

STATISTICS COMMITTEE

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A Rules development

A.1 Introduction of new methods

	TCOM	Method name/Subject	Finalization	Collaboration
1	STA	Help available upon request from other committees on test planning and statistical analyses. Comment: in 2009, 3 validation reports and 5 test plans were reviewed by the Statistics Committee. Some of the validation reports involved specific analyses performed by the Statistics Committee.	Ongoing	Any committee

A.3 Introduction of Rules Changes

	TCOM	Subject	Finalization	Collaboration
1	STA	Help available upon request from other committees. In particular this year, work has been done around the revision of the germination tolerance tables (see section F.3.).	Ongoing	Any committee

B Publications

B.1 Publications to accompany Rules

	COM	Publication title	Finalization	Collaboration
1	STA	Discussion paper: ISTA validation studies: a proposal on a modern and unified statistical approach to their analysis	May 2009	
2	STA	Statistical analysis reports (6 in 2009).	Ongoing	Any committee

B.2 Training publications on specific seed testing topics

	COM	Publication title	Finalization	Collaboration
1	STA	Materials for the 8th ISTA Seminar on Statistics in Seed Testing (CD).	April 2009	

B.3 Scientific information publications

	COM	Publication title	Finalization	Collaboration
1	STA	Presentation given at the Eurofins International Seminar 2009: Seedcalc, a statistical tool for designing testing plans in seed testing.	February 2009	GMO TF

C Workshops and seminars**C.2 Seminars**

	COM	Subject	Date	Region
1	STA	8th ISTA Seminar on Statistics in Seed Testing.	April 2009	Aussonne, France
2	STA	Biotechnology Trait Detection Workshop. Organized by Institute for Seed and Seedlings, Osijek, Croatia, conducted by ISTA, sponsored by FAO	May 2009	Osijek, Croatia

D Proficiency tests

	Subject	Date	Collaboration
1	GM PT: PT11 and PT12 quantitative rating. Updated the S-PLUS program computing the quantitative ratings.	Ongoing	GMO TF

E Questions to the Committee

	Subject	Date	From (Country)
1	Many questions received in 2009 regarding sample size and data analysis.	Ongoing	

F Special projects

	COM	Project name/subject	Finalization	Collaboration
1	STA	On-going work on stack assessment, in particular regarding the interface between R and Excel and the choice of an appropriate algorithm for maximum likelihood computations.	June 2010	GMO TF

	COM	Project name/subject	Finalization	Collaboration
2	STA	Development of an Excel spreadsheet giving the probability of k positive samples of m seeds out of n ($k = 0, 1, \dots, n$) given a true contamination rate of π . This spreadsheet has been used for the analysis of a bacteriology PT and could be useful for SH validation studies analysis.	September 2009	SH
3	STA	Development of an Excel spreadsheet (alpha version) computing Miles tolerance tables for germination for any types of sample size. The work on this project lead to a full understanding of the details of the computation of Miles germination tolerance tables.	April 2010	GER