#### Technical Working Party on Testing Methods and Techniques

TWM/3/26

Third Session Beijing, China, April 28 to May 1, 2025 Original: English Date: April 30, 2025

# OECD SEED SCHEMES: LATEST DEVELOPMENTS IN THE APPLICATION OF BMT UNDER THE OECD SEED SCHEMES

Document prepared by an expert from the Organisation for Economic Co-operation and Development (OECD)

Disclaimer: this document does not represent UPOV policies or guidance

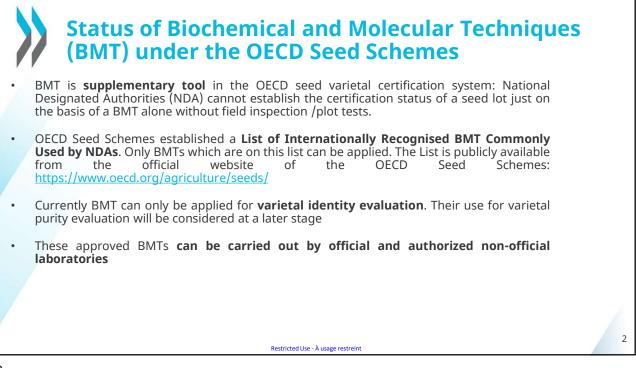
The annex to this document contains a copy of a presentation "OECD Seed Schemes: Latest developments in the application of BMT under the OECD Seed Schemes", made by an expert from the Organisation for Economic Co-operation and Development (OECD), at the third session of the Technical Working Party on Testing Methods and Techniques (TWM).

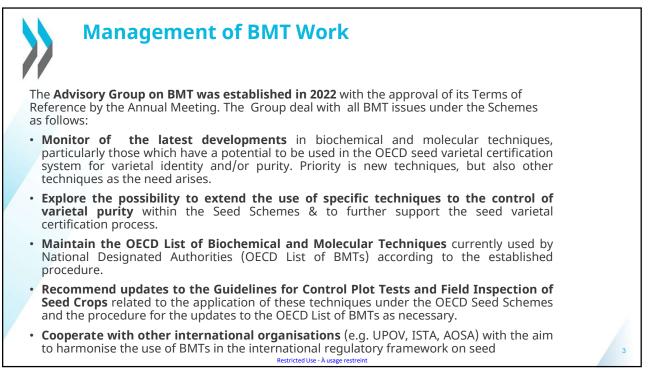
[Annex follows]

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ANNEX









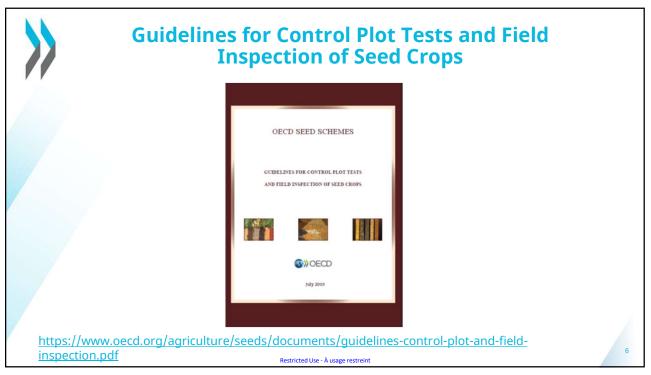
## Rules and Regulations of the OECD Seed Schemes related to BMT

#### 7.4.5 Other Controls as appropriate

Where field inspection and control plot testing have been fully implemented and still left some doubt as to the varietal identity of a seed lot, the National Designated Authority is entitled to make any other supplementary tests as recorded in the Annex to Part III of the Guidelines for control plot tests and field inspection of seed crops, as being appropriate to the variety concerned and to obtain any supplementary information in support of the certification decision for the seed lot concerned including internationally recognised biochemical and molecular techniques performed by a laboratory as referred to in Rule 7.4.2.1

7.4.5.1 The National Designated Authority may authorize non-official laboratories to carry out the analysis. If the National Designated Authority decides to use this procedure, it must define its scope (activities, species, categories and persons concerned). The National Designated Authority shall satisfy itself of verifications and other requirements, and take all measures, which guarantee equivalent operations by an authorised laboratory or by an official laboratory.

