



**PRODUCT INFO
& DATASHEET**

NEW GENERATION BORON FORMULATIONS

SICOFLOW® BOR

*Calcium Borate fertiliser in suspension, 7% B + 12% CaO
Higher efficiency & regularity + safe and progressive diffusion.
EC FERTILISER*

revised 10/2020

1/ PRODUCT SPECIFICATIONS & CHARACTERISTICS

Total Calcium Oxide (CaO) : 12 % (173 g/l)	pH at 20 °C	: 7.3-8.3
Total Boron (B) : 7 % (101 g/l)	Type	: flow
Density : 1.44	Colour	: white*

*Colour differences may occur and do not affect the quality of the fertiliser.

2/ ADVANTAGES

2.1 Roles of Boron :

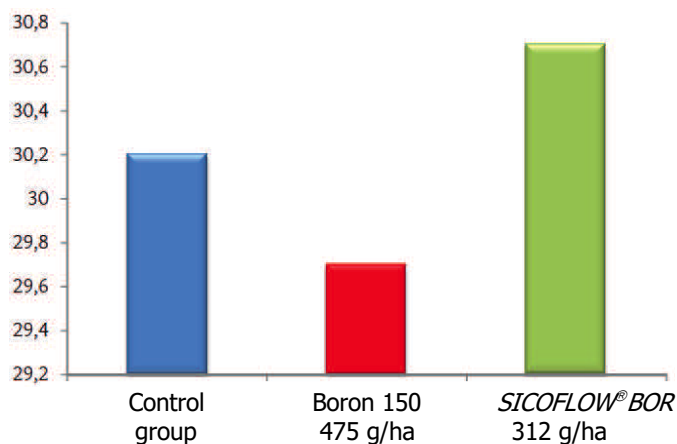
- Transformation of nitrate into amino acids : Boron creates more resistance of cells membranes.
- Synthesis of glucids & proteins : Boron is essential in the growth of cells & tissues.
- Better fertilisation : Boron is active in the formation of reproductive cells (pollen).

2.2 Natural absorption :

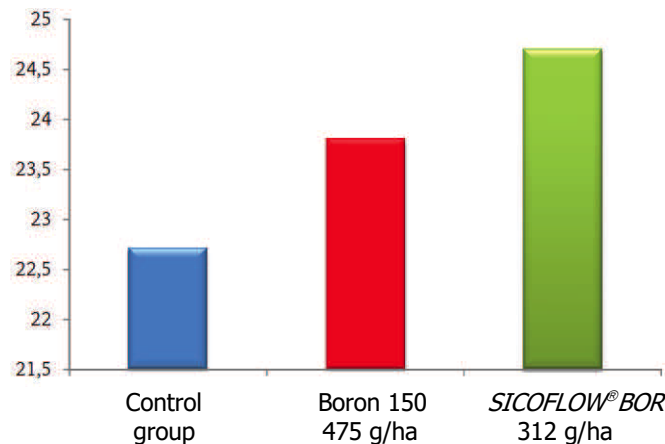
- Micronized particles naturally absorbed by the leaves : no stress for the plant during absorption
: no risk for farmers' health, nor nature, nor environment

2.3 Higher efficiency & regularity :

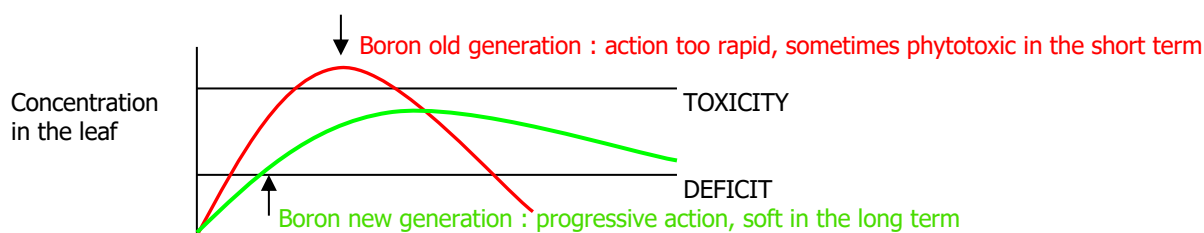
Trial Belgium 2010
Apple, variety 'Jongored'
Boron content in leaves (ppm) at 19/07/2010



Trial Belgium 2010
Pear, variety 'Conference'
Boron in leaves (ppm) at 19/07/2010



2.4 Soft & progressive diffusion :



Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose.
No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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SICO FERTILISERS
EVERY TIME THE RIGHT SOLUTION



3/ RECOMMENDED APPLICATION RATES & DOSAGES

Recommended throughout the fruit setting and development stages. It is a complementary source of Calcium and Boron for crops, which need large inputs of these nutrients. Promoting the quality of the fruits, preventing nutritional imbalances due to boron and calcium deficiency.

