



SICOBOR DF 18B GRANULAR

*Micro granular Sodium Pentaborate Decahydrate min. 18% B
100% water soluble for foliar use or on soil application*

1/ PRODUCT SPECIFICATIONS

APPEARANCE

White crystal

CHEMICAL ANALYSIS

	<u>Guaranteed Values</u>	<u>Typical Values</u>
Boric Oxide B ₂ O ₃		58.45 %
Sodium Oxide Na ₂ O		10.54 %
Water (H ₂ O by difference)		31.01 %
Boron B	18% min.	

BULK DENSITY

kg/dm ³	0.85 – 0.89
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TYPICAL MESH ANALYSIS

<u>Micron</u>	<u>% Retained</u>	<u>% Cumulative</u>
300	38.54	38.54
180	27.04	65.62
150	12.24	77.86
90	16.04	93.90
> 90	6.10	100.00

DISSOLUTION RATE

08.25 g at 10° C	in 100 ml H ₂ O
13.68 g at 20° C	in 100 ml H ₂ O
19.78 g at 30° C	in 100 ml H ₂ O
25.04 g at 40° C	in 100 ml H ₂ O

TYPICAL pH AT 25° C

<u>g SICOBOR DF 18B</u>	<u>g H₂O</u>	<u>pH</u>
0.11	99.5	8.7
1.00	99.0	8.6
2.00	98.0	8.4
2.50	97.5	8.3
5.00	95.0	8.2
7.50	92.5	7.7
10.0	90.0	7.5
15.0	85.0	7.0



2/ ADVANTAGES

Micro-granular soluble boron

Micro-granular easily to use avoiding dispersion of dust in the air.

Environmentally friendly

No dust and no jugs.

High boron concentration

The product has in proportion higher boron concentration than Sicobor 21% B and than liquid boron 10% B.

Highly soluble

100% water soluble and rapidly soluble by agitation.

It is compatible with most agrochemicals and fertilisers.

3/ APPLICATIONS

SICOBOR DF 18B dissolved in water can be applied either to the soil or to the leaves.

Application rates

	<u>Dosage on soil</u> <u>kg/ha</u>	<u>Dosage on crop</u> <u>kg/ha</u>
Sugarbeet	12 – 18	12
Oilseed Rape & Brassicas	6 – 12	12
Sunflower	12	6
Vegetables	12	3
Maize	5	2.5
Root Crops	12	12
Top and Soft Fruit	12	4 x 2
Grapes & Flowers	12	4 x 2

4/ RECOMMENDATIONS & PRECAUTIONS

- Be sure to maintain the indicated dosages for correct use! Also in case of repeated sprays over field cultures the total amount of SICOBOR DF 18B must be not exceeded, as **high quantity of boron may compromise the crop rotation**.
- Do not apply more than 24 kg/ha of SICOBOR DF 18B per year.
- Pay attention to soil test values. We advise you to consult your local agricultural authority in order to test the soil.
- **SICOBOR DF 18B is only to be used where there is a recognised need!**

5/ PACKING

- Kg 15 / 25 PP bags on pallets