1899 Different internodes length as criteria for determine the timing of application of plant growth regulators for ultra narrow-row cotton

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Ultra narrow row production system requires a suitable growth management of the cotton plant, since an excess of vegetative growth can affect the final potential yield. The use of growth regulators is a technical option for cotton growth management. The objective of this study was to determine modifications in yield of cotton in ultra narrow row system production (0, 38 m) as result of the use of growth regulators, applying as criteria the internodes length differences.
Treatments were different times of growth regulator application based on the mean internode lengths of 3.5; 4.0, and 4.5 cm, estimated by the relationship between plant height and node number main stem. The growth regulator is clorocoline chloride 75%. The highest yields were observed when growth regulators was applied with average internodes length of 4.0 cm, because of great modifications in the yield components, such as boll number and boll weight.
The results of this experiment allow to obtain a farmers recommendation for the growth management for optimize the yields in ultra narrow row cotton system .