

Evaluation of a system based on SNP markers as a complementary tool for soybean genotypes differentiation in Argentina.

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To obtain a new tool that, utilized together with the morphological descriptors used today for PVP, to improve the varieties registration process.

The project promoted by companies under ASA is under review by the INASE.

Current Status Cartagena, 2017

Collaboration agreement among Argentine seed companies and INASE

Subset 1: Active varieties , PVP in force

Subset 2: Commercial varieties not included in original list

Total : 870 samples

Set of selected SNP markers

Based on the work done in the US, this group defined the BARCSoy6K chip as the platform of markers for the analysis

The decision to work in accordance with the Project developed by the USDA is intended to have a harmonious germplasm / marker base between the northern and southern hemispheres

The Progress of the Project

At the time of this presentation the samples are already in the laboratory being processed (SegID , Toronto, Ontario, Canada)

Was created an ad hoc “MM Committee” including members of INASE and companies creating the environment for discussing and analyzing the value of the information obtained

An agreement is currently being prepared by the INASE and will be subject to a pre-signature review by all project participants

The Progress of the Project

This agreement includes:

- *Protocol of Processing, collection of samples and sending of the samples to the laboratory*
- *The decision on what is the minimum number of markers necessities for each of the main targets of the proyect (the use of markers as a strategy for differentiation and commercial control)*
- *Confidential information*

Thank you for your attention!

