Technical Working Party on Testing Methods and Techniqu	es T
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TWM/2/6 Add.

Second Session Virtual meeting, April 8 to 11, 2024 Original: English Date: April 10, 2024

ADDENDUM TO: MOLECULAR APPROACHES TO SUPPORT DUS TESTING

Document prepared by experts from the United Kingdom

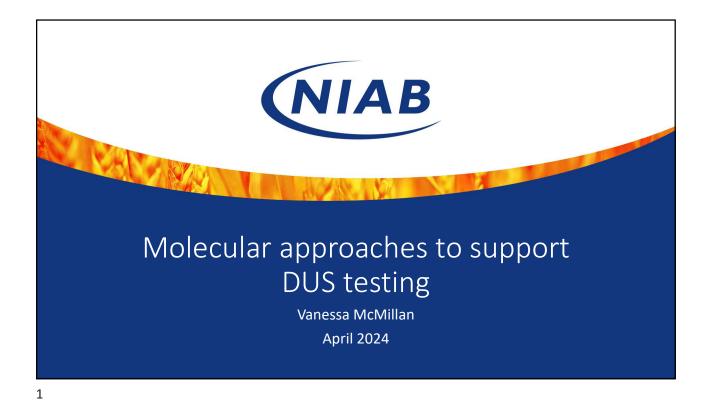
Disclaimer: this document does not represent UPOV policies or guidance

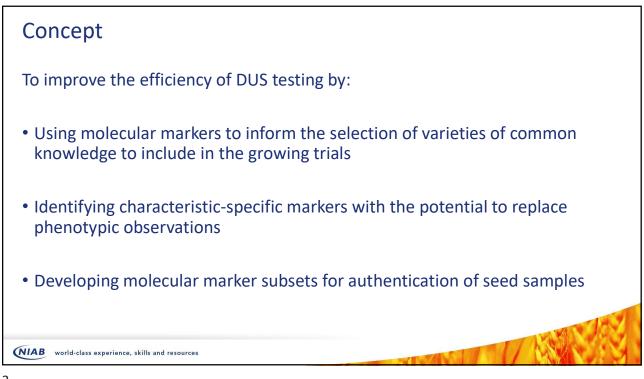
The annex to this document contains a copy of a presentation "Molecular approaches to support DUS testing", made by an expert from the United Kingdom, at the second session of the Technical Working Party on Testing Methods and Techniques (TWM).

[Annex follows]

TWM/2/6 Add.

