UPOV
International Union for the Protection of New Varieties of Plants

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Technical Working Party on Testing Methods and Techniques **TWM/4/10**

Fourth Session
Cambridge, United Kingdom, June 2 to 5, 2026

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PUBLIC-PRIVATE PARTNERSHIP, A BRAZILIAN EXPERIENCE

Document prepared by an expert from Brazil

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The annex to this document contains a presentation “Public-private partnership, a Brazilian experience”, to be made by an expert from Brazil, at the fourth session of the TWM.

[Annex follows]

Molecular markers

Public-private partnership, a Brazilian experience

TWM/UPOV - June/2026

MINISTRY OF AGRICULTURE AND LIVESTOCK

BRAZILIAN GOVERNMENT

BRASIL

STANDING WITH THE BRAZILIAN PEOPLE

CropLife BRASIL

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Timeline

2020
Discussion began on the implementation of a molecular analysis project

Jun/2024
A Technical Cooperation Agreement was signed between the Ministry of Agriculture and Livestock and Croplife Brazil

Dec/2024
The Ad Hoc Group was established

Jul/25-Mar/2026
Molecular analysis

Oct/25-May/2026
Pairs of varieties trial

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Technical Cooperation Agreement

- Objective: to strengthen the use of molecular markers to support activities related to variety protection, commercialization and enforcement of intellectual property rights over protected varieties
- Partnership: Ministry (samples) x Croplife Brasil (molecular analysis)
- Work plan: September 2024 to September 2027

Ad Hoc Group

- Participants: Ministry of Agriculture and Livestock, Croplife Brazil and 8 private-sector entities
- Signing of a commitment and confidentiality agreement
- Holding of regular meetings to discuss the project's directions and results

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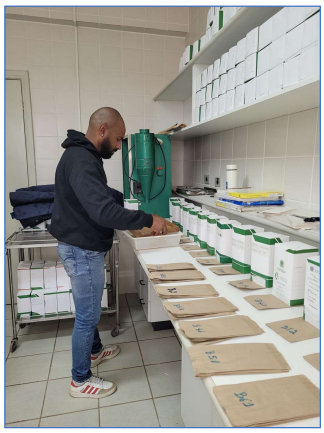
Methodoly

- Species: soybean
- Varieties: 919 (selected by the breeders)
- Preparation of samples: Heréditas laboratory
- Illumina Infinium BARCSoySNP6K v3, Agricultura Research Service, USDA, United States (used by USA and Argentina)
- Subset 'X' of markers from the Illumina Infinium BARCSoySNP6K v3 methodology
- Subset 'Y' of markers for support to DUS test
- Subset 'Z' of markers for variety identification

Confidentiality

- Coded samples prepared by the SNPC
- All molecular information regarding protected varieties is confidential
- Subset Z of molecular markers will be publicly avaiable



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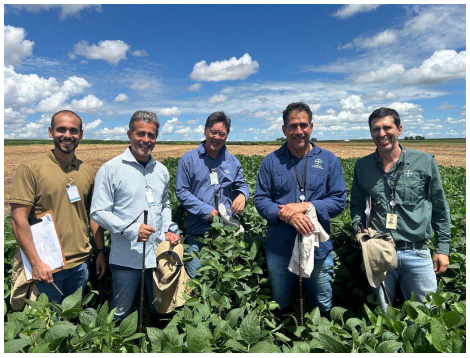
Pairs of varieties trial

- TGP/15/3, Anex II, Example 1 – Combining phenotypical and molecular distances
- 450 varieties
- 7 companies + SNPC
- South, North and Midwest regions
- October, 2025 to May, 2026





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Advantages

- Reliability of samples
- Private-sector investment
- Many professionals involved
- Development of a methodology to be replicated by the Ministry of Agriculture and Livestock
- Potential for expansion to other plant species

Challenges

- Private-sector engagement
- Implementation and evaluation of the pairs of varieties trial
- Implementation of new procedures by Ministry
- Maintaining of molecular analyses

Next steps

- Data analysis
- Criation of a molecular data base
- Criation of a protocol to molecular analysis

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Special thanks

- INASE Argentina (Ana Laura Viccario, Mariano Mangieri and Fernanda Dalmau)
- Marymar Brutuille/ Bayer

Corteva IMAMT Syngenta

TMG Tropical Melhoramento & Genética

GDM

BASF We create chemistry

Embrapa

BAYER

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THANK YOU

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[End of Annex and of document]