Mn + 4.1Zn + 7.5S
- 4.11. SICOGREEN FERRO: New organic **iron complex** for prevention and control of iron deficiency: 5% Fe + 5% N (foliar solution)
- 4.12. SICOGREEN ZINC: New organic **zinc complex** for prevention and control of zinc deficiency, leaf fall in viticulture and pome fruits: 6% Zn + 5% N (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 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 + 3MgO + 24CaO + CTE (w/v)**
- NEW !!** 4.18. SICOGREEN-S Amino P-Rich: Suspension NPK 10.20.10 + 3.5 S + amino acids + CTE (w/v)
- NEW !!** 4.19. SICOGREEN-S SUN + OIL: Micronutrient fertiliser suspension with Boron, Manganese and Molybdenum, special for oil seed rape and sunflower
- 4.20. SICOGREEN-S TREE: Colloidal suspension, 6% N + 5% K2O + 7% CaO + 5% MgO + Amino Acids, for use as sow stump (placed around base of tree)
- 4.21. SicoGreen-S Iron EDTA 100, safe foliar suspension for prevention and control of iron deficiency.

#### 5) **SICOGREEN GEL: Specialty fertiliser gels for fertigation & foliar application**

5.5 **New range of SICOGREEN GEL NPK formulations – concentrated nutrition**

- 5.5.1 SICOGREEN GEL NPK 30.10.10 + TE
- 5.5.2 SICOGREEN GEL NPK 41.6.0
- 5.5.3 SICOGREEN GEL NPK 20.20.20 + TE
- 5.5.4 SICOGREEN GEL NPK 17.69.17 + TE
- 5.5.5 SICOGREEN GEL NPK 1.5-0-60 + TE
- 5.5.6 SICOGREEN GEL NPK 10.10.50 + TE
- 5.5.7 SICOGREEN GEL NPK 4-0-80 + TE (low pH)

#### 6) **SICOGREEN-LSR: Range of liquid slow release nitrogen NPK fertilisers based on SICO-SRN28 Methylene Urea**

- 6.0. Introduction
- 6.1. SICOGREEN-LSR NPK 12-6-12
- 6.2. SICOGREEN-LSR NPK 20-4-8

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

#### **1) SICOFERT CRF controlled release NPK fertilisers**

- 1.1 **SICOFERT SRF microgranular NPK's (0.3-1 mm or 1-2 mm)**
  - 1.1.1 NPK 15-16-17 + 1.7 Fe
  - 1.1.2. NPK 16-0-16 + 2 Fe
  - 1.1.3. NPK 10-0-20 + 1.5 Fe
  - 1.1.4. N 18 + Fe + 1.5 MgO

#### **2) SICO SL Slow release fertilisers.**

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

2.3. **SICO SL SUPER® NPK 16.8.10 + 4MgO + TE**

2.4. **SICO SL NPK 8.6.17 + 1 MgO + 0.015% B** (slow release granular blend, MOP based)

2.5. **SICO SL NPK 18.5.9 + 1 MgO + 0.015% B** (slow release granular blend, MOP based)

### **3) SICOMIX Slow release fertilisers in tablets & powder**

3.1.1 Sicomix SRF sales rationale

3.1.2 Sicomix SRF comparative tests

3.2 Sicomix SRF tablets & powder. NPK slow release fertiliser blends containing urea formaldehyde. Survey (origin EU)

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

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

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

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) Biologically controlled nitrogen release + Turf program: Advanced methylene urea formulation technology !**

4.0. Biologically controlled nitrogen release + turf intro

4.2. **SICOFERT SL TURF 1** Slow release NPK 20.5.8 + 2 MgO + 11 S (MU based)

**5) Sicoslow Fluid 28N:** Stable liquid controlled release nitrogen fertiliser for nitrogen foliar application and fertigation of special crops, 28% N.

#### **6) Controlled release and slow release ureas**

6.1 Controlled release Urea, 40% N, prills (1.7-3mm), 4 months longevity (origin EU)

6.2 Controlled release Urea, 42% N, granular (1.7-4mm), 4 months longevity (origin EU)

6.3. SICOCOAT SCU 39/10: Polymer sulfur coated Urea 39% N + 10% S, longevity 60 days (origin Indonesia)

6.4. SICOCOAT SCU 37/15: Polymer sulfur coated Urea 37% N + 15% S, longevity 90 days (origin Indonesia)

6.5. SICO-SRN 28: Slow release methylene urea nitrogen fertiliser solution, straight fluid fertiliser, 28% total N (w/w) (origin EU)

6.5b. SICO-SRN 28: extra sales rationale

6.6 SICO-SRN 40N DRY; Slow Release Nitrogen, Methylene Urea/Urea form, 40% N granular

6.6b SICO-SRN 40N DRY: A unique and complex range of Methylene urea formulations for a controlled nitrogen fertilization, available in different particle size.(leaflet)

#### **7) Sulfur coated Potassium**

7.1 SICOCOAT SCK 50: Polymer sulfur coated Potassium 50% K<sub>2</sub>O + 15% S, longevity 60-90 days (origin Indonesia)

#### **8) SICOCOTE-CH Slow controlled release fertilisers ex China**

8.0 SICOCOTE-CH range ex China

a) Sicocote-CH Polymer and Sulfur Coated Urea (PSCU) min. 35% N

Sicocote-CH Polymer Coated Urea (PCU) min. 44% N

b) Sicocote-CH Coated NPK fertilisers (PCF) 14.14.14 / 12.0.43 / 16.44.0 / 20.8.10

8.1 SICOCOTE-CH NPK 17.8.9 + 3 MgO (9 months longevity)

8.2 SICOCOTE-CH PSCU 37.0.0 slow release Polymer and Sulfur Coated Urea (PSCU) min. 37% N + 10% S (2-3 months longevity)

#### **9) SICOCOTE SUPER: TRULY SUPERIOR Advanced Controlled Release fertiliser technology ex EU**

9.0. **SICOCOTE SUPER: Intro**

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

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

9.1.1 SICOCOTE SUPER -A Coated N (3) 43.00.00

9.1.2 SICOCOTE SUPER -A Standard/Rice (4-5) 16.07.14

9.1.3 SICOCOTE SUPER -A High N (2-3) 26.05.11+2MgO

9.1.4 SICOCOTE SUPER -A High P (2-3) 16.24.10+2CaO+B

9.1.5 SICOCOTE SUPER -A High K (2-3) 15.00.25+2CaO

9.1.6 SICOCOTE SUPER -A Agro (2-3) 18.00.18+4CaO+B

9.1.7 SICOCOTE SUPER -A Agro (4-5) 16.08.16+4CaO+B

9.1.8 SICOCOTE SUPER -A Agro (2-3) 15.05.25+2CaO

9.1.9 SICOCOTE SUPER -A Agro (2-3) 16.24.10+2CaO+B

9.1.10 SICOCOTE SUPER -A Agro (3-4) 14.05.13+8CaO+B

9.1.11 SICOCOTE SUPER -A Agro (2-3) 16.10.16+4CaO+B

9.1.13 SICOCOTE SUPER -A Maize High N (4-5) 20.06.05+6CaO+3MgO+B

9.1.15 SICOCOTE SUPER -A Sugarbeet (5-6) 10.05.15+7CaO+3MgO+B

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

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

9.2.1 SICOCOTE SUPER -H Vegetables Fast N (3) 44.00.00

9.2.2 SICOCOTE SUPER -H Vegetables Slow N (5) 43.00.00

9.2.5 SICOCOTE SUPER -H Vegetables Balance (3) 10.10.17+6CaO+4MgO

9.2.6 SICOCOTE SUPER -H Leek High N (4-5) 21.00.14+5CaO+2MgO+B

9.2.7 SICOCOTE SUPER -H Leek (3-4) 16.05.17+4CaO+2MgO

9.2.8 SICOCOTE SUPER -H Brassica (4-5) 18.00.16+7CaO+3MgO

9.2.9 SICOCOTE SUPER -H Brassica (5-6) 20.00.14+4CaO+4MgO

9.2.10 SICOCOTE SUPER -H Endive (3-4) 19.09.10+2CaO

9.2.11 SICOCOTE SUPER -H Tomato OD (4-5) (out door) 10.05.20+6CaO+3MgO

9.2.12 SICOCOTE SUPER -H Tomato OD (5-6) 10.05.13+12CaO+5MgO

9.2.13 SICOCOTE SUPER -H Tomato GH (8-9) (green house) 13.05.19+4CaO+2MgO

9.2.14 SICOCOTE SUPER -H Capsicum OD (4-5) 11.05.21+5CaO+2MgO

9.2.15 SICOCOTE SUPER -H Capsicum OD (8-9) 12.06.19+4CaO+2MgO

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

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

9.3.1 SICOCOTE SUPER -F Start (2-3) 16.08.15+2MgO+TE

9.3.2 SICOCOTE SUPER -F High N (5-6) 21.06.11+2MgO

9.3.3 SICOCOTE SUPER -F Balance (3) 10.10.17+6CaO+4MgO

9.3.4 SICOCOTE SUPER -F Apple (6) 12.06.12+8CaO+3MgO+B

9.3.5 SICOCOTE SUPER -F Apple Start (6) 14.05.15+5MgO

9.3.6 SICOCOTE SUPER -F Melon (6) 10.06.18+4CaO+3MgO+TE

9.3.7	SICOCOTE SUPER -F Grape Super (3-4)	15.06.20+2MgO
9.3.8	SICOCOTE SUPER -F Grape (5-6)	10.05.13+12CaO+5MgO
9.3.9	SICOCOTE SUPER -F Grape Fast N (3)	44.00.00
9.3.10	SICOCOTE SUPER -F Grape Slow N (5)	43.00.00
9.3.13	SICOCOTE SUPER -F Strawberry Low P (3)	14.00.20+3CaO+2MgO+B
9.3.14	SICOCOTE SUPER -F Strawberry (3-4)	21.05.10+2CaO+3MgO
9.3.15	SICOCOTE SUPER -F Strawberry Super (8-9)	14.05.17+4CaO+2MgO
9.3.16	SICOCOTE SUPER -F Strawberry (5-6)	16.07.10+2CaO+2MgO+B
9.3.17	SICOCOTE SUPER -F Strawberry (2-3)	18.05.11+5CaO+2MgO+B

9.4. **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.

9.4.1	SICOCOTE SUPER -O Balance (3)	14.14.14
9.4.2	SICOCOTE SUPER -O High N (6)	20.13.10+2MgO
9.4.3	SICOCOTE SUPER -O High N (8-10)	14.10.13+2MgO+TE
9.4.4	SICOCOTE SUPER -O High N (11+12)	14.10.12+2MgO+TE
9.4.5	SICOCOTE SUPER -O OD (4-5)	19.09.10+2MgO
9.4.6	SICOCOTE SUPER -O OD (5-6)	21.06.11+2MgO
9.4.7	SICOCOTE SUPER -O TOP (3)	15.09.15+2MgO+TE
9.4.8	SICOCOTE SUPER -O TOP (6)	14.09.14+2MgO+TE
9.4.9	SICOCOTE SUPER -O TOP (9)	14.08.14+2MgO+TE
9.4.10	SICOCOTE SUPER -O TOP (12)	14.08.13+2MgO+TE
9.4.11	SICOCOTE SUPER -O TOP Low P (5-6)	20.00.13+2MgO+TE
9.4.12	SICOCOTE SUPER -O TOP Start (6)	16.08.13+2MgO+TE
9.4.13	SICOCOTE SUPER -O TOP High K (6)	13.06.19+2MgO+TE
9.4.14	SICOCOTE SUPER -O TOP High K (9)	12.06.18+2MgO+TE

9.5. **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.

