



**SQM**

# *Ultimate efficacy with foliar solutions for major crops*



## **Speedfol**<sup>®</sup> *Foliar Certified Solutions* **Crop SP range**

Speedfol<sup>®</sup> Crop SP is a versatile range of crop specific formulas for foliar spray applications of nutrients to major crops, targeted to increase crop yield, improve quality and reduce income loss due to crop damage and losses.

Each Speedfol<sup>®</sup> Crop SP nutrient solution delivers crop specific and essential macro- and micronutrients in balanced proportions for optimal growth and grain or fruit development.

A distinctive feature is that all Speedfol<sup>®</sup> Crop SP formulas contain high levels of potassium, an essential nutrient for optimal plant growth, fruit weight and quality. Adequate potassium levels will increase the plant's resistance to diseases.

Speedfol<sup>®</sup> Crop SP foliar sprays lower the pH level of the spray solution in order to improve nutrient uptake via the leaf and stability of most plant protection products.

Speedfol<sup>®</sup> Crop SP formulas are most effective when soil or climate conditions limit the availability of nutrients for plant uptake or when the nutrient demand of the plant exceeds the availability of nutrients in the soil. To be applied only where there is a recognized need.

Contact your regional SQM office or local SQM distributor for more information.

SQM EUROPE N.V.  
Houtdok-Noordkaai 25a  
2030 Antwerpen, Belgium

Tel: +32 3 203 97 00  
E-mail: spn-emea@sqm.com

[sqmnutrition.com](http://sqmnutrition.com)



**Speedfol®** Foliar Certified Solutions **Oilseed SP**

10-14-40+TE

- Speedfol® Oilseed SP is designed for application on oilseed crops like sunflower, rapeseed, soybean, olive, mustard, flax, canola.
- Speedfol® Oilseed SP contains an elevated level of boron (B). Boron plays an essential role in pollination, fecundation, fruit initiation, fruit set and fruit retention. Potassium is essential for carbohydrate production and transport from the leaves to the seed and fruits, which translates into higher yield levels.
- Speedfol® Oilseed SP sprays are recommended to overcome specific nutrient deficiencies, which will ultimately lead to improved fruit set, yield and oil content of seeds and fruits.

**Speedfol®** Foliar Certified Solutions **Cotton SP**

15-5-31+TE

- Speedfol® Cotton SP contains elevated levels of K, Mg and B to maximize photosynthetic capacity, flower fertility, boll retention (less boll drop), boll weight and fiber quality (length uniformity, strength). In addition, adequate potassium levels result in stronger cell walls. Stronger plant cells are less susceptible to fungal disease attacks, like Stemphylium and Alternaria leaf spot.

**Speedfol®** Foliar Certified Solutions **Cereal SP**

13-6-39+TE

- Speedfol® Cereal SP can be applied for all types of cereals such as wheat, barley, corn, maize, triticale, oat, barley, sorghum, millet and rice.
- Adequate potassium levels build stronger plants, which are less susceptible to lodging, abiotic and biotic stress.
- Foliar application with Speedfol® Cereal SP is the perfect tool to boost grain yield and quality. Applications with Speedfol® Cereal SP revitalise crops during and after periods of stress such as unfavorable weather conditions.

**Speedfol®** Foliar Certified Solutions **Grape SP**

13-5-36+TE

- Speedfol® Grape SP has been developed for foliar spray applications on table grape.
- Iron and zinc deficiencies are common micronutrient disorders in grape, grown under alkaline conditions. Symptoms are shown as yellowing of plant leaves (chlorosis). To prevent these micronutrient deficiencies, Speedfol® Grape SP does contain elevated levels of both EDTA-chelated iron (Fe) and zinc (Zn) to maintain healthy leaf status for maximum photosynthesis, sugars production and vine productivity.
- Speedfol® Grape SP is targeted to boost both grape development and growth as to increase yield.

**Speedfol®** Foliar Certified Solutions **Pulses SP**

10-8-34+TE

- Speedfol® Pulses SP has been developed for foliar applications of nutrients on Leguminosae crops like beans, lentils and peas.
- Speedfol® Pulses SP contains an elevated level of Zn as zinc deficiency leads to reduced protein synthesis and consequently results in low crop yields. Adequate potassium levels in the plant will result in more pods per plant, more seeds per pod and greater individual seed weight.
- Scientific research on applications with Speedfol® Pulses SP on soybean, chick pea and pigeon pea has consistently shown to increase crop development and yield in a cost effective manner.

