

Seed Testing



Foundation

1869 Tharandt Germany

Important Items

1875 Graz / Austria

1888 German Seed Testing Association

1898 Technical procedures for seed testing in Germany

1906 Hamburg/Germany 1. Internat. Seed Test. Congress

1908 Association of Official Seed Analysts AOSA

1910 Münster /Wageningen 2. Intern. Seed Test. Congress

1921 Copenhagen: European Seed Testing Association

1924 Cambridge: International Seed Testing Association

1950 Washington DC / United States of America

1992 Buenos Aires / Argentina

2001 Angers / France 26th ISTA Congress

2007 Iguacu / Brasilien 28 th ISTA Congress

Prof. Dr. Friedrich Nobbe



International Seed Testing Association

Report of the GMO Task Force Activity 2005 - 2006

ISTA GMO TF
Chair Norbert Leist



ISTA Position Paper 2001

„ISTA will focus its activity on developing a system targeting the uniformity in GMO testing results, not only by the uniformity in GMO testing methodology, but by a performance based approach.“

„In the performance based approach, the laboratories have to demonstrate that the GMO detection, identification or quantification methods used for reporting results on the ISTA International Seed Lot Certificate fulfill requirements concerning **repeatability and reproducibility.“**



Organisation of the ISTA GMO Task Force

- **Strategy Working Group** **Norbert Leist**
- **Rules Chapter Working Group** **Michael Kruse**
- **Proficiency Test Working Group** **Bettina Kahlert**
- **Exchange of Information Working Group** **Enrico Noli**
- **ECOM – Accreditation Working Group** **Joel Lechappe**



Proficiency Tests

Date	Species	Sample preparation
03.06.2002	<i>Zea mays</i>	ISTA Secretariat
28.02.2003	<i>Zea mays</i>	University Hohenheim
22.12.2003	<i>Zea mays</i>	ISTA Secretariat
26.10.2004	<i>Glycine max</i>	ISTA Station Karlsruhe
12.05.2005	<i>Glycine max</i>	ISTA Station Karlsruhe
06.12.2005	<i>Brassica napus</i>	ISTA Station Karlsruhe
14.06.2006	<i>Zea mays</i>	ISTA Station Karlsruhe

The main problem is to get the GM-seeds!



Activities

- **Introduction of the performance based approach in the ISTA Rules Chapter 8, which is valid since February 2006**
- **Development of the accreditation documents:**
 - **“Principles and conditions for Laboratory Accreditation under the Performance Based Approach “**
 - **“Performance data evaluation for the presence of seed with specified traits in seed lots”**
 - **“Performance data for specified trait purity”**
- **Establishment for an evaluation system for proficiency tests**
- **Execution of two rounds in the GMO Proficiency Test per year**
- **Establishment of the ISTA information platform on the website**
- **Workshops and Seminars, Turkey, USA**



The work of the GMO Task Force is done in close cooperation with the

- **Statistics Committee**
- **Variety Committee**
- **Rules Committee**
- **Executive Committee and the ISTA Secretariat**

**Their highly active and engaged work in this field brought ISTA
straight forward even in this new challenging area of seed testing.**

Thanks to all of you!



Timetable

27.06.2006 Zürich

1. The ISTA Proficiency Test:

- Results of the proficiency test round 2005
Overall summary regarding all rounds

Bettina Kahlert

- Evaluation of the performance of the laboratories in the
proficiency tests

Sylvain Grégoire, Christoph Haldemann

time: 08:40 – 09:30



Timetable

27.06.2006 Zürich

2. The ISTA Accreditation for testing for the presence of specified traits

- Principles and conditions for laboratory accreditation under the performance based approach
- Participation in the ISTA proficiency tests to become accredited
Marks needed for continuing the accreditation process
- The audit process and the audit procedure for specified trait testing
- Performance data and their presentation for the methods to be accepted as performance approved methods

Gerhard Schuon

Sylvain Grégoire

time 10:00 – 10:45



Timetable

27.06.2006 Zürich

3. The ISTA information platform

- **Information to be found on the ISTA platform**
- **Effective use of the information on the platform**

Christoph Haldemann, Enrico Noli

time: 10:45 – 11:00



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Thank you for your attention!