9.5.1	SICOCOTE SUPER -SG Basic (2-3)	26.05.11+2MgO
9.5.2	SICOCOTE SUPER -SG Starter (2-3)	16.24.10+2CaO
9.5.3	SICOCOTE SUPER -SG Spring (2-3)	31.05.05+2MgO
9.5.4	SICOCOTE SUPER -SG Autumn (2-3)	15.00.25+2CaO
9.5.5	SICOCOTE SUPER -SG Balance (3-4)	25.05.08+2CaO+2MgO+12SO <sub>3</sub>
9.5.6	SICOCOTE SUPER -SG All Seasons (4-5)	26.05.10+2CaO
9.5.7	SICOCOTE SUPER -SG Super (8-9)	21.05.10+4CaO+2MgO

9.6. **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.

9.6.1	SICOCOTE SUPER MINI -SG High N (2-3)	27.05.10
9.6.2	SICOCOTE SUPER MINI -SG High K (2-3)	12.10.23+2MgO
9.6.3	SICOCOTE SUPER MINI -SG Balance (2-3)	18.07.18+2MgO
9.6.4	SICOCOTE SUPER MINI -SG Summer (3-4)	21.07.14+2MgO
9.6.5	SICOCOTE SUPER MINI -SG All Seasons (5-6)	20.10.10+2MgO

9.7. **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)**

9.7.1.1	SICOCOTE SUPER -PF (9)	12.20.11+2MgO
9.7.1.3	SICOCOTE SUPER -PF (16-18)	12.12.12+2MgO

**Rubber (R)**

9.7.2.3	SICOCOTE SUPER -PR (16-18)	16.16.06+2CaO+3MgO
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**Oil Palm (OP)**

9.7.3.1	SICOCOTE SUPER -POP (18)	20.06.08+2MgO
9.7.3.5	SICOCOTE SUPER -POP (10-12)	40.00.00

**Banana (B)**

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

**Sugar Cane (SC)**

9.7.5.1	SICOCOTE SUPER -PSC (7)	15.09.15+4MgO
9.7.5.2	SICOCOTE SUPER -PSC (10)	04.07.30+2MgO

**10) SICOCOTE CRF NPK's – highest safety & profits from innovative research**

- 10.0 Sicocote CRF NPK's Intro
- 10.1 Sicocote Extra 14-5-15 2MgO
- 10.2 Sicocote High N 19-6-12
- 10.3 Sicocote Triple 15, 15-15-15 (MOP)
- 10.4 Sicocote Triple 14, 14-14-14 (SOP)
- 10.5 Sicocote High K 10-9-19 2MgO
- 10.6 Sicocote Mix 15-10-15 2MgO
- 10.7 Sicocote Super partially-coated product line

## E) SICO MICRONUTRIENTS & SPECIALTY FERTILISERS

### 1) Micronutrients

#### 1.0. Introduction

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

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

##### 1.2. Sico Granular Micro-Nutrients: Micro-nutrient granules that can be mixed with granules of NPK are now a reality!

##### 1.2.1. SICOMICRO High Tech Granular Micronutrients (with special properties) (ex 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)

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)

##### 1.2.2 Sico Multical-B: Granular general-purpose multi-micronutrient blend high in calcium, magnesium and sulphur

##### 1.2.3. Sico-Multi Micros: water soluble microgranular micronutrients range, new production process (5 formulas) (origin China)

##### 1.3. Sico Powdered Horticultural micro-nutrients (slow release)

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

##### 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 and SICOMIX MICRONUTRIENTS MIX (Korea blend)

##### 1.5. SICOCHEL *superior range of chelated micronutrients (powders & liquids)*

##### - SP chelates (soluble powders)

1.5.1. Sicochel-SP Chelates: chelated trace elements (soluble powders): Introduction

**TOPSELLER** 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 EDDHSA 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

1.5.12.1 Sicochel Supreme Mix: Chelate Mixture: Multi-Micronutrient fertilizer

1.5.12.2 Sicochel SP Chelated Mixtures: 5 examples of tailor-made chelated mixtures

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.

1.5.13. Sicochel-Multimicro: Highly concentrated poly-micronutrient deficiency corrector designed for fertirrigation on calcareous-alkaline soils (with 18 high aminoacids & humic acid)

1.5.14.a Sicochel Microstar: Soluble powdered mixture of chelated Cu, Fe, Mn, Zn + B + Mg + 4.3% N

1.5.14.b Sicochel Microstar II: balanced source of essential micronutrients for treatment deficiencies in all crops

1.5.15. Sicochel Boron: 20% soluble boron fertiliser (not chelated)

**OPSELLER** 1.5.15. Sicochel-Delay, Chelated Micronutrients Mix and Plant Growth Regulator (PGR) wat. sol. powder for foliar & soil applications (contains NAA + NAD)

1.5.16. Sicochel Iron S40, Chelated Iron 6% EDDHSA (in ortho-ortho form)

1.5.17. Sicochel Oligomix SP Chelated microelements mixture, soluble powder with both EDTA and DTPA Iron

##### - L chelates (liquids)

1.5.16. Sicochel (L)- Mn: Manganese (Mn) chelate

1.5.17. Sicochel (L) - Mo: Molybdenum (Mo) fertiliser in solution

1.5.18. Sicochel (L) - Zn: Zinc (Zn) fertiliser in solution

1.5.19. Sicochel (L) - Cu: Copper fertiliser in solution



- 1.5.20. Sicochel (L) - B: Solution of a borated (B) fertiliser
- 1.5.21. Sicochel (L) - Fe: Iron (Fe) chelate
- 1.5.22. Sicochel (L) - BMo: Mixture of chelated trace elements
- 1.5.23. Sicochel (L) - Ca: Chelated Calcium (Ca) fertiliser in solution for foliar application
- 1.5.24. Sicochel (L) Cu 9% EDTA Liquid
- 1.5.25. Sicochel (L) Zn 9% EDTA Liquid
- 1.5.26. Sicochel (L) Mn 6% EDTA Liquid
- 1.5.27. Sicomicro-L, liquid foliar micronutrient fertiliser

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

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

#### **1.6.1. Chelastar EDTA and EDDHA chelated micronutrients: Introduction**

#### **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)
- 1.6.2.4 Chelastar Premium Iron EDDHA 6% (4.8% ortho-ortho)
- 1.6.2.5 Chelastar Economy Iron EDDHA 7% Iron Chelate

#### **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)
- 1.6.4.2 Chelastar Mae Premium Mix (microgranular)
- 1.6.4.3 Chelastar Loulou Mix (microgranular)
- TOPSELLER** 1.6.4.3.1 Chelastar Combi SP (soluble powder) chelate mixture
- 1.6.4.3.2 Chelastar Combi 1 (SP)
- 1.6.4.3.3 Chelastar Combi 2 (SP)
- 1.6.4.3.4 Chelastar Combi 3 (SP)
- 1.6.4.3.5 Chelastar Tropic (SP)
- TOPSELLER** 1.6.4.4. Chelastar-L Boron (liquid)
- 1.6.4.5. Chelastar-L Supermix (liquid)
- 1.6.4.6. Chelastar-L (liquid) Ca 6% (8.4% CaO)
- 1.6.4.7. Chelastar-Mix Sugar Cane (CAC)
- 1.6.4.8. Chelastar Calmag 6% Ca + 6% Mg (8.4% CaO + 10% MgO) CAC chelated

#### **1.6.5. Chelastar Citric Acid Chelated (CAC) Micronutrients (soluble powders/liquid)**

- 1.6.5.1. Chelastar 10% Mg CAC
- 1.6.5.2. Chelastar 20% Cu CAC
- 1.6.5.3. Chelastar 20% Fe CAC
- 1.6.5.4. Chelastar 20% Mn CAC
- 1.6.5.5. Chelastar 25% Zn CAC
- 1.6.5.6. Chelastar Micromix CAC, available in a/ 10% Zn variation, b/ high 10% Fe variation
- 1.6.5.7. Chelastar 6% Ca (8.4% CaO) CAC: in the form of calcium nitrate with citric acid chelating agent
- 1.6.5.8. Chelastar Ca 16% (22.4% CaO) CAC chelated

#### **1.6.6. Chelastar Tonic: a fully soluble powder plant tonic for foliar and drip irrigation**

#### **1.6.7. Chelastar Tropical 1 and 2: Safe, well-balanced micronutrients formulas for tropical annual and permanent crops **Various customised mixtures are available with the addition of B and Mo.****

#### **1.6.8. Chelastar Drip 25 CTE liquid: Liquid mix of EDTA chelated trace elements with high 2.50% Fe (w/v)**

#### **1.6.9 Chelastar-L Fe-EDTA 7.7% liquid**

#### **1.6.10. Chelastar Micromix, Microgranular chelated trace elements mix**

#### **1.7 Attack**

#### **1.7.1 Attack DF EDTA, water soluble chelated micronutrient mix**

**NEW!**

#### **1.8. PROCHEL EDTA CHELATED MICRONUTRIENTS. New Professional & profitable range of 80% EDTA + CAC (Citric Acid Complexed) metal chelates. 100% water soluble powders.**

#### 1.8.1. Prochel Complex SP, super micronutrient mix

#### 1.8.2. Prochel Zin 15% Zn EDTA

#### 1.8.3. Prochel Man 13.5% Mn EDTA

**TOPSELLER**

#### 1.8.4. Prochel Cal 10% Ca EDTA

#### 1.8.5. Prochel Mag 6% Mg EDTA

#### 1.8.6. Prochel Cop 14% Cu EDTA

#### 1.8.7. Prochel Fer 13.2% Fe EDTA

#### 1.8.8. Prochel CalBo 10% Ca + 1% B

#### 1.8.9. Prochel Complex SP

#### **1.10. Chinese Micronutrients: From our Chinese plants we offer:**

#### 1.10.1. Sico inorganic single micronutrient fertilisers and chelates: survey

**TOPSELLER**

- 1.10.2. **SICOLENE** range of Chelated Micronutrients (powders & liquids) (origin China), as Sicolene Fe-EDDHA 6% (4.8 o-o)
- 1.11. **Sico Battlestar nrs. 1 and 2**, water soluble LPCA/CAC complexed micronutrient mixes
- 1.12. **SICO LIQUISTAR**: liquid complexed micronutrient and foliar micronutrient formulations complexed with lignated humic acids and adjuvants for improved tank mixing compatibility and economic rates of application: Introduction
- 1.12.0. **LIQUISTAR Promo Leaflet**
- 1.12.1. Sico Liquistar Manganese 12% (w/w)
- 1.12.2. Sico Liquistar Zinc 10% (w/w)
- 1.12.3. Sico Liquistar Copper 12% (w/w)
- 1.12.4. Sico Liquistar Magnesium 8% MgO (w/w)
- 1.12.5a. Sico Liquistar Iron 5% (w/w)
- 1.12.5b. Sico Liquistar Fe, liquid trace elements cocktails with chelated Fe DTPA or Fe EDTA
- 1.12.6. Sico Liquistar Calcium 8% (w/w)
- 1.12.7. Sico Liquistar Boron 11.1% B (w/w), 15% w/v (150 g B/lt)
- 1.12.8. Sico Liquistar Cobalt, containing 5% chelated cobalt
- 1.12.9. Sico Liquistar Bmo, 9% B + 0.2% Mo (w/w)
- 1.12.10. Sico Liquistar CaB, 8% Ca + 0.5% B (w/w)
- 1.12.11. Sico Liquistar Ca2B, 6% Ca + 2% B (w/w)
- 1.12.12. Sico Liquistar Nitro CaB, 9% N + 9% Ca + 0.15% B (w/w)
- 1.12.13. Sico Liquistar CoMo, 2% Co + 3% Mo (w/w)
- 1.13. **PROMISE range**, fertilisers based on single macro-and microelements complexed with amino acids (Promise Ca, Cu, Mg, Zn)
- 1.13.1 **SICOHEL OLIGOMIX SP** Chelated microelements mixture, soluble powder with both EDTA and DTPA Iron
- 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)
- 1.15. **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 (K2O)
- 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% K2O (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.
- 1.16. **PRIMO-OLIGO**, our new micronutrient deficiency correctors.
- 1.16.0 Primo-Oligo intro
- a) **MULTIPLE DEFICIENCIES CORRECTOR**
- 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 free amino acids 2% w/v and chelated microelements (Fe, Mn, Zn, Cu, B and Mo) by EDDHA and EDTA
- 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 CORRECTOR**
- 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.
- 1.17. Feromaster Line: Fe-chelated based products used to prevent and treat Iron chlorosis of crops and to boost photosynthesis efficiency. FERROMASTER RAPID, FERROMASTER MAX 44 (for soil applications) and FERROMASTER 6.2 -L (liquid for foliar)
- 1.18. SICO-DYNAMIC world-class chelated micronutrients & plant nutrients etc. (origin EU), intro
- 1.18.1 Plant Nutrients : Sico-Dynaphos & Sico-Dynachel
- 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)**

