UPOV

International Union for the Protection of New Varieties of Plants

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Working Group on Biochemical and Molecular Techniques and DNA-Profiling in Particular

BMT/17/1 Rev.2

Seventeenth Session
Montevideo, Uruguay, September 10 to 13, 2018

Original: English
Date: September 7, 2018

REVISED DRAFT AGENDA

prepared by the Office the Union

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1. Opening of the session

2. Adoption of the agenda

3. Preparatory information (document BMT/17/4)

4. Report on developments in UPOV concerning biochemical and molecular techniques (document BMT/17/2)

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 and documents BMT/17/23 and BMT/17/24)

6. Report of work on molecular techniques in relation to DUS examination

   (a) Test of the potential use of SNPs markers on oilseed rape varieties (document BMT/17/8)

   (b) Use of Molecular Marker Techniques in DUS Testing and Enforcement of Breeder's Right in the Republic of Korea (document BMT/17/14)

   (c) Do resistance markers for tomato fulfil the requirements of TGP/15? (document BMT/17/21)

   (d) Use of SNP markers for soybean variety protection purposes in Argentina (document BMT/17/22)

   (e) The United States Molecular Marker Working Group: Background for the use of DNA markers in DUS (document BMT/17/17)

   (f) Use of DNA-Based Markers in Testing for Distinctness, Uniformity and Stability (DUS) and Enforcement of Plant Breeders Rights (PBR) (document BMT/17/20)

7. Revision of document TGP/15 "Guidance on the Use of Biochemical and Molecular Markers in the Examination of Distinctness, Uniformity and Stability (DUS)" (documents BMT/17/7 and TGP/15/2 Draft 1)

8. Cooperation between international organizations (document BMT/17/3)

   - DNA-based methods for variety testing: ISTA approach (document BMT/17/6)

9. Variety description databases including databases containing molecular data

(a) Construction of a European Potato database with varieties of common knowledge and its implementation in the potato DUS testing system
- Part I: Construction, maintenance and use of the common database (document BMT/17/11)
- Part II: Generation of molecular data (document BMT/17/12)

(b) A DNA database for Rose: Development and validation of a SNP marker set (document BMT/17/15)

10. Review of document UPOV/INF/17 “Guidelines for DNA-Profiling: Molecular Marker Selection and Database Construction (‘BMT Guidelines’)” (documents BMT/17/10 and UPOV/INF/17/2 Draft 1)

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

- Do new breeding techniques lead to Essentially Derived Varieties? (document BMT/17/9)

12. The use of molecular techniques in variety identification*

(a) Implementation of SNP markers to identify soybean varieties commercialized in Uruguay (document BMT/17/13)

(b) Corn Hybrid parental identification: The Use of Hybrid Monomorphic Profile compared to Pericarp Genotyping (document BMT/17/16)

(c) Variety identification in soybeans using SNPs (document BMT/17/18)

(d) Presentation of a set of 11 SNPs capable of discriminating 80 soybean varieties from a reference collection (document BMT/17/19)

13. Session to facilitate cooperation (document BMT/17/5)

14. Date and place of next session

15. Future program

16. Report of the session (if time permits)

17. Closing of the session

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* Breeders’ Day: September 12, 2018.