QB-21 FOLIAR POWDER

(21.0% B)

Material Specification Sheet

CHEMICAL FORMULA: $Na_2B_8O_{13} \bullet 4H_2O$

Color:	White
Physical Form:	Dry-Flowable
Bulk Density:	30-35 lbs/ft^3
pH:	7.4% (10% solution)
Boron:	21.00 %
Na_2O:	15.2%

Disodium Octaborate Tetrahydrate:	98%
Inert Ingredients:	2%

SOLUBILITY:
At normal temperatures, 20°C, 68°F, a one pound/gallon solution of QB-21, should be stable for three months. (Water hardness and cold overnight spikes in temperature may affect the clarity of the solution.

Solution Math:
A one lb. of QB-21 in one gallon of solution is not exactly the same as a one lb. QB-21 plus 1 gallon of water solution.

The one lb. of QB-21 in one gallon of solution contains 1 lb. of QB-21 plus 7.84 lbs. of water (0.94 gal of water). The QB-21 takes up some room – 0.06 gallons.)

A one lb. of QB-21 in one gallon of solution weighs 8.84 lbs. and has a specific gravity of 1.06. One gallon of water weighs 8.34 lbs.

The one lb. QB-21 in one gallon of solution has 11.3% QB-21, or 2.38% Boron.

The one lb. QB-21 in one gallon of solution contains 0.21 lbs. of Boron in each gallon (0.0238 x 8.84 gal).

A one lb. QB-21 plus 1 gallon of water solution has 0.20 lbs. of Boron in one gallon of solution, 5% lower. Specific gravity is 1.056 (8.81 lbs./gallon). Boron content is 2.25%. Solution is 10.7% QB-21. (1 lb. QB-21 / (1 lb. + 8.34 lb.) = .107)

APPLICATIONS
QB-21 is an ideal dry-flowable boron source for foliar applications. It is 100% soluble, even in cold water applications. It also can be used as a raw material in the manufacture of various boron liquids. Boron is an essential micronutrient to control flowering, pollen production, germination & seed and fruit development. For more information, please call 866-BORATES.

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