- 2.1. **Biostimulants**: Introductory comments

- TOPSELLER** 2.2. **Sico - Sul 15+ Extra powder (P) & liquid (L):** Unique formula contains Gibberellic Acid (GA3) and Sulphur
- 2.3. **Sico - Sul 15+:**
- 2.3.1. For sugar cane
- 2.3.2. Test results on other crops can be provided on request for maize/sweetcorn/French beans/peas/spinach/  
Primo cabbage/Calabrese
- 2.3.3. Trial results with Sico-Sul 15+ and BS-48 on French beans
- 2.4. **Sico Biostimulants (BS):** Program for rice
- 2.5. **BS - 48:** a water soluble plant food for foliar feeding NPK 8-20-20 + TE (super fertiliser & biostimulant)
- 2.6. **BS - 70:** a water soluble plant food for foliar feeding NPK 10-52-8 + TE (super fertiliser & biostimulant)
- 2.6.1. **BS-70 & BS-48:** Cytokinin containing products: - physiological effects - quick reference guide
- 2.7. **BS - Top Start:** transplant dip, seed dressing or in furrow on seed NPK 3-12-3 + TE
- 2.8. **BS:** Plant growth regulator programs: survey
- TOPSELLER** 2.9.1. **Sico - Trigger:** Powerful & safe biostimulant for high potential crops, root crops etc.
- 2.9.2. **Sico - Trigger:** Sales rationale for SICO distributors: Confidential Internal Use Only: provided on special request.
- 2.10. **Biostim:** Sico's New Plant Biostimulant "a new and more effective means of increasing crop production
- 2.11. **Sicogibb Gibberellic Acid:** plant growth regulators (complete program)
- 2.12. **Sicogibb 6EC:** Gibberellic Acid 6% EC, plant growth regulator
- 2.13. **Sicogibb Tab 10%:** Gibberellic Acid 10% soluble tablets, plant growth regulator
- 2.14. **Natural Bio-regulators & activators & conditioners**
- 2.15.1 **Sico GREEN-AMIN:** fluid formulation of Aminoacids, suitable for organic farming - saline soil conditioner
- 2.15.2 **Sico ORGA-AMIN:** organic liquid fertiliser & biostimulant, suitable for organic farming - saline soil conditioner
- 2.15.3 **Sico MULTI-AMIN:** soluble organic fertiliser with Aminoacids, suitable for organic farming
- 2.16. **Quat Biostim:** biostimulants for quat (Yemen), vegetables and fruits
- 2.17. **Fert Biostim;** liquid biostimulant fertilisers range
- NEW!** 2.18. **Mare-Zyme:** liquid natural botanical extract for use as plant stimulant
- NEW!** 2.19. **Sico Birooter:** liquid rooting and vegetative development activator for soil application
- 2.20. **SICOPHITE-AMIX:** liquid E.U. fertiliser and biostimulant
- 2.21. **SICOPHYTE-AMINO-L:** liquid E.U. fertiliser and biostimulant
- 2.22. AMIX Sales rationale for Sico's "Amix" based product range. "Amix" = superior unique technology !
- 2.23. **SICOBIO-P:** biostimulant, containing Phosphate Solubilising Bacteria
- 2.24. **SICOBIO-TP:** seed treatment, containing Phosphate Solubilising Bacteria (PSB) (esp. on potato seed)
- 2.25. **SICOTRAC ROOTING,** micronutrient mixes to increase rooting
- 2.26.a **SICOPHITE-COP** Potassium Phosphite based liquid 4.8% N + 12.5% P2O5 + 7.5% Cu
- 2.26.b **SICO Copper Phosphite**
- 2.27.a **SICOPHYTE-50 L,** 50% Potassium Phosphite (liquid) 30% P2O5 + 20% K2O
- 2.27.b **SICOPHYTE-50 L,** 50% Potassium Phosphite (liquid) 26% P2O5 + 24% K2O
- 2.28. **Sico-Birooter:** 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.
- 2.31. **Sico –Brass:** natural Brassinolide: promotes growth and high yields for your crops
- 2.32. **SICOLEX range:** range of liquid specialties for nutrition and increasing plant defence mechanisms (Sicolex, Cu, N Top, 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% SiO2 + 16.3% K2O
- 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.
- 2.37. **SICOBIO product line;**
- A. Biostimulants composed of low molecular weight amino acids and peptides
- Sicobio Root, natural Rhizogenic biostimulant
- Sicobio Plus, physio activator – fruit set and growth promoter
- Sicobio Complex, enriched biostimulant
- Sicobio Gel, leaf & root bioactivator & gel
- B. Bio-Encapsulated
- Sicobio-K, bio-encapsulated acidified potassium
- C. Amino Acid biostimulant
- Sicobio-Amino 24, wholly natural biostimulant with rich aminogram + peptides
- 2.38. **Mare Weed 50,** Liquid natural biostimulant containing 50% w/v seaweed concentrate
- 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) (origin E.U.)
- 2.41. **Sicotonic,** Natural anti-stress process activator and promoter (for foliar & soil application) (origin E.U.)
- 2.42. **Sico-Leardite 84 SP,** Nutrients uptake improver with 84% (w/w) humified organic matter. Soluble black powder for drip irrigation. (origin E.U.)
- 2.43. **Sico-Multifol,** Multiple action revitalizer. Stimulates resistance to high temperatures and drought (for foliar application). (origin E.U.)
- 2.44. **Sico-Rootbooster -L,** Boots roots health & antistress (liquid) Suitable for use in organic agriculture & drip irrigation. (origin E.U.)
- 2.45. **Sicomer Power,** Powerful special seaweed extract. Natural growth promoter & anti-stress (origin E.U.)

### 3) Humic Substances & Fulvic Acids & Amino Acids

- TOPSELLER** 3.1.1. **Sico Humiplex:** liquid water soluble humic acid (12%) fulvic acid (2%) fertiliser with aminoacids additives (4%)
- 3.1.2. **Humiplex CP900,** crystalline powder 85% humic acids + 10% fulvic acids

- 3.1.3. **Humiplex NK**, liquid, 10% humic acids + 15% fulvic acids + N + K
- 3.1.4. **Humiplex CP900**, potassium salts of humic acids, soluble granules
- 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
- 3.2.1. **SICO-PROHUMIC-L liquid**, contains 25% humic acid (w/w) derived from a modified potassium humate
- 3.2.2. **SICO-PROHUMIC SP (soluble powder)**, contains 25% humic acid, 17-18% K<sub>2</sub>O
- 3.2.3. **SICO HA-STAR liquid**, contains 12.5% humic acid (w/w) derived from a modified potassium humate
- 3.2.4. **SICO PROHUMIC-85**, concentrated potassium humate (granular), min. 85% humic acids.
- 3.3. **Sico Humus 85 WSG**: Plant Growth stimulant & organic soil conditioner
- 3.4. **SICO HUM-GENIUS**
- 3.5. **Sico Aminovit-L**: new liquid biostimulant, composed of L-alpha aminoacids, vitamins, ATCA
- NEW!** 3.6. **Super Carbomix**: amalgam of seaweed extract, condensed molasses solubles, 17 amino acids / cytokinin
- TOPSELLER** 3.7. **Sicogreen-L Amino**: liquid organic biostimulant 9% N + 766 g/l amino acids for foliar application and in fertigation
- 3.8.1 **Sico Aminoplex L40**: liquid amino acids complex containing 40% Free Amino Acids
- 3.8.2 **Sico Aminoplex P80**: new fully water soluble amino acid powder complex containing 80% Free Amino Acids
- 3.9. **Sico Aminoplex-L and -E**: new compound liquid Amino Acids complexes
- 3.10. **Sico Humiplex-15 liquid**, solution of 12% humic acid + 3% fulvic acid (w/w)
- NEW!** 3.11. **Sicostimul**: humic and fulvic acids (organic liquid)
- NEW!** 3.12. **Sico-Ecohumic SP**: fine soluble powder 80% fulvic substances + 17.5% SO<sub>3</sub> + 7% CaO
- TOPSELLER** 3.13. **Aatonic-L**: natural anti-stress process activator and promoter for foliar application
- 3.14.1 **Aminotonic-L**: natural biological growth activator based on amino acids and peptides
- 3.14.2 **Aminotonic-GR**: natural biological growth activator based on amino acids and peptides, in microgranules, for foliar and soil applications.
- TOPSELLER** 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.
- NEW!** 3.16. **Revita-HAFA**: 100% based on vegetal origin, high humic & fulvic acid content suitable for organic agriculture.
- NEW!** 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
- 3.17.3. **Primo-Amino -L Bioactivator**: 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.
- NEW!** 3.18. **Sico Superhum-L**, organic fluid fertiliser with high concentration of quick-acting humic acids, derived from leonardite for foliar & fertigation
- NEW!** 3.19. **Sico Superhum-SP**, organic water soluble powder fertiliser based on humic and fulvic acids derived from leonardite for soils with low organic matter and salinity problem for foliar & fertigation
- 3.20a. **Sico Aminoforte-L**, liquid fertiliser containing 44.5 (w/w) amino acids
- 3.20b. **Eco-Leonardite** – organic fertiliser, origin Ukraine
- From China:
- 3.20. **Sico Amino Acids Series**
- 3.20.1. **Sico-Aminomax 30 + TE**, Amino Acids 25-30% + Fe ≥ 10% + Nitrogen 7-10%
- 3.20.2. **Sico-Aminomax 50**, Amino Acids 40-50% + 17% Nitrogen, in powder
- 3.20.3. **Sico-Aminomax 80**, Enzymolysis plant amino acids powder, 80% Amino Acids + 13.5% Organic N
- 3.20.4. **Sico-Aminomax -L**, Amino Acids 10% + Fulvic Acids 4% + trace elements
- 3.20.5. **Sicomax Amino Acid Chelated Zn 10**
- 3.20.6. **Sicomax Amino Acid Chelated Mn 10**
- 3.20.7. **Sicomax Amino Acid Chelated Mg 6**
- 3.20.8. **Sicomax Amino Acid Chelated Fe 10**
- 3.20.9. **Sicomax Amino Acid Chelated Cu 10 (chlorinated)**
- 3.20.10. **Sicomax Amino Acid Chelated Cu 10 (chloride-free)**
- 3.20.11. **Sicomax Amino Acid Chelated Ca 10**
- 3.20.12. **Sico-Aminomax 50 PL**, Amino Acids 40-50%+15% N, plant based, slow release formula, Chloride free
- 3.20.13. **Sico-Aminomax 50 CL**, Amino Acids 40-50%+15% N, plant based, slow release formula
- 3.20.14. **Sico-Aminomax 50 AB**, Amino Acids 40-50%+17% N, animal based formula
- 3.21. **Sico Humic Acids, Fulvic Acids & Potassium Humate Series**
- 3.21.0a. **Sico-Humimax-SBG**, Potassium Humates, shiny black granules, Type 1: 70/10/10, Type 2: 60/20/10 (origin China)
- 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 (origin China)
- 3.21.1. **Sico-Humimax 60**, Humic Acid (Dry Basis) 60% (in 2-4mm granular)
- 3.21.2. **Sico-Humimax 80**, Economical potassium humate organic fertiliser (available in flake, powder and granular forms)
- 3.21.3. **Sico-Humimax 100**, Unique 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)
- 3.21.5. **Sico-Humimax -L**, 4% Humic Acids + 2% Fulvic Acids + NPK 10.5.5 (origin China)
- 3.21.5b. **Sico-Humimax Nano** (liquid), 15% Humic Acids + 2% Fulvic Acids (origin China)
- 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.
- 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.
- 3.25. **Sico Humic Acid Series products** (ex China)
- 3.26. **Sico Humiforte SP**, 30% humic acids + 10% fulvic acids + 10% amino acids + 30% seaweed extract, fully water soluble powder (origin China)
- 3.27. **Sico Humiforte L**, humic acids + fulvic acids + amino acids + seaweed extract & K<sub>2</sub>O (ex China)