**Speedfol® Olive SP**

14-5-28+TE

- Speedfol® Olive SP has been developed for foliar applications of nutrients on olive trees from flowering until harvest.
- Speedfol® Olive SP contains an elevated level of boron (B). Boron plays an essential role in pollination, fecundation, fruit initiation, fruit set and fruit retention. Potassium is essential for carbohydrate production and transport from the leaves to the fruits, which translates into higher yield levels.
- Speedfol® Olive SP sprays are recommended to maintain the required nutrient levels in plant tissues in order to increase the number of larger-sized fruits per tree, oil content and pulp/pit ratio of olives.

**Speedfol® Citrus SP**

16-5-30+TE

- Speedfol® Citrus SP has been developed for foliar applications of nutrients on citrus crops, like oranges, grapefruit, lime and lemon.
- Speedfol® Citrus SP applications help to increase potassium levels in plant tissues. Research has shown that adequate potassium status of citrus crops will result in increased yield levels with a greater number of larger-sized fruits (more packed boxes), increased °Brix, total soluble solids (TSS), acidity and vitamin C levels, less peel defects (creasing), an increased peel thickness, reduced fruit granulation (hard, dry sacs) and a more intense fruit color.
- Speedfol® Citrus SP applications help to maintain optimum crop nutrient levels, which result in increased fruit retention, less flower and fruit drop. Improved plant nutrition, which includes sprays with nitrate nitrogen and potassium, has shown to help citrus plants reduce the negative effects of HLB (citrus greening), a vector transmitted bacterial disease, fatal to citrus.

**For crop specific recommendations, please visit our website.**

Speedfol® Formula	Cereal SP	Oilseed SP	Grape SP	Cotton SP	Pulses SP	Olive SP	Citrus SP
N	13,0	10,0	13,0	15,0	10,0	14,0	16,0
P <sub>2</sub> O <sub>5</sub>	6,0	14,0	5,0	5,0	8,0	5,0	5,0
K <sub>2</sub> O	39,0	40,0	36,0	31,0	34,0	28,0	30,0
MgO	0,6	0,1	2,3	3,2	2,1	2,0	2,6
SO <sub>3</sub>	5,6	2,8	6,9	6,7	13,4	9,5	5,5
B	0,020	0,200	0,050	0,500	0,205	2,058	0,020
Cu-EDTA	0,003	0,016	0,030	0,004	-	0,020	0,005
Fe-EDTA	0,100	0,200	0,200	0,102	0,160	0,041	0,051
Mn-EDTA	0,020	0,040	0,040	0,020	0,064	0,041	0,020
Mo	0,001	0,002	0,002	0,001	0,012	0,001	-
Zn-EDTA	0,025	0,050	0,050	0,010	0,222	0,021	0,020
Physical specifications							
Formula	13-6-39+TE	10-14-40+TE	13-5-36+TE	15-5-31+TE	10-8-34+TE	14-5-28+TE	16-5-30+TE
Colour	Green	Orange	Violet	White	White	Orange	White
Solubility (g/l)	300-350	300-350	300-350	500-550	500-550	300-350	300-350
pH (1% in demi water)*	3,2	3,6	3,4	3,6	3,2	3,6	3,7
EC (1 g/l at 25°C, in mS/cm)	1,18	1,04	1,18	1,07	1,30	0,95	1,26

\*Upon dissolution, pH levels in the spray tank solution below pH 4 should be avoided in order to avoid crop damage.



**DISCLAIMER**

All information is given to the best of SQM's knowledge and is believed to be accurate. Your conditions of use and application of the suggested products and recommendations are beyond our control. There is no warranty regarding the accuracy of any given data or statements. SQM specifically disclaims any responsibility or liability relating to the use of the suggested products and recommendations and shall under no circumstances whatsoever, be liable for any special, incidental or consequential damages which may arise from such use.

**SQM EUROPE N.V.**

Houtdok-Noordkaai 25a  
2030 Antwerpen, Belgium

Tel: +32 3 203 97 00  
E-mail: [spn-emea@sqm.com](mailto:spn-emea@sqm.com)

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