



BMT/12/1 Rev.

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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS
GENEVA

**WORKING GROUP ON BIOCHEMICAL AND MOLECULAR
TECHNIQUES AND DNA PROFILING IN PARTICULAR**

Twelfth Session
Ottawa, Canada, May 11 to 13, 2010

REVISED DRAFT AGENDA

prepared by the Office of the Union

1. Opening of the session
2. Adoption of the agenda
3. Reports on developments in UPOV concerning biochemical and molecular techniques (documents BMT/12/2 and BMT/DUS Draft 3)
4. Reports on the work of the *Ad Hoc* Crop Subgroups on Molecular Techniques (Crop Subgroups) (oral reports by the Chairpersons of the Crop Subgroups)
5. Short presentations on new developments in biochemical and molecular techniques by DUS experts, biochemical and molecular specialists, plant breeders and relevant international organizations (oral reports by participants)

*The Use of Molecular Methods for Determining Distinctness Within U.S. PVP
(document BMT/12/17)*

6. Report of work on molecular techniques on a crop-by-crop basis (papers invited)

(a) vegetatively propagated crops

Evaluation of Simple Sequence Repeat (SSR) Markers on the Canadian Reference Potato DNA Collection (document BMT/12/10)

(b) self-pollinated crops

Functional SNP Markers for the Vernalization Requirement in Barely: An Option 1 Approach (document BMT/12/5)

Demonstration of Significant Process Towards an Option 1 Approach in Barley (document BMT/12/13)

The Use of Molecular Techniques for the Management of Soybean Reference Collections (document BMT/12/18)

Combining Phenotypic and Molecular Distances in the Management of Reference Collections: Application to Spring Barley (document BMT/12/19)

(c) cross-pollinated crops

7. International guidelines on molecular methodologies (document BMT/12/3)

Development of an ISTA DNA-based Approach for Testing Variety Identity (document BMT/12/16)

Horizontal Biomarker Analysis: ISO/TC 34/SC 16 (document BMT/12/20)

8. Variety description databases (document BMT/12/4)

9. Methods for analysis of molecular data

10.* The use of molecular techniques in examining essential derivation

Standards for Helping to Determine EDV Status in Maize (Zea Mays L.) using SSRs and Future Prospects Using SNPs (document BMT/12/14)

EDV - The ISF approach (document BMT/12/22)

* to be discussed on Tuesday, May 11, 2010

11.* The use of molecular techniques in variety identification

*Project of Preserving Specimens and DNA of Protected Varieties in Japan
(document BMT/12/6)*

*The Use of Temperature Switch PCR for SNP Genotyping in Barley
(document BMT/12/7)*

*An Overview of DNA-Based Variety Identification at the Canadian Grain
Commission (document BMT/12/8)*

*Application of SSR and SNP in Maize Variety Identification and Database
Construction (document BMT/12/9)*

*Evaluation of Simple Sequence Repeat (SSR) Markers for Identification of Peas
Varieties Registered in Canada (document BMT/12/11)*

*Application of Amplified Fragment Length Polymorphism (AFLP) Based
Genotyping for Variety Identification of *Berberis Thunbergii* (DC) (Japanese
Barberry) in a Regulatory Diagnostic Laboratory (document BMT/12/12)*

*Varietal Identification in Maize: Are Sixteen SNP Markers Sufficient?
(document BMT/12/15)*

*Use of a molecular marker-based system for identification of varieties in Brazil:
Soybean and Rice (document BMT/12/21)*

12. Recommendations on the establishment of new crop specific subgroups

13. Date and place of next session

14. Future program

15. Report of the session (if time permits)

16. Closing of the session

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