



# SICOLEX Range

## Range of liquid specialties for nutrition and increasing plant defence mechanisms

01/2018

### 1/ PRODUCT DESCRIPTION & CHARACTERISTICS

- **Sicolex** : NPK 0-30-20 (w/w)
- **Sicolex Cu** : NPK 9.6-20.8-0 + 0.13 B + **4 Cu** + 0.12 Zn (w/w)
- **Sicolex N Top** : NPK **23.4**-5.2-0 + 0.03 B + **1 Cu** + 0.03 Zn (w/w)
- **Sicolex Zn** : NPK 4-28-0 + **8 Zn**

The **SICOLEX Range** is a special range of fertilizers that enhance the natural mechanisms of self-defence. The **SICOLEX Range** is a range of bio-stimulants that increase the natural resistance of plants against external pathogenic agents. **The presence of a particular form of phosphorus (phosphite) promotes the production of phytoalexins, which are natural self-defence agents useful against fungal disease** (*Phytophthora spp.*, *P. viticola*, *B. lactucae*, *Peronospora spp.*, *P. cubensis*)

The **SICOLEX Range** has high nutritional value for plants, containing different available elements. It improves vegetative development, overing, fruit setting and ripening, giving higher yields. It enhances the translocation of nutrients through the conducting vessels.

\* **SICOLEX** is a liquid fertilizer based on potassium phosphite. It is a general-purpose ratio suitable for all crops. It enhances the natural resistance of plants and increases blooming, fruit quality and the root system.

\* **SICOLEX Cu** is a liquid fertilizer containing copper phosphite. It contributes to enhancing crop health. In the form of phosphite, copper has a high biological activity. It is able to help control a wide range of diseases caused by fungi (*Phytophthora spp.*, *P. viticola*, *B. lactucae*, *Peronospora spp.*, *P. cubensis*) and bacteria as well (*Erwinia spp.*, *Pseudomonas spp.*, *Xanthomonas spp.*).

\* **SICOLEX N TOP** is a liquid fertilizer based on methylene urea nitrogen and copper phosphite. It is particularly suitable for field crops (cereals), enhancing harmonious vegetation and healthy growing.

\* **SICOLEX Zn** is a liquid fertilizer containing zinc phosphite. It prevents zinc deficiency. It enhances the natural resistance of plants and increases vegetation, blooming and fruit quality.

### 2/ PRODUCT ANALYSIS & SPECIFICATIONS

| PRODUCTS             | N Amm. |      | N Ureic |      | N Methyl-Urea |      | N tot.      |      | P2O5 |      | K2O |     | B    |      | Cu       |     | Zn       |       |
|----------------------|--------|------|---------|------|---------------|------|-------------|------|------|------|-----|-----|------|------|----------|-----|----------|-------|
|                      | w/w    | w/v  | w/w     | w/v  | w/w           | w/v  | w/w         | w/v  | w/w  | w/v  | w/w | w/v | w/w  | w/v  | w/w      | w/v | w/w      | w/v   |
| <b>SICOLEX</b>       | -      | -    | -       | -    | -             | -    | -           | -    | 30   | 42   | 20  | 28  | -    | -    | -        | -   | -        | -     |
| <b>SICOLEX Cu</b>    | 9.6    | 13.6 | -       | -    | -             | -    | 9.6         | 13.6 | 20.8 | 29.6 | -   | -   | 0.13 | 0.19 | <b>4</b> | 5.7 | 0.12*    | 0.17* |
| <b>SICOLEX N TOP</b> | 2.4    | 6.3  | 8.6     | 10.9 | 12.4          | 15.7 | <b>23.4</b> | 29.7 | 5.2  | 6.6  | -   | -   | 0.03 | 0.03 | 1        | 1.2 | 0.03*    | 0.03* |
| <b>SICOLEX Zn</b>    | -      | -    | 4       | 5.6  | -             | -    | 4           | 5.6  | 28   | 38   | -   | -   | -    | -    | -        | -   | <b>8</b> | 11    |

\* EDTA chelated

Specifications :

| PRODUCTS             | FORM   | DENSITY G/L | pH        | APPLICATION   |
|----------------------|--------|-------------|-----------|---------------|
| <b>SICOLEX</b>       | Liquid | 1400        | 4 – 5     | Foliar & drip |
| <b>SICOLEX Cu</b>    | Liquid | 1420        | 6 – 7     | Foliar & drip |
| <b>SICOLEX N TOP</b> | Liquid | 1270        | 8.5 – 9.5 | Foliar        |
| <b>SICOLEX Zn</b>    | Liquid | 1360        | < 1       | Foliar & drip |



**PRODUCT INFO  
& DATASHEET**

**3/ INSTRUCTIONS FOR USE**

**DOSES, WAY & TIME OF APPLICATION** (Doses are referred to each application)

| PRODUCTS                      | TYPE OF APPLICATION | CROPS   |                |                  |                        |
|-------------------------------|---------------------|---|----------------|------------------|------------------------|
|                               |                     | Fruit trees, grapes   | Vegetables     | Ornamental crops | Cereals and ind. crops |
| <b>SICOLEX / SICOLEX Zn</b>   | Foliar              | 2.5-5 lt/ha   | 2-4 lt/ha      | 2.5-5 lt/ha      | 1-3 lt/ha              |
|                               | Soil                | 1.5-2.5 l/1000 l  |                |                  |                        |
| <b>SICOLEX Cu</b>             | Foliar              | 80-100 ml/100 l   | 40-80 ml/100 l | 80-100 ml/100 l  | 1-2 lt/ha              |
|                               | Soil                | 0.5-1 lt/1000 l   |                |                  |                        |
| <b>SICOLEX N TOP</b>          | Foliar              | -   |                |                  | 3-5 lt/ha              |
| <b>TIMING OF APPLICATIONS</b> |                     | 2-4 applications every 8-12 days. On field crops apply in combo with pesticides |                |                  |                        |

**4/ NOTE & WARNING**

**SICOLEX Range** is compatible with normally used foliar fertilizers or soil fertigation.

Avoid mixing with highly alkaline compounds, mineral oils, sulphur, calcium, copper-based chemical compounds.

**5/ PACKING**

- 1) 1 lt bottle (carton 16 x 1 lt)
- 2) 6 lt can (carton 2 x 6lt)