• ARABLE CROPS

Maize	: 2-3 L/ha at 4-5 leaf stage and at tasseling.
Potato	: 2-4 L/ha 30 days after planting and 30-40 days after.
Oilseed rape	: 1-2 L/ha at 5 leaf stage and 2-4 L/ha at beginning stem elongation to onset of flowering stage.
Sugar beet	: 1.5-3 L/ha from 6-8 leaf stage and fully-grown rows.
Sunflower	: 3 L/ha from 4-5 leaf pairs.
Wheat	: 2.5 L/ha at flag leaf (only when < 1.2 mg B/kg soil).
Soybean	: 3 L/ha at stage 8-10 cm.
Alfalfa	: 1-3 L/ha after each cutting.
Cotton	: 2-3 L/ha before forming of flower bud and < 4 applications at intervals of 15 days.

• ORCHARDS

Orchards	: 1-2 L/ha at flower coaching and setting.
Seedlings	: 2-3 L/ha, 10 days after emergence or after leaf unfolding, then every 5-30 days.
Roses	: 0.8-1.7 L/ha pre-flowering.
Carnation	: 2 L/ha pre-flowering at 40, 60 and 80 days after germination.
Marigold	: 1 L/ha at blossom and at opening of flowers.

• PERENNIALS AND FRUIT TREES

Citrus, avocado, mango	: 4-5 L/ha, pre-flowering, after fall of petals, during fruit forming, and later every 15-30 days if necessary.
Pineapple, papaya	: 2-3 L/ha 30 days after planting and in 15-30 days intervals before flower induction.
Banana, plantain	: 4-5 L/ha, 2-4 applications every 20-30 days.
Stone and pome fruits	: 4-5 L/ha after leaf opening, after flowering, at fruit sizing, later intervals of 15-30 days if necessary.
Vine and grapes	: 1-2 L/ha after leaf opening, before flowering, after flowering.
Olive trees	: 2 L/ha before flowering.

• VEGETABLES

Tomato, bell pepper, eggplant, okra, melon, cucumber	: 2-3 L/ha 30 days after emergence or during opening of flower buds, every 15 days or after each harvest.
Beet	: 3-5 L/ha, at 6-8 stage.
Asparagus	: 2 L/ha, 4 applications during vegetative growth.
Strawberry	: 2 L/ha before flowering.
Celery	: 3 L/ha, 40 days transplant.
Cabbage, broccoli, cauliflower, spinach	: 2-3 L/ha, 20-40 days after transplant and at 10-15 days intervals.

Or any other crop, use in case of real need. For any further detail, please contact your advisor. SICO does not take responsibility for wrong application. Please revise your local regulation or get advice from your local agronomic advisory service.

4/ BENEFITS

- Ensures a fast and longtime absorption of nutrients without damaging the crop, because of the suspension of micronized particles of calcium borate.
- Highly efficient product due to its homogenous, stable formulation.
- Synergistic effect as a result of the simultaneous application of Boron and Calcium.
- The combination of Boron with Calcium gives more resistance to abiotic stress by improving the cell membrane structure.
- Support the synthesis of glucosides, proteins and the growth of cells and tissues as a result of boron and calcium synergisms.

Warning : Fertiliser containing micro-nutrients. To be used only where there is a recognised need. Do not exceed the appropriate dose rates.



5/ INSTRUCTIONS FOR USE & STORAGE



TANK MIXES
10 steps for a perfect Tank Mix result



6/ PACKINGS

- 10 lt cans, 500 lt per pallet, 20 pallets = 10,000 lt/20' container.
- 200 lt drums x 4 per pallet, 10 pallets = 8,000 lt/20' container.
- 1000 lt IBC, 10,000 lt/20' container.