

Technical Working Party for Agricultural Crops

TWA/46/7 Add.

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ADDENDUM TO USE OF DISEASE AND INSECT RESISTANCE CHARACTERISTICS IN DUS EXAMINATION

Document prepared by the Office of the Union

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The Annex to this document contains a copy of a presentation on "Use of disease and insect resistance characteristics for Soybean DUS testing", prepared by an expert from Brazil that was made at the forty-sixth session of the Technical Working Party for Agricultural Crops (TWA).

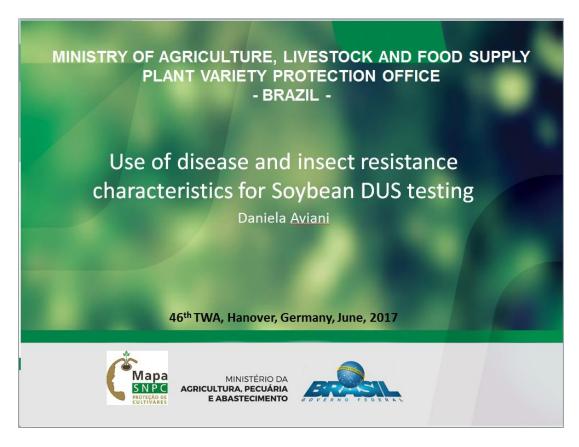
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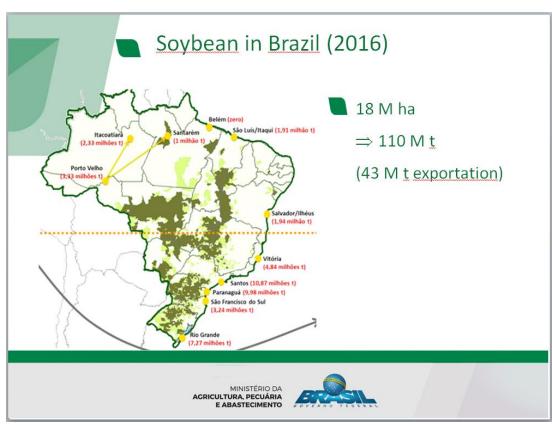
TWA/46/7 Add.

ANNEX

USE OF DISEASE AND INSECT RESISTANCE CHARACTERISTICS FOR SOYBEAN DUS TESTING

Presentation prepared by an expert from Brazil







- self-pollinated species
- narrow genetic basis
- breeders test system
- training for harmonization/example varieties
- 120 applications/year
- databank comparison (1400 descriptions GAIA)
- distinctness trials
- post-control trials

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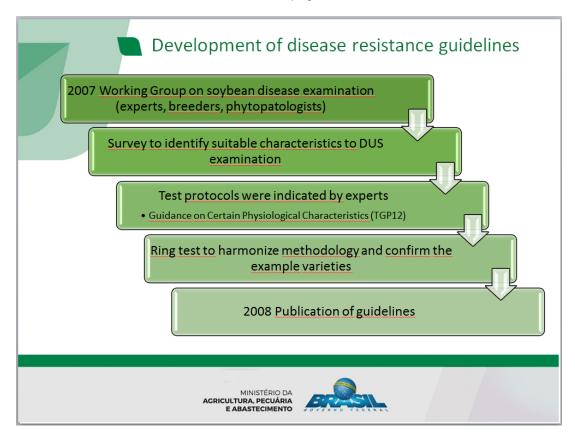


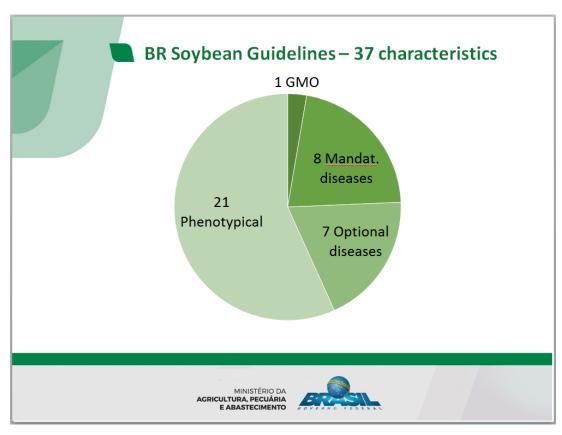
Advantages of using diseases characteristics

- varieties are bred for disease resistence
- improve quality of descriptions
- increase reliability of comparison
- good distinctness tool
- usually not expensive
- short duration

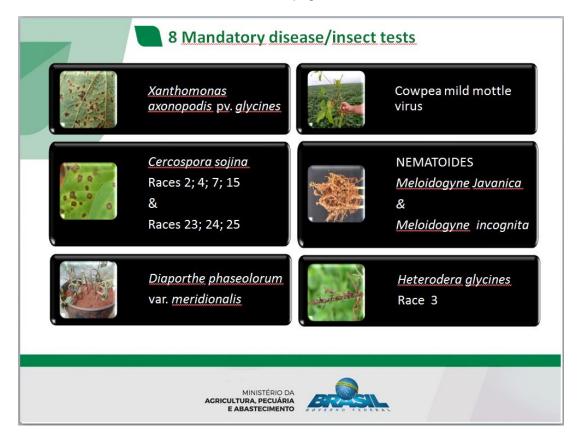
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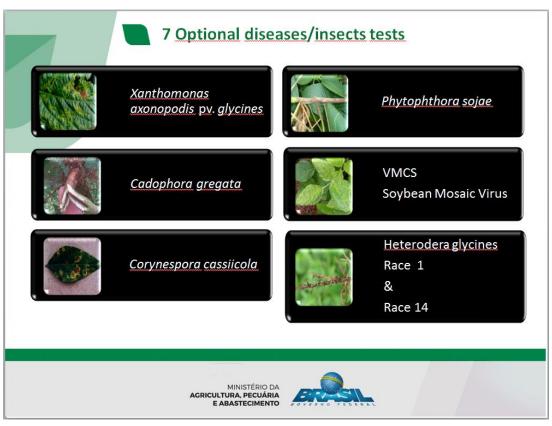






TWA/46/7 Add. Annex, page 4







- Characteristic must be precise (pathogen, races...)
- Inoculum source must be centralized and available
- Protocols must be widely recognized
- Protocols must be harmonized (ensure consistency and repeatability)
- Costs must be taken into account