- 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) (made in china)  
 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) (made in china)

- NEW!** 3.31.1 **Sicamino-AA** Amino Acids compound powders, chlorine free, fully water soluble fertilisers (origin China)  
 3.31.2 **Sicamino-AA80** 80% Compound Amino Acid Powder Fertiliser (plant origin, enzymatic hydrolysis) (origin China)  
**NEW!** 3.32. **Sicamino-AH** Amino Humic, shiny balls (round granules), specialty fertiliser for soil application (origin China)

#### 4) Calcium formulations

##### 4.0.0. **SICO Calcium formulations: intro**

##### 4.0.1. **Notice Importance of Calcium**

- TOPSELLER** 4.1. **Tree-Cal**: 15% N + 22.50% CaO + 3% MgO + ME (liquid): improves fruit quality  
 4.2.1. **Sico Nitrocal + K (L)**: Foliar liquid crop supplement  
 4.2.2. **Sico Nitrocal + Mg (L)**: Liquid crop supplement with N + Calcium and Magnesium  
 4.2.3. **Sico Nitrocal + B (L)**: Liquid crop supplement with N + Calcium and Boron for all crops  
 4.2.4. **Sico Nitrocal (L)**: Foliar liquid crop supplement with N + Calcium  
 4.2.5. **Sico Nitrocal + Mg China**: Crop supplement with N + Calcium + Magnesium + Sulphur + TE  
**TOPSELLER** 4.3.1. **Sicalnit-L**, liquid calcium nitrate solution (8.5% N, 12.5% Ca)  
**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  
**TOPSELLER** 4.4. **Hydro-Cal**: 100% soluble source of Calcium, removes undesirable salts from your fields & irrigation water  
 4.5. **Cal-Minit+B**: Slow release 9% nitrogen with 9% Ca plus 0.15% B, liquid fertiliser for all crops  
 4.6. **Sicoflex-Cal**: a new carbo-complexed formulation 14% CaO + 13% P<sub>2</sub>O<sub>5</sub> + 8% N liquid foliar  
 4.7. **Sicofert-Magcal**: granular blended specialty NPK 13.0.0 + 20 SO<sub>3</sub> + 12 MgO + 18 CaO + 0.01 B + 0.01 Zn  
 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 (origin EU)  
**NEW!** 4.10. **SICO-SOLCAL**, liquid calcium chloride solution of 17 M% CaO  
 4.11. **SICO CALCIMIN**, granular calcium fertiliser with micronutrients. Mineral soil conditioner, slow release fertiliser (origin China)  
 4.12. **SICO-POLYCAL**, concentrated calcium formulation with polypeptides and microelements, new liquid for foliar application.  
 4.13. **SICO-SOILNEUTRALISER**, liquid soil conditioner based on a mixed solution of calcium and magnesium (with de-salinity effect)  
**NEW!** 4.14. **SICALMIX**, Sico Specialty Calcium Mixes  
 4.15. **SICALMIX-Ca nr. 5**, Liquid specialty Calcium Mix by foliar application (origin EU)  
 4.16. **Sico-CalBoMo**, liquid fertiliser designed for the prevention and cure of deficiencies to calcium, boron and molybdenum in all crops.  
 4.17. **Sico-CalBoZinc-SP nr 1 and Sico-CalBoZinc High-SP nr 2**, soluble powder fertilisers designed for the prevention and cure of deficiencies to calcium, boron and zinc in all crops.  
 4.18. **Sico-CalBoZinc-L**, liquid fertiliser designed for the prevention and cure of deficiencies to calcium, zinc and boron in all crops.  
 4.19. **Sicorgan Cal-Bor (liquid)**, specialty liquid Calcium & Boron formulation with 20% organic matter  
 4.20. **Sico-B Cal (L)**, 8% Ca + 0.5% B foliar liquid  
 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  
 4.22. **Biocalma**, Liquid foliar fertiliser 10% N + 7% Ca + 3% Mg + 1% Mn + 0.5% B (w/w)  
 P.S. See also our SICOHEL/CHELASTAR/ATTACK/PROCHEL/LIQUISTAR Chelated Calcium fertilisers!

#### 5) Boron formulations

- TOPSELLER** 5.1. **Micro-Attack**: Special cotton plant food (water soluble powder) 15% B + 2.6% Zn + 4% Mn  
 5.2. **Micro-Attack Super**: Special cotton plant food (water soluble powder) 5% Nitrogen (N) + 5% Boron (B) + 0.5% Molybdenum (Mo) + CTE  
 5.3. **Micro-Attack Super-L (liquid)**: Special cotton plant food (liquid) 5% Nitrogen (N) + 13.5% Boron (B) + 0.3% Molybdenum (Mo)  
**TOPSELLER** 5.4.1. **Borostar B15 (L)**: Liquid Boron 15%  
 5.4.2. **Borostar B16.5 (L)**: Liquid Boron fertiliser 16.5% (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  
**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)  
 5.10.1 **Sicobor+Mo**, Liquid Boron (8%) fertiliser containing high molybdenum (0.80%) (origin EU)  
 5.10.2 **Sicobor+Mo+S** Liquid Boron (7.4%) fertiliser containing high molybdenum (0.74%) and Sulphur (34.5%SO<sub>3</sub>) (origin EU)  
 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>  
 5.12 **Sicalbor-L**, proprietary liquid formulation based on Calcium, Boron and Zinc EDTA.  
 5.13. **Sicoboron BF** (broad field), a rapid wetting water soluble, low pH Boron (powder).  
 5.14. **Sico Zincbor**, liquid fertiliser based on 11.2% Zinc and 2.8% Boron (w/v)  
 5.15. **Sico Bormol**, liquid fertiliser based on 5.3% Boron, 2% Molybdenum and 0.5% Zinc (w/v)

## 6) Sulphur formulations

- 6.1. **Sulphur Attack**: Highly concentrated and fully soluble unique sulphur nutrition for plants
- 6.2. **Sicostar Sulphur 90**: Sulphur formulation containing 90% Sulphur (225% SO<sub>3</sub>) + 10% Bentonite (in pastille shaped form)
- 6.2.2 **SICO-ECOSULF 90 Granular**: Ecological Granulated Mineral Fertiliser, produced exclusively from sulphur obtained by underground smelting
- 6.2.3 **SICO-ECOSULF MICRO 800SC**: Mineral suspension fertiliser. (origin EU/Poland)
- 6.3. **Sicostar Biosulphur**: a new sulphur source, pH adjuster and soil conditioner, contains 43% Sulphur, 4.6% Calcium and 4% Ammonium Nitrogen, can correct either acid or alkaline soil conditions.
- 6.4. **Sicostar Biosulphur**: Information/application on fruit
- 6.5. **Sico-Sulf 15 + ME**: Sulphur fertiliser 15% S + 0.02% B + 0.20% Zn + 0.10% Mn (soluble powder).  
Specially designed for Sugar Cane & many other crops.
- 6.6. **Sicocorr & Sicocorr + Oligos**: Salinity corrector & soil pH reducer and acidifier, liquid NK (+S) fertiliser
- 6.8. **Sicostar Pro-Sulphur**: Sulphur trioxide (SO<sub>3</sub>) suspension in nitrogen solution containing magnesium.
- 6.9. **Sico-Perplex soypulse Mix DF** (for all leguminous crops, soybean and other pulse crops)
- 6.10 **Sicoflow Mang-Sul**, Liquid Manganese (11% Mn) based fertiliser solution with sulphur (17.6% SO<sub>3</sub>)
- 6.11 **Sicoflow Brennan**, Liquid fertiliser containing Sulphur, Copper and Manganese for foliar applications (origin EU)
- NEW!** 6.12. **SICOFOL-L100**, liquid higher N content and excellent source of sulphur.
- 6.13. **Sico Nitrosul-L** 11.7% N + 59.7% SO<sub>3</sub> (w/w) nitrogen and sulphur nutritional supplement

