5 MINUTE GUIDE: BREAKING DOWN COTTON



As the leaf BRIX increases, your cotton plant will be healthier, resistant to disease and can produce the cellulose needed for high cotton production

Poor soil health, low biological activity, poor water quality and over application of salty chemicals can lower the carbon in your soil, leaf BRIX, cellulose production and yield

Your leaf BRIX should be highest 20-30 days after flowering

95-97% of cotton is pure cellulose

Cellulose (C₆H₁₀O₅) is comprised of:

44.44% Carbon

6.17% Hydrogen

49.39% Oxygen

The main building block

Tof cellulose is sucrose or SUGAR $(C_6H_{12}O_6)$

Increasing the sugar content of the plant can increase the cellulose content and yield

BRIX is a direct measurement of the sugar content and an indirect measurement of cellulose



WHO IS BUILDING YOUR SOIL'S CARBON?