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UPOV

INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS

GENEVA

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

Thirteenth Session
Brasilia, November 22 to 24, 2011

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/13/2 and UPOV/INF/18/1)*

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 *(document BMT/13/30, document BMT/13/31 and oral reports by participants)*

6. Report of work on molecular techniques on a crop-by-crop basis

    (a) vegetatively propagated crops

Combining morphological and molecular distance in the management of the reference collection of potato (document BMT/13/10)

Management of peach tree reference collections (document BMT/13/11)

The use of molecular techniques for plant variety protection – Approved position of CIOPORA (document BMT/13/18) [*]

(b) self-pollinated crops

Demonstration of significant progress towards an Option 1 approach in Barley (document BMT/13/5)

A Potential UPOV Option 2 approach for barley using high density SNP genotyping (document BMT/13/6)

The use of molecular markers for the lettuce species (document BMT/13/12)

Microsatellite molecular markers in the evaluation of soybean seeds with variation in hilum color (document BMT/13/15)

Organization of soybean official DUS trials in Brazil based on the use of molecular markers (document BMT/13/26)

Use of DNA as reference samples of protected varieties in Brazil (document BMT/13/28)

(c) cross-pollinated crops

Using SSR markers for authentication of seed stocks in winter oilseed rape (WOSR) (document BMT/13/7)

Evaluation of a germplasm collection of Brachiaria humidicola *using microsatellites, morphological markers, cytogenetics and geographical origin (document BMT/13/16)*

7. International guidelines on molecular methodologies

International guidelines on molecular methodologies (document BMT/13/3)

8. Variety Description Databases

Variety description databases (document BMT/13/4)

GEMMA: A technical web site to share DUS data (document BMT/13/17)

Construction of a molecular database for soybean variety identification in Brazil (document BMT/13/24)

9. Methods for analysis of molecular data

BioNumerics: a universal platform for databasing and analysis of biological data (document BMT/13/31)

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

Use of molecular markers for infringement detection in hybrid crops (document BMT/13/19)

Molecular markers used to distinguish essentially derived varieties obtained by repeated backcrossing (document BMT/13/20)

11.* The use of molecular techniques in variety identification

Development of functional markers associated with phenotypic traits for identification of rice varieties (document BMT/13/8)

Development of functional markers associated with phenotypic traits for varietal identification in soybean (document BMT/13/9)

SSR markers in Brazilian soybean (document BMT/13/13)

SSR markers in Brazilian wheat (document BMT/13/14)

The use of molecular techniques in variety verification of Rosa *L. varieties (document BMT/13/21)*

An overview of DNA-based methods for variety identification at INRAN-ENSE (Italian Seed Testing Agency) (document BMT/13/22)

The probability of random identity: a method for molecular data analysis in variety characterization (document BMT/13/23)

Use of molecular markers to identify soybean varieties: the experience of a public soybean breeding program (document BMT/13/25)

Use of molecular marker to identify sugarcane varieties (document BMT/13/27)

Surveillance: three approaches to using SNPs (Single Nucleotide Polymorphism) to identify variety (inbred line) usage (document BMT/13/29)

Developments concerning the variety tracer procedure (document BMT/13/32)

* to be discussed on Tuesday, November 22, 2011

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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