## 7) Fertigators & Foliar fertilizers

- 7.1. **Sico-Molybcob**: Special micronutrient suspension 15% Mo + 3% Co (w/v)
- 7.2. **Sico-Molybphos (L)** : 3.5% N + 25% P<sub>2</sub>O<sub>5</sub> + 4% Mo, Foliar liquid fertiliser for all crops growing on acid soil
- 7.3. **Sico-Comol (L)** : 2% Co + 3% Mo in a synergised form, Foliar or seed treatment
- 7.4. **Sico-Bmol (L)** : 10% B + 0.2% Mo, Foliar liquid
- 7.5. **Sico-Mol (L)** : 7% Molybdenum : Liquid foliar fertiliser for crops on acid soil
- 7.6. **Sico-Slower** : Balanced micronutrient mixture, fully water soluble, contains both NAA and NAD
- 7.7. **Sico-Phosca (liquid)** : Foliar spray to supply calcium and phosphorus, balanced macro-micronutrient mixture, available 23% P<sub>2</sub>O + 3% Ca (w/w)
- 7.8. **Sico-Phosca Extra** : Foliar spray to supply calcium and phosphorus, balanced macro-micronutrient mixture, available 42.5% P<sub>2</sub>O<sub>5</sub> + 6% Ca (w/w)
- 7.12. **Sicophos-L85** : Phosphoric Acid 85% H<sub>3</sub>PO<sub>4</sub> (E338), horticultural & foodgrade
- 7.13. **Sico K Striker**, a new powerful liquid fertiliser, 430 g/lit K<sub>2</sub>O
- TOPSELLER** 7.14. **Sico PK Power Plus** (liquid) 7% N + 37% P<sub>2</sub>O<sub>5</sub> + 25% K<sub>2</sub>O + 0.2% Zn + 0.2% Mn (w/w)
- 7.15. **Superzinc 40 SP**: 400 g zinc per kg (672 g/l) for prevention of zinc deficiencies
- 7.16. **Superzinc 40 SC**: liquid, contains 40% w/w zinc; for the treatment of zinc deficiency by foliar application
- 7.17. **Sicostar N-30**: special liquid 30% w/w (39% w/v) N, nitrogen fertiliser (well balanced between the different chemical forms of N)
- 7.18. **Sicostar P-30**: special liquid 30% w/w (42% w/v) P<sub>2</sub>O<sub>5</sub> fertiliser
- 7.19. **Sicostar Super P**: inorganic NP fertiliser solution NP (MgO) 3-27 (6) with chelated Iron (Fe) and Zinc (Zn)
- 7.20. **Sicostar Crop-Mix**: a fully concentrated soluble powder plant tonic with magnesium for foliar and drip irrigation
- 7.21. **Sico Cannafior**: Premium solution for growth and bloom. Complete liquid fertiliser for Cannabis Indica & Sativa during flowering in pots and open soil.
- 7.22. **Sicofol Magic Fe** : Iron complexed by amino acids, liquid fertiliser
- 7.23. **Sicofol Magic P**: NPK 3.27.0 + 6 MgO + Fe + Zn (solution), inorganic fluid EC fertiliser
- 7.24. **Sicofol Magic PK**: NPK 3.14.19 + B + Mn + Mo; inorganic fluid Phospho-Potassic EC fertiliser
- 7.25. **Sicoflex-Zn**: a new carbo-complexed formulation 10% Zn + 20% P<sub>2</sub>O<sub>3/5</sub> + N liquid foliar
- 7.26. **Sicoflex-Cal**: a new carbo-complexed formulation 14% CaO + 13% P<sub>2</sub>O<sub>5</sub> + 8% N liquid foliar
- 7.27. **Cal-Bor-Amin-L (liquid)**: 10% N + 14% CaO + 8% free amino acids + 0.18% boron (liquid) w/v
- 7.28. **Sicoplex Acid Zinc HI**: an organically complexed balanced source of essential micronutrients for treatment of deficiencies in all crops, contains 10% Zn + 5% Fe + 2.5% Cu + 2.5% Mn with additional N and S
- 7.29. **Sico Iron Tonic**, a sequestered iron tonic powder for those acid loving plants.
- 7.30. **Sicoripener-L**, premium liquid mineral fertiliser, special high performance formulation for ripening improvement & wood ripening enhancement, contains 15% P<sub>2</sub>O<sub>5</sub> + 20% K<sub>2</sub>O + 0.1% B + 0.1% Mn EDTA + 0.01% Mo (w/w)
- 7.31. **Sico Greencontrol-L** (liquid): reduces vegetative excess (esp. in nurseries). Promotes the strengthening and the productive activity, contains 14.5% P<sub>2</sub>O<sub>5</sub> + 19.5% K<sub>2</sub>O + 0.1% Cu EDTA + 0.1% Mn EDTA + 0.5% MO (w/w)
- 7.32. **Sico-KP Reinforcer**: premium liquid mineral fertiliser for plant nutrition and reinforcement, contains 34% P<sub>2</sub>O<sub>5</sub> + 16% K<sub>2</sub>O + 2% MgO + Cu EDTA (w/w)
- 7.33. **Sico-Dual**: fluid organic fertiliser for rooting and fruit set enhancement (allowed in organic farming)
- NEW!** 7.34. **Sico-Nitromin-L**: Liquid 9% N + 9% Ca supplement with strong anti-salinity properties for soil & foliar applications.
- NEW!** 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+56**, very high PK content foliar fertiliser.
- 7.37. **BF-HIPHOS** (Broad Field), foliar ws NPK 10.50.03 + Mn + Zn (with AMIX technology)
- 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% w/v) + S (27% w/v) fertiliser with Zn and B.
- 7.40. Sico specialty Greenhouse fertilisers

## 8) Nutritional Supplements

### TOPSELLERS

- 8.1. **SICO PERPLEX range of Multinutrient complexes (TOPSELLERS)**
- 8.1.1. **Sico-Perplex**: new multi-nutrient complex for plant stimulation & optimum levels of production (liquid)

(a.o. for pistachio)

- 8.1.2. **Sico-Perplex sugarbeet mix DF** (also for rapes, peas/beans, leaf brassicas)
- 8.1.3. **Sico-Perplex soypulse Mix DF** (for all leguminous crops, soybean and other pulse crops)
- 8.1.4. **Sico-Perplex Plus (liquid)**: new multi-nutrient complex, specially designed to counteract conditions caused by stress from excessive heat
- 8.1.5.1 **Sico-Perplex Amino-30**: A fully water soluble liquid plant growth stimulant for use in agriculture and horticulture containing nitrogen and 30% aminoacids of vegetable origin. and betaines.
- 8.1.5.2 **Sico-Perplex Amino PGS**: A fully water soluble liquid plant growth stimulant for use in agriculture and horticulture containing nitrogen and 30% aminoacids of vegetable origin.
- 8.1.6. **Sico Bio-Perplex 100**: New nutrient product carefully designed to stimulate plants into achieving optimum levels of production by improving flowering.
- 8.1.7. **Sico-Perplex King Mix**: an organically complexed balanced micronutrients mix for the treatment of deficiencies in all crops.

**TOPSELLER**

- 8.2. **Sico Nitromore**: complex of nitrogen and essential micronutrients (liquid)
- 8.2.1 **Sico-Pistachio**: new multi-nutrient complex for plant stimulation & optimum levels of production (liquid) for pistachio.
- 8.2.2. **Sico Super Pistachio-L**: Multinutrient mix to increase optimum yields and to stimulate plants to resist & recover.
- 8.2.3. **Rich Pistachio-L**: Multinutrient mix complex to increase optimum yields and to stimulate plants to resist & recover from stressful situations.
- 8.2.4. **Super Rich Pistachio-L**: Multinutrient mix complex to increase optimum yields and to stimulate plants to resist & recover from stressful situations.
- 8.4.1. **Sico-Seedtreat**: micronutrient suspension fertiliser for seed treatment esp. for corn
- 8.4.2. **Sicoprof**: seed treatment & growth stimulant
- 8.5. **Sico Seeddresser-ZMS**: with cytokinin (zeatin), GA3 and 3IBU, 5% Zn (w/w), 2.5% Mn (w/w) + 5% S: (soluble liquid)

**TOPSELLERS**

- 8.6. **SICOFLOW LIQUIDS**
- 8.6.1. **Sicoflow Cu 250**: Cu based (250 g/l) flow, copper oxychloride suspension, 19.2% total Copper, for foliar application
- 8.6.3. **Sicoflow Mag**: hydromagnesium oxide 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
- 8.6.5. **Sicoflow Zn 600**, Zn based (600 g/l) flow, (zinc hydroxide), 35% total zinc fertiliser for direct soil and foliar applications
- 8.6.6. **Sicoflow Nitrosul**, high sulphur trioxide ( 72% SO<sub>3</sub>) suspension in a nitrogen (12.5% N) solution with 2% MgO, esp. for use on cereals
- 8.6.7. **Sicoflow Bor**: New generation boron formulation: Calcium Borate fertiliser in suspension, 7% B + 12% CaO
- 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 Mangacop**: liquid EC fertiliser based on Copper oxychl 2.35% Cu +2.1% Ureic N +30% SO<sub>3</sub> +7.4% Mn.
- 8.6.10 **Sicoflow Brennan**, Liquid fertiliser containing Sulphur, Copper and Manganese for foliar applications (origin EU)
- 8.6.11 **Sicoflow-Mae**, manganese based fertiliser 3.8% N + 3.3% Mn + 5.4% MgO + 16.3% SO<sub>3</sub> (origin EU)
- 8.6.12 **Sicoflow High Mang+Sul**, foliar manganese fertilizer 2% N + 4.7% Mn + 47% SO<sub>3</sub> (origin EU)

**NEW!**

- 8.9. **Sicotop-N Plus** 33% N + 10% S (w/v) with rainfastening agent. Unique low-scorch Nitrogen plus Sulphur designed specifically to improve grain protein levels.
- 8.9.1. **Sicotop-N Plus**: Wheat N response trial: Yield summary.
- 8.10. **Sico-Zeofer**: Natural granular slow release stress reliever NPK 0-3-3 + 10% FeO + 5.4% MgO, with more than 50% of Zeolite minerals, ideal for sandy soils
- 8.11. **Sicogreen Calphos**: Liquid NP fertiliser containing 4.4% CaO + 3.3% N + 24.2% P<sub>2</sub>O<sub>5</sub> (origin E.U.)
- 8.12. **Biorone**, new nutrient product designed to stimulate plants to achieve optimum levels of production by improving flowering.

**NEW!**

8.13. **Peptamin-L**, rich in organic nitrogen & organic matter. Suitable for organic agriculture.

**NEW!**

8.14. **Sicofol-N30**, 100% liquid nitrogen for all crops.

8.15. **Sico-Magnit**, fertiliser based on crystalline magnesium nitrate. Suitable in drip irrigation & hydroponics.

**TOPSELLER**

- 8.16.1 **Sicothio + 36K**, high sulphur and potassium. Liquid fertiliser containing potassium thiosulphate (KTS), chloride free (origin Italy)
- 8.16.2 **Sicothio + 36K**, High performance liquid fertiliser Potassium Thiosulphate (KTS) solution, containing 25% K<sub>2</sub>O + 17% S (origin Turkey)

**NEW!**

8.17. **Sico Combiphos-L**, N+P 10-30 (w/w) liquid starter fertiliser characterized by gradual release

8.18. **X-Factor**, unique formulated Zn and Mn liquid nutritional supplement for foliar application

8.19. **Sicoleaf-HP High P Liquid NPK 3.26.12 + SA** (salicylic acid). High performance liquid specialty fertiliser for the activation of the plant's thermotolerance.

8.20. **Sicoleaf 2-10-10 + 5% Amino Acids (w/w)**

8.21. **Sicoleaf-HP High K liquid NPK 3.22.30 + 5% GS-45** (seaweed extract) (w/v) + Micronutrients. (for foliar applications) (origin E.U.)

8.22. **Nitrical-Mag**, Calcium, Magnesium and Nitric Nitrogen foliar application or drip irrigation (for foliar & drip applications) (origin E.U.)

**9) Adjuvants water conditioners & spray additives**

9.1. **Sico-Binder**: An environmentally friendly "crop oil & surfactant" for use with pesticides

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

9.4. **Sico Penetrator**, agriculture spraying water conditioner (combats medium and high pH water etc.)

