ITMF-ICCTM Stickiness task force

Results of the 2017 international round-test of stickiness measuring methods (HarCoStiC)





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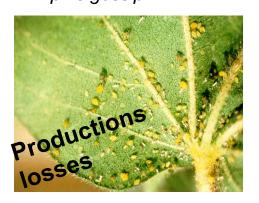


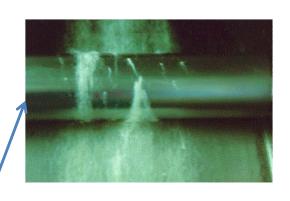


Stickiness in spinning mill due to entomological sugars

These sugars or honeydew are mainly produced by *Aphis* and *Bemisia, ...* but new insects are coming (mealybug, ..., due to resistance, GMO...)

Aphis gossipii Honeydew on open boll





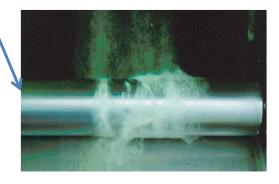
Bemisia tabaci



Honeydew in fibers



Problems (Productivity, quality 2



=> Need for reliable characterization (method, <u>reference material</u>, predictive of problems in spinning...)



Mandates



Two of the mandates of the ICCTM are:

[.../...] "to harmonize cotton testing results by means of:

- a. proposition and support for the international standardization of test methods
- · b. development of guidelines for testing
- c. technical evaluations using world-wide round tests.

and to discuss the problems related to testing of cotton fiber properties and their relations to cotton processing." [.../...]



Objectives of ICCTM: past results (1/3)

Reminder

- To check the ability of each measuring technique to reproduce itself within a same single laboratory
- To check the ability of each measuring technique to reproduce itself between several laboratories
- To give some indications about the ability of various measuring techniques to correlate to each others

One RT conducted in 2013-2014 =>report 2014 and 2016 (instruments vs micro-spinning)

- → need harmonization
- → need creation of reference materials



Objectives of ICCTM: past results (2/3)

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- → need creation of reference materials
- proposed project

Reminder



Production of seed-cotton 3 pests (whiteflies, Aphids, mealybug) • 3 levels of contamination each Stabilize production conditions over time

Potential reference materials

<u>Characterizations</u> (Stickiness, spinning, physical-chemistry)