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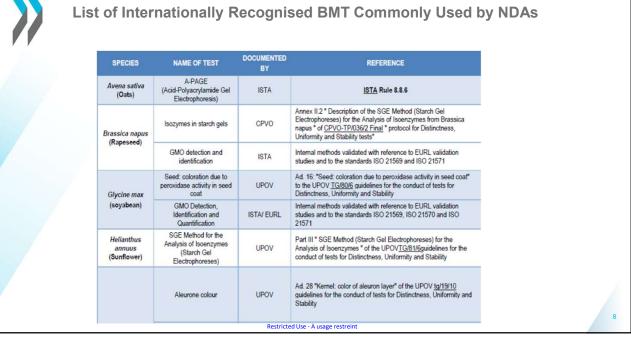


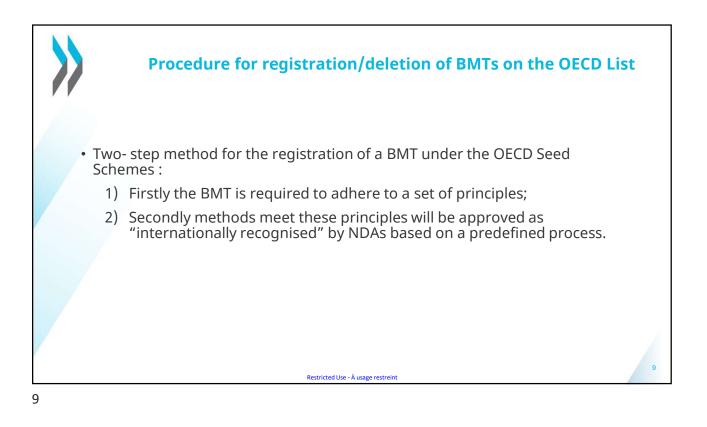


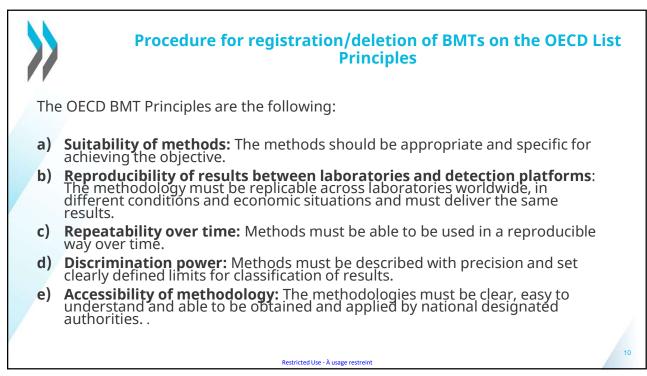
# Guidelines for Control Plot Tests and Field Inspection of Seed Crops

- Part III of the Guidelines: Biochemical and Molecular Techniques to Assist with Determining Varietal Identity
- Annex A Internationally Recognised Methods Currently Commonly used by the NDAs. This list is approved by the Annual Meeting
- All characteristics that are included on the Official Description of the variety (field or laboratory characters) can be used by NDAs to determine varietal identity and issue an OECD Seed Varietal Certificate
- The BMT methods listed can be used at the discretion of the NDA and can be applied to any category of seed.
- **Rejection of a seed lot** based on a BMT: the rejection should be undertaken in agreement with the rejecting and certifying NDAs.

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### Procedure for registration/deletion of BMTs on the OECD List Categories of BMT

**Category 1: The new BMT has been used to assess a specific characteristic of the variety in the official variety description of a variety registered under the OECD Seed Schemes** - Those BMTs used to assess DUS and to establish the official variety description will be regarded as adhering to the principles, unless evidence to the contrary becomes available, and no further evidence will need to be submitted to the OECD Secretariat.

**Category 2**: **The new BMT is recognised by a relevant International Organisation** -BMTs which are recognised by UPOV, ISTA, AOSA, CPVO, ISO will be automatically regarded as adhering to the OECD principles and no further evidence need be submitted to the OECD Secretariat.

Category 3: Nationally recognised BMT - BMTs that are

1) not part of the official variety description and

2) not recognized by a relevant international organisation,

can only be registered on the list if they comply with the established OECD Principles for BMT. NDA's that wish to include a nationally recognised method will be required to provide evidence to prove that the method adheres to the principles set out above.

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### Procedure for registration/deletion of BMTs on the OECD List Category 3 – Nationally recognised BMT

# the NDA is required to provide evidence to prove that the method adheres to the OECD principles:

• **Rationale** – The NDA must explain why this BMT should be added to the OECD List of BMT. (advantage especially if a comparable BMTs are already registered on the list).

and

• **Full description of the technique** - The BMT must be described in sufficient detail to permit other laboratories or test organisations to replicate the procedure and obtain the same results. Each BMT method description must include quantity parameters, quality criteria, concentrations and specific limits for interpretation of results with provable and verifiable classification.

and

• **Endorsement by at least two other member NDAs** – the BMT must be supported by at least two other member NDAs that have experience of applying the method successfully.

or

• **Endorsement by an international organisation** - The NDA might propose to an International organisation (e.g. ISTA) to validate a nationally recognised BMT method, which once validated would then fall under Category 2.

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