ANNEX

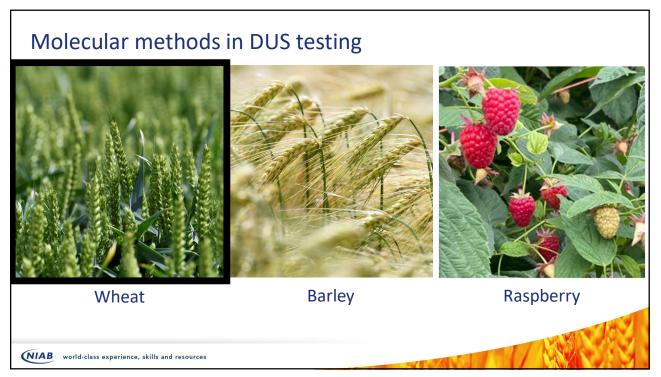


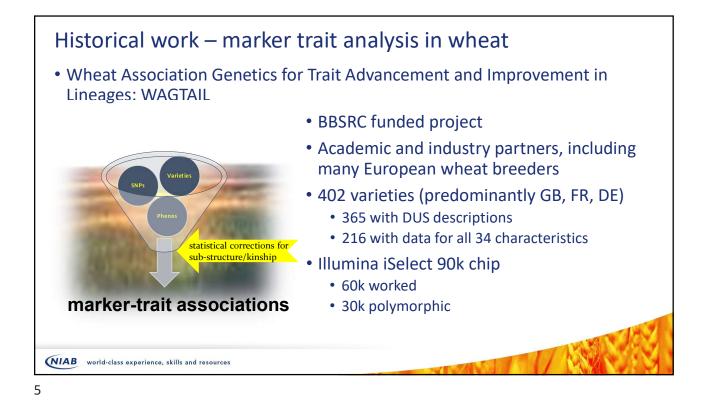


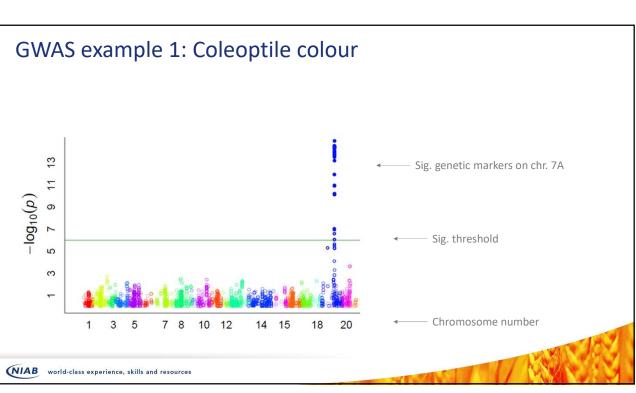
Molecular methods in DUS testing

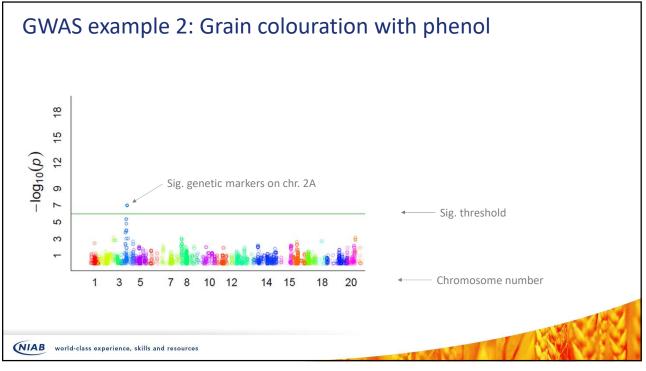


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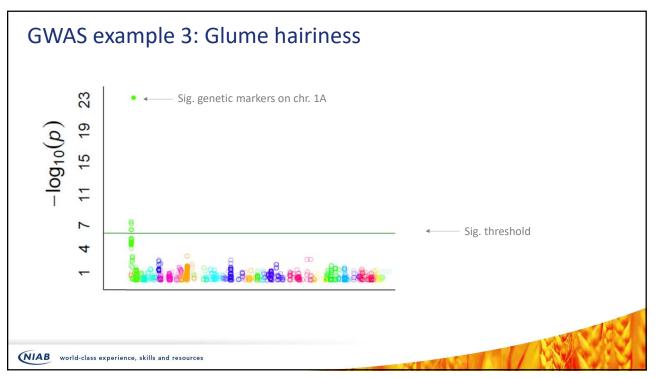