9.5. **Sico Wetting agents**

9.5.1. **Sicowett Tri-Phase (STP)** : Green concept wetter & spreader & spray adjuvant

- 9.5.2. **Sicodrencher Mega Pellets**
- 9.5.3. **Sicodrencher Mini Pellets**
- 9.6. **Adjuvant Specifications:**
  - 9.6.1. **Penetrator:** Acidifying penetrant
  - 9.6.2. **Extender:** Spreader sticker
  - 9.6.3. **Reactor:** Water treatment (+Agricultural spraying water treatment conditioner)
  - 9.6.4. **Spreader:** Spreader
  - 9.6.5. **Wetter:** Wetting agent
  - 9.6.6. **Suppressor:** Anti-foam
  - 9.6.7. **ReTarder:** Spray drift retardant
- 9.7. **Sico Dewdrip:** Dew Dispersant
- 9.8. **Sico-pH master,** pH buffer and sticker. Special liquid NP fertiliser – acidifying agent.
- 9.9. **Sico Cropoil-E:** Agricultural spray oil with an emulsifier
- 9.10. **SICOSORB:** Water retaining super absorbing, potassium based polymer

#### 10) Tailormade Specialty fertilisers as per client's specifications: some examples

- 10.1. **Sico-Calorg-L** (liquid): Calcium with organic acids
- 10.2. Liquid 10% w/v organic Nitrogen + 50% amino acids containing 35% organic carbon
- 10.3. Liquid 4% w/v organic Nitrogen + 7.8% K<sub>2</sub>O + 25% amino acids
- 10.4. **Sico Nitro DKP-L:** Concentrated soluble liquid fertiliser NPK 0.30.40
- 10.5. **Sico Orgamin-L:** a fully water soluble liquid plant growth stimulant containing 20% amino acids and essential micronutrients
- 10.6. **Sicophos-L 50% P<sub>2</sub>O<sub>5</sub>:** Concentrated soluble liquid fertiliser
- 10.7. **Sico Almuzher-L:** liquid fertiliser concentrate 9% N + 30% P<sub>2</sub>O<sub>5</sub>

#### 11) 'SICOPONICS' Scientific products for Hydroponics

- 11.0. Intro Sicoponics
  - Unique scientific range of high-quality effective products to meet the changing needs of the hydroponics market place.
  - Includes a NEW stress relief range.
  - Problem solving for growers and technical support where possible.
- 11.1. Biological range
  - 11.1.1 **Sico Orga-Gel**, organic rooting gel, humica acid based, that can be used with any rooting medium.
  - 11.1.2 **Sico Saviour**, optimises yields from retarded plants.
  - 11.1.3 **Sicobio-P:** biostimulant, containing Phosphate Solubilising Bacteria
  - 11.1.4 **Sicobio-TP:** seed treatment, containing Phosphate Solubilising Bacteria (PSB) (esp. on potato seed)
- 11.2. Additives range
  - 11.2.1. **Sicogreen-L Flower PK 18-20**, a unique and superior PK blend.
  - 11.2.2. **Sico-Rootgel**, a natural organic rooting gel using humic acids.
  - 11.2.3. **Sico-Rootbooster**, unique stress relieving biostimulant & root promoter.
  - 11.2.4. **Sico-Plantcare**, a product to maintain growth and health in the plant you use for cuttings.
  - 11.2.5. **Sico-Plantelexir**, to help plants recover from disease, damage, pests etc. Will give you the strongest and heaviest plants achievable !
  - 11.2.6. **Sico-Plantpower**, plant strengthening agent, nutrient uptake promoter, organically based.
  - 11.2.7. **Sico Flor-Enhancer**, improves size and quality of flower yield over the shortest of growing periods.
  - 11.2.8. **Sico-Reactor**, softens and acidifies water.
  - 11.2.9. **Sico Icedreamer**, protects against heat stress & advanced biostimulant – stress relief technology.
  - 11.2.10. **Sico Heatdreamer**, anti-freeze for plants & advanced biostimulant – stress relief technology.
  - 11.2.11. **Sico Waterdreamer**, protects against drought conditions, grows water – stress relief technology.
  - 11.2.12. **Feeding Schedules**, our recommended schedule for Sicoponics additives.
  - 11.2.13. **Sico-Amino Plus**, a natural plant extract nutrient designed to provide supplementary nutrition in all flowering plants.
  - 11.2.14. **Sico-Carbostar**, superior combination of naturally occurring biostimulant materials.
- 11.3. Growth boosters
  - 11.3.1. **Sico pH Buffer**, an organic acid pH balancing agent. Maintains the perfect pH for growth !
  - 11.3.2. **Sico-Oxyboost**, combined disinfectant (with advanced surfactant, oxygen producer and pH reducing agent).
- 11.4. Feeds range
  - 11.4.1. **Sico-Diamond Grower A and B**, to achieve optimum yields in the shortest possible time.
  - 11.4.2. **Sico-Diamond Flower A and B**, to provide primary nutrition in all flowering plants.
  - 11.4.3. **Sico-Seapower Plus**, natural organic seaweed extract.

#### 12) Specialty ZINC formulations - See also our various chelated zinc micronutrients :

- TOPSELLER** 12.1 **Sicoflow Zn 600**, Zn based (600 g/l) flow, (zinc hydroxide), 35% total zinc fertiliser for direct soil and foliar applications
- 12.2 **Sicoplex Acid Zinc HI:** an organically complexed balanced source of essential micronutrients for treatment of deficiencies in all crops, contains 10% Zn + 5% Fe + 2.5% Cu + 2.5% Mn with additional N and S
- 12.3 **Sicoflex-Zn:** a new carbo-complexed formulation 10% Zn + 20% P<sub>2</sub>O<sub>3/5</sub> + N liquid foliar
- 12.4 **Superzinc 40 SC:** liquid, contains 40% w/w zinc; for the treatment of zinc deficiency by foliar application
- 12.5 **Superzinc 40 SP:** 400 g zinc per kg (672 g/l) for prevention of zinc deficiencies
- 12.6 **Attack DF High Zinc:** water soluble chelated micronutrient mix for both foliar and soil applications, containing 8% Zn.
- TOPSELLER** 12.7 **Sicogreen Zinc:** New organic zinc complex for prevention and control of zinc deficiency, leaf fall in viticulture and pome fruits: 6% Zn + 5% N (foliar suspension)
- 12.8 **Sio-Zinit:** zinc nitrate solution 42% (w/w), liquid foliar fertiliser
- 12.9 **Sico-Zinit-L:** Zinc water soluble, EC fertiliser in solution basis of zinc nitrate (14.7% Zn)
- 12.10 **Sicogreen-L Liquizinc NP 3-19.1 + 53% SO<sub>3</sub> + 5.5% Zn – 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>

- NEW!** 12.11 **Maestro-Z**: excellent liquid source of zinc based upon zinc ammonium acetates: 7.5% N + 8% Zn + 2% Amino-Acids  
12.12 **Promise Zn**: liquid fertiliser based on 10% w/v zinc, complexed with Amino-Acids  
12.13 **Sicogreen-L Zinc Starter** (liquid) 3% N + 20% P<sub>2</sub>O<sub>5</sub> + 4.8% MgO + 3.2% Zn (ADR)  
12.14 **Sicogreen-L High Zinc EDTA 115** (liquid) Highest zinc efficiency & starter fertiliser for leaf and drip irrigation applications.  
12.15. **Sico Zincbor**, liquid fertiliser based on 11.2% Zinc and 2.8% Boron (w/v)

### 13) Specialty COPPER formulations

- 13.1 **Sicoflow Cu 250**: Cu based (250 g/l) flow, copper oxychloride suspension, 19.2% total Copper, for foliar application.  
13.2 **Sicoflow Mangacop**: Liquid EC fertiliser based on Copper oxychloride 2.35% Cu+ 2.1% Ureic N+ 30% SO<sub>3</sub>+ 7.4% Mn  
13.3 **Sicostar Mangacop**: Liquid EC fertiliser based on Copper sulphate 2.6% Cu + 7.7% Mn

### 14) Specialty MANGANESE formulations

- 14.1 **Sicoflow Mang-Sul**, Liquid Manganese (11% Mn) based fertiliser solution with sulphur (17.6% SO<sub>3</sub>)  
14.2 **Sicoflow Mang-Cop**, Liquid EC fertiliser with 7.2% Mn + 2.35% Cu + 33.5% SO<sub>3</sub>

### 15) Specialty IRON formulations

- 15.1 **Sicogreen-L** Fe + Mn EDTA liquid 3.5% Fe + 2.8% Mn  
15.2 **Sicogreen-S** Iron EDTA Safe foliar suspension for prevention and control of iron deficiency

### 16) Sico Thiosulphate solutions

- 16.1 Calcium thiosulphate solution (CaTS), 30% (w/v) – 24% (w/v)  
16.2 Potassium thiosulphate solution (KTS), 72% (w/v) – 50% (w/v)  
16.3 Ammonium thiosulphate solution (ATS), 72% (w/v) – 55% (w/v)  
16.4 Magnesium thiosulphate solution (MtTS), 24-30% (w/v)  
16.4.1 **Sico-MgTS (24-30% w/v)**  
16.4.2 **Sico-KTS (50% w/w)**

## 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 bags): A complete range for successful horticulture: product survey

- TOPSELLER** 1.1. Type 1: Seedling & Young plant substrate. Sowing substrate  
1.1B Type 1B: Seedling & Young plant substrate with PERLITE. Sowing substrate, high air capacity required  
1.2. Type 2: Plant (potting) substrate  
**TOPSELLER** 1.3.1. Type 3: Compressed peat pot substrate (blocking compost)  
1.3.2. Type 3: Compressed peat pot substrate (blocking compost) special with 1.5 kg PG MIX  
1.4. Type 4: Universal Potting Soil for hobby gardens  
1.5. Type 5: Container (potting) substrate  
1.6. Type 6: Azalea substrate  
1.7. Type 7: Tray (sowing) substrate  
1.8. Type 8: Clay potting substrate  
**TOPSELLER** 1.9. Type 9: Universal substrate (3-4M) incl. slow release NPK 16.11.11 + starter NPK 18.10.20  
1.10. Type 10: Universal substrate incl. starter NPK 18.10.20  
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  
1.16. N14: Growbag with Perlite, including starter fertiliser NPK 18.10.20 esp. for strawberry culture  
1.17. N15: Sicoflor potting soil, enriched with starter fertiliser NPK 14.16.18 and an organic fertiliser.

#### 5.0. SICOFLOR® BALTIC (LATVIAN) PEATS (in 250 ltr bales): product survey

- 5.1.1 Type 1: Baltic peat standard: 100% white peat, pH 2.5-3.5 without wetting agent  
5.1.2 Type 2: Baltic peat standard: 100% white peat, pH 2.5-3.5 with wetting agent  
5.1.3 Type 3: Baltic peat standard: 100% white peat, lime, NPK 18.10.20 fertiliser, pH 5-6, without wetting agent  
5.1.4 Type 4: Baltic peat standard: 100% white peat, lime, NPK 18.10.20 fertiliser, pH5-6, with wetting agent  
5.1.5 Type 5: Baltic peat standard: 100% white peat, 0-40mm, pH 2.5-3.5 without wetting agent  
5.1.6 Type 6: Baltic peat standard: 100% white peat, 0-40mm, pH 2.5-3.5 with wetting agent  
5.1.7 Type 7: Baltic peat standard: 100% white peat, 0-40mm, pH 5-6 with wetting agent  
5.1.8 Type 8: Baltic peat standard: 100% white peat, 0-40mm, pH 2.5-3.5 + PG Mix and with wetting agent  
5.2.1 Type 5: Baltic peat extra 0-5 mm: 100% white peat, pH 2.5-3.5 without wetting agent  
5.2.2 Type 6: Baltic peat extra 0-5 mm: 100% white peat, pH 2.5-3.5 with wetting agent  
5.2.3 Type 7: Baltic peat extra 10-20 mm: 100% white peat, pH 2.5-3.5 without wetting agent  
5.2.4 Type 8: Baltic peat extra 10-20 mm: 100% white peat, pH 2.5-3.5 with wetting agent  
5.2.5 Type 9: Baltic peat extra 20-40 mm: 100% white peat, pH 2.5-3.5 without wetting agent  
5.2.6 Type 10: Baltic peat extra 20-40 mm: 100% white peat, pH 2.5-3.5 with wetting agent

#### 6.0. SICOFLOR® BALTIC (LATVIAN) PEAT SUBSTRATES (in 250 ltr bales): For fast germination and growth.

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

6.6. SICOFLOR® Baltic Peat Special Mix Substrate 1 80/20 (Art. No. BPS 6)

6.7. SICOFLOR® Baltic Peat Special Mix Substrate 80/20 + Clay powder, fine structure (Art. No. BPS 7)

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

We supply also SICO powdered horticultural micronutrients (slow release) for application to all potting soils and composts (see SICO MICRONUTRIENTS brochure).

