

Technical Working Party on Testing Methods and Techniques

TWM/1/1 Rev.2

First Session

Virtual meeting, September 19 to 23, 2022

Original: English

Date: September 19, 2022

REVISED DRAFT AGENDA

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1. Opening of the Session
2. Adoption of the agenda (document TWM/1/1 Rev.2)
3. Developments in plant variety protection:
 - (a) Reports from members and observers (TWM/1/3)
 - (b) Report on developments within UPOV (TWM/1/2)
4. Guidance and cooperation
 - (a) Development of guidance and information materials (document TWP/6/1)
 - (b) Increasing participation in the work of the TC and the TWPs (document TWP/6/12)
 - (c) Cooperation in examination (document TWP/6/9)
 - (d) Information and databases
 - UPOV PRISMA (document TWP/6/3)
 - UPOV information databases (document TWP/6/4)
 - Variety description databases including databases containing molecular data (document TWP/6/2)
 - Variety denominations (document TWP/6/6)
5. Software and statistical analysis methods for DUS examination
 - (a) Statistical tools and methods for DUS examination
 - The Combined Over Years Uniformity Criterion (COYU) (document TWP/6/11)
 - Developments on the improved COYU method (splines) (TWM/1/8 and TWM/1/8 Add.)
 - Combined-over-year uniformity (COYU) criterion: Extrapolation (TWM/1/7 and TWM/1/7 Add.)
 - (b) Exchange and use of software and equipment (document TWP/6/5)
 - Development of Statistical Analysis Software: DUSCEL (TWM/1/10)
 - PATHOSTAT application (TWM/1/11)

6. Phenotyping and image analysis
 - Image Analysis in Plant Variety Testing (TWM/1/4)
 - Color Imaging Analysis System (TWM/1/5)
 - DUS characteristics image processor (TWM/1/6)
 - UAV potential in DUS testing (TWM/1/20)
 - Machine Learning InnoVar project (TWM/1/25)
7. Developments in molecular techniques and bioinformatics
 - (a) Latest developments in molecular techniques and bioinformatics
 - (b) Cooperation between international organizations (document TWP/6/7)
 - ISTA report on the use of molecular techniques (TWM/1/23)
 - Latest developments in the application of BMT under the OECD Seed Schemes (TWM/1/24)
 - (c) Report of work on molecular techniques in relation to DUS examination
 - Update on IMODDUS activities (TWM/1/14)
 - (d) Methods for analysis of molecular data, management of databases and exchange of data and material
 - Application of molecular markers in DUS testing of new varieties of Chinese cabbage (TWM/1/9)
 - DURDUStools: Development of a common online molecular database and a genetic distance calculation tool for durum wheat (TWM/1/12)
 - Development of a SNP marker set in Cannabis to support DUS testing (TWM/1/17)
 - International harmonisation and validation of a SNP set for the management of tomato reference collection (TWM/1/18)
 - Cotton genotyping using the TAMU 63KSNPsArray (TWM/1/13)
 - The US PVPO Soybean molecular marker method (TWM/1/16)
 - (e) Confidentiality, ownership and access to molecular data, including model agreement template¹ (TWM/1/22)
 - (f) The use of molecular techniques in examining essential derivation¹
 - (g) The use of molecular techniques in variety identification¹
 - Variety identification: soybean case in Argentina (TWM/1/15)
 - Digital PCR for Genotype Quantification: A Case Study in a Pasta Production Chain (TWM/1/21)
 - (h) The use of molecular techniques for enforcement¹
 - Variety Tracer: Fraudulent use of parental lines (TWM/1/19)
 - (i) Session to facilitate cooperation
8. Date and place of the next session
9. Future program
10. Adoption of the Report on the session (if time permits)
11. Closing of the session

[End of document]

¹ "Breeders day" September 22, 2022