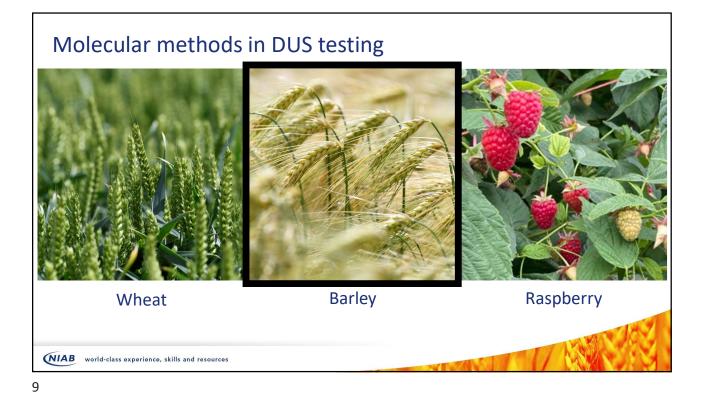


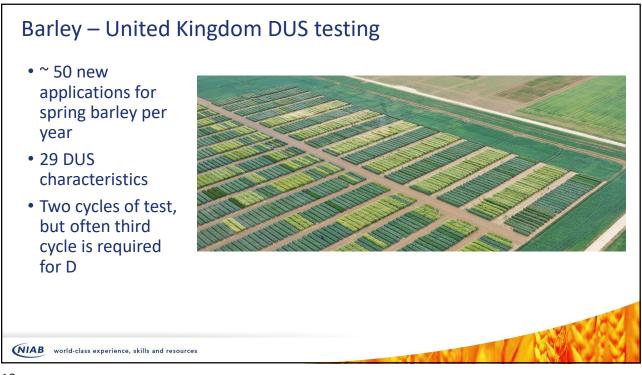


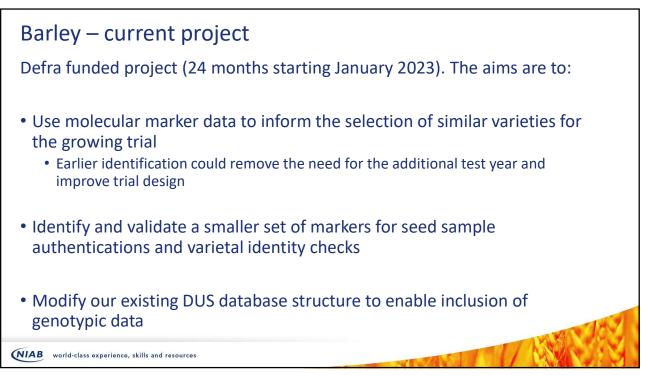




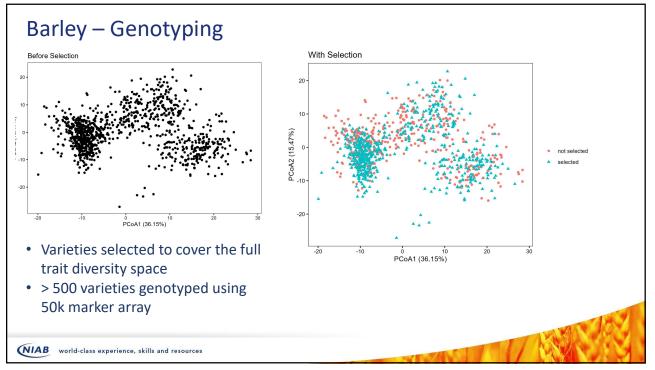


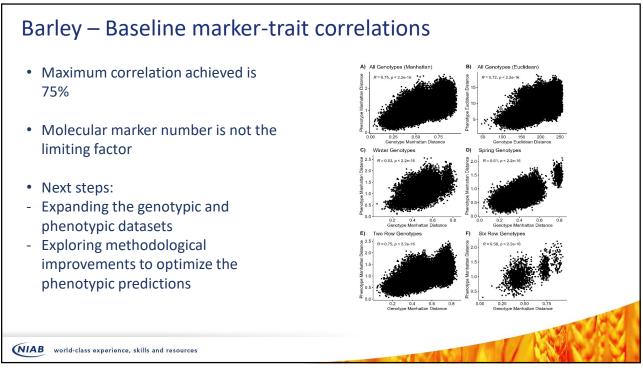




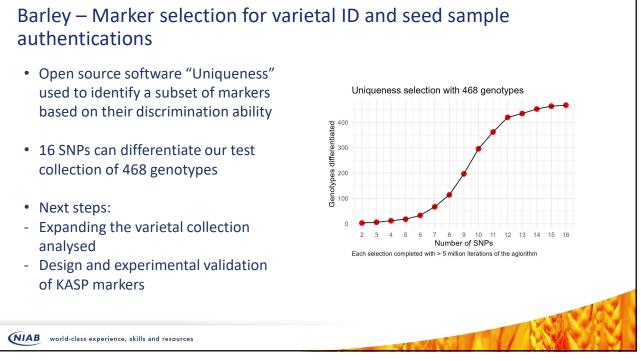


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Molecular methods in DUS testing



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Raspberry

- Defra funded project
- Aim: Develop an Artificial Intelligence program to identify genomic markers with the potential to distinguish between varieties of *Rubus idaeus* L.
- Phenotype data
- Exome capture and sequencing, Whole genome sequencing, Artificial Intelligence and deep learning



Current work – obtaining representative raspberry material for genotyping

NIAB world-class experience, skills and resources

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[End of Annex and of document]