**7. SICOFLOR® Peat Substrates (in 70 lt EN bags) and Peatmoss (in 300 lt EN bales). Most competitively priced. Topquality directly from Estonia (shipping ex Tallin) for VISIBLE SUCCES.**

- 7.1.a Sicoflor SPS M4 Dark 112339 Type 1A
- 7.1.b. Sicoflor SPS M11 100% Light P 113896 Type 1B
- 7.2. Sicoflor SPS PP1 Medium Light 113618 Type 2
- 7.3. Sicoflor SSB M5 100% dark 113201 Type 3
- 7.4. Sicoflor SPS BP1 Medium Light 113703 A Type 4
- 7.5. Sicoflor SPS M1 light 113030 Type 5
- 7.7. Sicoflor SSB M4 dark 111202 Type 7
- 7.8. Sicoflor SSB PP1 Medium Light 113619 Type 8
- 7.10. Sicoflor SPS M6 112720 Type 10
- 7.11. Sicoflor SPS M5 100% Dark 113200 Type 11
- 7.12. Sicoflor SPS M2 EC 0.6 112989 Type 12
- 7.15. Sicoflor SPS PP Medium P 113820 Type 15
- 7.18. Sicoflor SSB M7 100% dark 111203 Type 18
- 7.19. Sicoflor SPS M9 100% DA EC 1.5 113705 Type 19
- 7.20. Sicoflor SSB M9 100% DA EC 1.5 113693 Type 20
- 7.21. Sicoflor SPM Peatmoss Medium 110279 Type 21
- 7.22. Sicoflor SPM Peatmoss Coarse 110280 Type 22
- 7.23. Sicoflor SPS BP5 Coarse FR 112988 Type 23
- 7.24. Sicoflor SPS BP6 X Coarse FR 112994 Type 24
- 7.25. Sicoflor SSB BP6 X Coarse FR 113015 Type 25
- 7.26. Sicoflor SSB M2 EC 0.6 113016 Type 26
- 7.27. Sicoflor SSB BP7 X Coarse FR P 113895 Type 27

**G) SICO® ORGANIC & ECOLOGICAL FERTILISERS & SOIL CONDITIONERS**

**1) SICORGAN® Organic Fertilisers in 4mm pellets (granules) – ex our Belgian plant**

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

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

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 Fertilisers : General Information.

1.0.2 SICORGAN production process

**TOPSELLER**

1.1. **SICORGAN Organic NPK 4.3.3 + 1 MgO (68% OM)** (poultry manure: 100% natural fertiliser)

1.2. **SICORGAN-BIO Organic NPK 4.3.3 + 1 MgO (70% OM)** (poultry manure: 100% natural fertiliser)

1.3. SICORGAN Organic NPK 2.4.3 + 1 MgO (60% OM)

**TOPSELLER**

1.4. **SICORGAN-N Cure Organic compound NPK 8.3.3 + 1 MgO (60% OM)**

**TOPSELLER**

1.5. **SICORGAN-K Cure Organic compound NPK 4.2.10 + 1 MgO (53% OM)**

**TOPSELLER**

1.6. **SICORGAN-P Cure Organic compound NPK 4.10.2 + 1 MgO (58% OM)**

1.7. SICORGAN Organic compound NPK 5.5.5 + 1 MgO (55OM)

1.7. SICORGAN Organic compound NPK 6.2.2 + 1 MgO + 0.7 MgO (68 OM)

1.7. SICORGAN Organic compound NPK 6.3.3 + 1 MgO (60% OM)

1.8. SICORGAN Organic compound NPK 2.3.6+ 1 MgO (59% OM)

1.9. SICORGAN Organic compound NPK 2.6.3 + 1 MgO (59% OM)

1.10. SICORGAN NPK 9.3.3 + 1MgO (55% OM) (4mm)

1.11. SICORGAN NPK 9.5.3 + 1MgO (48% OM) (4mm)

1.12.1. SICORGAN-N High Organo-mineral NPK 10.2.1 + 1 MgO (52% OM)

1.12.2. SICORGAN-N High Organo-mineral NPK 10.2.2 + 1 MgO (52% OM)

1.12.3. SICORGAN-N High Organo-mineral NPK 10.3.3 + 1 MgO (50% OM)

1.12.4. SICORGAN-N High Organo-mineral NPK 10.4.1 + 1 MgO (50% OM)

1.12.5. SICORGAN-N High Organo-mineral NPK 10.3.4 + 1 MgO (45% OM)

1.12.6. SICORGAN-N High Organo-mineral NPK 10.4.3 + 1 MgO (45% OM)

1.13.1. SICORGAN dried cow manure, organic NPK 3-2-3.5 + 1 MgO (65% OM)

1.13.2. SICORGAN dried cow manure, organic NPK 2-2-2 + 1.2 MgO (70% OM)

**NEW!**

1.14. SICORGAN COFFEE&POTATO&TOBACCO: organo-mineral NPK 4.3.7 + 1 MgO (60% OM) (4-5mm)

**2) SICORGAN GEL 100% organic PLANT NUTRITION range – ex our Spanish plant**

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 SEAWEED GEL 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

#### 3.1. Nitrogen fertilisers:

3.1.1 **SICORGAN-CHFM CP75 and CP80**, Chinese Hydrolysed FeatherMeals

#### 3.2. Potassium fertilisers:

**TOPSELLER**

3.2.1 **SICOVINASSE** 37% K<sub>2</sub>O, biological long lasting source of potassium (by-product from beet molasses).

3.2.2 **SICOVINASSE-L** NPK 3.0.7, liquid concentrated molasses vinasse, biological fertiliser

3.3. **SICOPRO** Porcine meat bonemeal 42-44 CP, used as organic fertiliser

### 4) SICORGAN® Organic fertilisers produced from vegetal raw materials

#### 4.1. SICORGAN-VOM, Vegetal Organo-Mineral fertilisers

4.1.1 SICORGAN-VOM GOLD NPK 7.7.7 (40% OM), low chlor in 4mm pellets esp. for vegetables.

4.1.2 SICOVINASSE 37% K<sub>2</sub>O, biological long lasting source of potassium (by-product from beet molasses).

4.1.3 SICORGAN-V NPK 3.3.3 (70% OM), basic fertiliser for all crops esp. vegetables in 4 mm

4.2.4 Organic NPK 11-0-5 0.3MgO (71% OM), suitable as vegan fertiliser (round shaped balls)

4.3.1 Sicorgan NPK 2-2-2 (60OM)

4.3.2 Sicorgan NPK 6-3-12 2MgO (35OM)

### 5) SICOBIO

#### 5.1 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% organic matter (OM), pH 5-6

5.1.2.1 **SICOBIO HIGH K**, 15% K<sub>2</sub>O, 6% OM, pH 4-5

5.1.2.2 **SICOBIO POTASSIUM**, 10% K<sub>2</sub>O, 4% OM, pH 4-5

5.1.3 **SICOBIO MAG**, 5% MgO, 10% SO<sub>3</sub>, 1% Amino Acids (AA), 15% OM, pH 4.5-5

5.1.4 **SICOBIO NITRO**, 10% Total N, 9.6% N-org, 0.4% N-NH<sub>4</sub>, 47% OM, pH 4.5-5.5

5.1.5 **SICOBIO PHOS**, 8% P<sub>2</sub>O<sub>5</sub>, 1.5% N, 6% OM, pH 3.5-4.5

#### 5.2. 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, Na<sub>2</sub>O < 0.1%, SO<sub>3</sub> < 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. 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, complexed by ligno sulphonic acids, 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 acids, pH 5.5

#### 5.4. BIOSTIMULANTS

5.4.1 **SICOBIO AMINO**, Total N 8.4%, 60% OM, 30% organic carbon, 23% humus 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

#### 5.5. SICOBIO NUTRI RANGE

5.5.1 **SICOBIO NUTRI FLOWERING PLANTS**

5.5.2 **SICOBIO NUTRI GREEN PLANTS**

5.5.3 **SICOBIO NUTRI VEGETABLES GARDEN**

### 6) SICO-VERMISOL: Lombricompost: organic fertiliser obtained by lombriculture (earth-worms)

### 7) SICOCORR: SICOCORR Mycorrhizal Fungi

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

7.0. SICOCORR Intro + Product review

7.1. SICOCORR Hobby

7.2. SICOCORR Garden Special

7.3. SICOCORR Fertagri

7.4. SICOCORR Garden Greens

7.5. SICOCORR Garden Top

7.6. SICOCORR Garden Ericoid

7.7. SICOCORR Park & Forest

7.8. SICOCORR Benefit

### 8) SICO-ECOGREEN organo-mineral lawn fertilisers

**TOPSELLER**

**12) SICO-COMBISULPHATE (Polysulphate): 14% K<sub>2</sub>O + 6% MgO + 17% CaO + 48% SO<sub>3</sub>, granular 2-4 mm sulphate fertiliser (low chlor)**

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

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

1. Product survey

**1) Products for on/in soil application**

- 1.1. **SICALG**: Dehydrated Ascophyllum Nodosum Seaweed Fertiliser (in powder or in flakes) for on soil application
- 1.2. **PCA3**: Protein Concentrate of Seaweed (fertiliser) Organic nitrate manure of 100 % seaweed origin
- 1.3. **PCA3 and SICALG**: Comparative table as soil enriching agent
- 1.4.1. **SEACALMIN**: The original calcified seaweed (min. 46.3 % Calcium) with all essential trace elements.
- 1.4.2. **SEACALMIN**: Dry granular Irish calcified seaweed.
- 1.5. **SICOMARE "SOILBUILDER" Composted Seaweed** : 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. **SICOMER SOIL IMPROVER - K**: Seaweed soil improver with enhanced potassium (K)

**2) Products for foliar applications (pulverisation on leaves)**

2.0. **SICOMER LIQUID RANGE**: Introduction

2.1. **SICOMER PRODUCTS**: General information – world unique technology.

