

WORLD COTTON RESEARCH CONFERENCE-3



COTTON PRODUCTION FOR THE NEW MILLENNIUM



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Cape Town, South Africa, 9-13 March 2003

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Limits of measuring short fiber content by high volume instrument

J.P. Gourlot, M. Giner, C. Brunissen, P. Francalanci, S. Lassus, J.C. Nieweadomsky and M. Vialle

Cotton Technology Laboratory, Cotton Program, CIRAD, Montpellier FRANCE

Correspondence author jean-paul.gourlot@cirad.fr

ABSTRACT

Many attempts are currently ongoing to measure or estimate the short fiber content in raw cotton by High Volume Instrument (HVI). Up to now, a fiber is considered "short" if its length is lower than 12.7 mm, even if it is not proven that this is the most

efficient number to be taken into consideration for this categorization. We used different tools allowing a comparison between results from AFIS and HVI distributions for different types of materials and cottons. Our conclusions could highlight a technical limit in the HVI technology for measuring that criteria on actual HVI.