2.1.1. SICOMER B/MG

2.1.2. SICOMER 6.5.5

2.1.3. SICOMER MG

2.1.4. SICOMER CA

2.1.5. SICOMER CMZ

2.1.6. SICOMER FE

2.1.7. SICOMER B

2.1.8. SICOMER B/MO

2.2. **SICOMER**: For quality Pome & Stone Fruits

2.3. **SICOMER**: For quality Wine

2.4. **SICOMER**: For quality Vegetables & Fruits

2.5. **SICOMER S.M.G. 95**: Soluble MicroGranular seaweed extract

2.6. **SICOMER BS 35AL**: A fully water soluble liquid containing 35% dry matter per litre

2.7. **SICOMER-35L "QUATTRO"**: Enhanced seaweed extract with added micronutrients (liquid) (35%)

2.8. **SICOMER BS 45AL**: Organic liquid seaweed extract. An alkaline extract of the seaweed *Ascophyllum Nodosum* (45%)

2.9.1. **SICOMER-L + NPK 02-00-15**: Seaweed extract with NPK and with 0.5% chelated Iron (liquid)

2.9.2. **SICOMER-L TURF + NPK 2.5-00-06**: Seaweed extract with NPK and with 4% Fe & 1.6% Mgo (liquid)

2.10.1. **SICOMER-L + NPK 5-5-5**: Seaweed extract with NPK (liquid)

2.10.2. **SICOMER-L + NPK 12-00-07**: Seaweed extract with NPK and with 1% chelated Fe (liquid)

2.11. **SICOMER-L + 20% Nitrogen**: Seaweed extract + Nitrogen (liquid)

2.12.1. **SICOMER-L + 6% Iron**: Seaweed extract with 6% chelated Fe (liquid)

2.12.2. **SICOMER-L + 10% Iron**: Seaweed extract with 10% chelated Fe (liquid)

2.12.3. **SICOMER-L + NPK 12.00.12 + Seaweed extract**: liquid fertiliser esp. for grass and other crops.

2.12.4. **SICOMER-L SEAMASTER** : new sophisticated liquid seaweed extract based fertilizer (NPK 2.1-1.6-4.0)

2.13.1. **SICOMER PGS Zn 5%** : Ascophyllum nodosum plus added Zinc

2.13.2. **SICOMER PGS Fe 5%** : Ascophyllum nodosum plus added Iron

2.13.3. **SICOMER PGS CaO 14%** : Ascophyllum nodosum plus added Calcium

2.13.4. **SICOMER PGS Topmix** : Ascophyllum nodosum plus added Cu, Mn and Zn

2.13.5. **SICOMER PGS 95SP** (soluble powder) : Ascophyllum nodosum seaweed soluble powder

2.13.6. **SICOMER PGS 50L** (liquid) : Ascophyllum nodosum seaweed liquid

2.13.7. **SICOMER PGS-35** Seaweed extract: a fully water soluble liquid extract of ascophyllum nodosum, 35% dry matter per litre. Stimulates root development.

2.13.8. **Richcrop**, microgranular organic growth promoter algae extract. Suitable for use in organic agriculture (foliar & drip).

2.13.9. **SICOMER-50 L**, very concentrated liquid 50% w/v seaweed concentrate.

**NEW!**  
**NEW!** 2.13.10. **SICOMER-55 LA**, very concentrated liquid seaweed concentrate plus added amino acids.

2.13.11.1 **SICOLEAF**, seaweed based fertilisers

2.13.11.2 **SICOLEAF-HP high K liquid NPK 03-22-30 +5% GS**, seaweed based fertiliser with 50 g/l GS-45 seaweed extract.

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

2.14.1 **SICOMER POWER**, Powerful special seaweed extract. Natural growth promoter & anti-stress (origin E.U.)

2.14.2 **RICHCROP-L**, Liquid organic growth promoter, fully derived from vegetal extract Suitable for use in organic agriculture (for soil & foliar & drip application) (origin E.U.)

2.15. **SICO-GREENKEEPER -L**, Osmoprotectant against cold weather conditions (liquid). Soluble for use in organic farming. (for foliar & drip application) (origin E.U.)

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

2.14. **SICO-SEAPOWER**: Seaweed extract soluble granular (origin China)

2.14.0. **SEAPOWER**: Soluble Seaweed Extract Powder (foliar fertiliser)

- 2.14.1. 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. **MATRINE 0.36% SEAPOWER**, Matrine Microcapsule Aqua 0.36% + Seaweedextract (insecticidal fertiliser)
- 2.19. **SEAWEED RESIDUE**
- 2.20. **KELP MEAL**
- 2.21. **ZEOLITE** : used for its absorbing properties in aquaculture, agriculture, animal husbandry etc.

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)

- NEW** 2.23. **SICOMAX SEAMASTER**, seaweed extract granules, 45% organic matter (origin China)
- NEW** 2.24. **SICOMAX SEACAPTAIN**, seaweed extract, fully water soluble 18% Alginate Acid, 50% organic matter (origin China)
- NEW** 2.25. **SICOMAX SEAWEED-L**, liquid seaweed (origin China)

### **3 - 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**

### **1) SICOCOTE SUPER -SG (SPORTS & GREEN) CRF controlled release fertilisers**

#### **2) Turf Biostimulants**

- 2.1. **Sico-Trigger**: Powerful & safe biostimulant for high potential crops, root crops etc.
- 2.2. **Green-Speed**: Improves the speed of greens, helps to control the spread of Poa annua
- 2.3. **Sico-Turfstim**: Special Silicon & Potassium Turf Bio-stimulant
- NEW!** 2.4. **Sico-Dynastim Liquid: Patented** Phosphite Thiosulphate complex for improved turf health and complementary disease suppression in fine turf. Plant stimulator.

#### **3) "GREENFAST" Iron Formulations**

- 3.1. **Greenfast Fe**: 20% soluble Iron (Fe) in a readily soluble powder
- 3.2. **Greenfast Fe S**: 15% Fe with additional 13% Sulphur (34% So<sub>3</sub>) and 4% Nitrogen
- 3.3. **Greenfast Iron Liquid**: An economy inorganic liquid containing 60 g/l of Iron (6% Fe)
- 3.4. **Greenfast Iron Chel**: 100 g/l Fe as a fully chelated liquid based on EDTA
- 3.5. **Greenfast Fe Mg**: A co-formulation of both iron and magnesium
- NEW!** 3.6. **Greenfast Iron Turfcomplex**: A unique concentrated formulation of liquid iron (complex)

#### **4) Humic Substances**

For our complete program of humic substances & fulvic acids & amino acids: please consult chapter E/3.

- NEW!** 4.1. **SICO-PROHUMIC-L liquid**, contains 25% humic acid (w/w) derived from a modified potassium humate
- NEW!** 4.2. **SICO-PROHUMIC SP (soluble powder)**, contains 25% humic acid, 17-18% K<sub>2</sub>O

#### **5) SICOFOL - Turf Foliar Nutrients**

For golf and sports turf

- 5.1. **Sicofol-Turf Tournament**: NPK 6-1-6 + Fe
- 5.2. **Sicofol-Turf Green**: NPK 18-3-4 + micros
- 5.3. **Sicofol-Turf Fe**: Rapid uptake foliar 6% Iron
- 5.4. **Sicofol-Turf Mn**: 5% Manganese
- 5.5. **Sicofol-Turf Mg**: 5% Magnesium
- 5.6. **Sicofol-Turf Zn**: 5% Zinc
- 5.7. **Sicofol-Turf Ca**: 5% Calcium
- NEW!** 5.8. **Sicofol-Carboturf**: NPK 6-4-4 complexed carbohydrate mix with humic and fulvic acids

#### **6) SICOGREEN-TURF** Water soluble NPK fertilisers, special range for sports turf & golf course.

- 6.1. **Sicogreen Turf nr. 1**: NPK 10-20-30 + chelated micros
- 6.2. **Sicogreen Turf nr. 2**: NPK 10-30-20 + chelated micros
- 6.3. **Sicogreen Turf nr. 3**: NPK 15-00-00 + Sulphur + Iron + Magnesium (Fast Green)
- 6.4. **Sicogreen Turf nr. 4**: NPK 15-00-15 + Calcium + chelated micros
- 6.5. **Sicogreen Turf nr. 5**: 20-00-20 + chelated micros
- 6.6. **Sicogreen Turf nr. 6**: 20-20-20 + chelated micros
- 6.7. **Sicogreen Turf nr. 7**: 25-00-25: + chelated micros
- 6.8. **Sicogreen Turf nr. 8**: 25-05-15 + Iron + Manganese + chelated micros
- 6.9. **Sicogreen Turf nr. 9**: 27-09-18 + chelated micros

## 7) Sports Turf Management Specialty Range

- 7.1. **Humiturf**: An organic soil conditioner and biological turf management aid
- 7.2. **Calturf**: Reduces the sodium content of the root zone
- 7.3. **Surfturf Surfactants**: A new generation of specialist surfactants for turf
- 7.4. **Microturf**: A high concentration micronutrient liquid with additional humic acids
- 7.5. **Greenfast Fe Mg**: A co-formulation of both iron and magnesium
- 7.6. **Green-Speed**: Improves the speed of greens, helps to control the spread of *Poa annua*
- 7.7. **Green-Royal**: A foliar nutrient based on Phosphite
- 7.8. **Chelastar Turf Plus**: A spray dried chelate blend containing all the essential micronutrients in a highly soluble form
- NEW!** 7.9. **Sico-Zeofer**: Natural granular slow release stress reliever NPK 0-3-3 + 10% FeO + 5.4% MgO, with more than 50% of Zeolite minerals, ideal for sandy soils
- NEW!** 7.10. **Sicomer Plus-L** (liquid): Premium natural seaweed extract with 25% slow release N
- NEW!** 7.11. **Sico-Antiworm-L** (liquid): Worm deterrent and soil penetrant
- NEW!** 7.12. **Sico-Moss Foe**: Turf nutrient and moss deterrent. A nutrient based unique blend of Iron and Copper
- 7.13. **Sico-Marker**: Amenity line marking liquid
- NEW!** 7.14. **Sico-Dewdrip**: Dew dispersant (non scorching surfactant)
- 7.15. Sico-Wetting agents (Surfactants)
  - 7.15.1. **Sicowett-Triphase** (STP): Green concept wetter & spreader & spray adjuvant
  - 7.15.2. **Sicodrencher Mega Pellets**
  - 7.15.3. **Sicodrencher Mini Pellets**
- NEW!** 7.15.4. **Sico Turf Wetter**: Organic plant extract wetter agent & soil penetrant (surfactant). Improves performance of pesticides.

## J) MISCELLANEOUS

- 1.1. **SICO Burlap Nursery Squares**: are used in tree nurseries as gauze wrapping to protect the ball of soil during transit. Also in "no-rot" finish. SICO Burlap Strips to prevent the scorching of tree trunks.
- 1.2. **SICO Farm machinery – Made in China**
  - 1.2.1. Tractor range: 20HP, 25HP, 25-30HP, 35-40HP, 45-50HP, 55-60HP, 65HP, 70-75HP, 80HP, 85HP, 90-125HP
  - 1.2.2. Tractor range – series implements.
  - 1.3. Mosquito nets & netting: applied in agriculture, greenhouses etc. against insects. (Please ask datasheets.)

**Complete documentation/datasheets available upon simple request !**

**Please indicate the reference numbers used in this leaflet and the edition date (32th edition Mai 2019)**

(This is to avoid sending a lot of literature for products of no interest to you or your market)

## K) FRUIT TREES

Seeds for vegetables in cooperation with a major Belgian fruit trees nursery, we offer apple, pear & cherry trees etc. Our fruit tree nursery has an annual production of approximately 1,200,000 rootstocks and 800,000 fruit trees of which 70% apple trees, 20% pear trees and 10% cherry trees.

## L) PRIMO<sup>®</sup> SEEDS

Seeds for vegetables, flowers, grass. Please ask brochure or consult our website or send your detailed enquiries.

## M) SPECIALTY CHEMICALS FOR IMPROVING FERTILISER QUALITY

1. GA 2550, granulation aid for NPK fertilisers.
2. AN 1035, anticaking agent for NPK fertilisers.
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**

- 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.
- 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.
- 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.
- 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**

- 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.
- 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.
- 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.
- 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.
- 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.
- 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**

- 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.)
- 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.
- 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.
- 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 such 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.