

Barley genotypes resistant to Yellow Rust and Spot Blotch

URUGUAY, PERÚ, SYRIA, UNITED STATES



Webstory



Technological solution

Incorporation of resistance to Yellow Rust (*Puccinia striiformis*) and Spot Blotch (*Cochliobolus sativus*) to barley genotypes.



Technological description

Incorporation of genetic resistance to susceptible barley varieties through marker assisted selection. The recipient lines susceptible to Spot were INIA Ceibo and INIA Aramo, and the resistant donor was the BCD47 line. The recipient line susceptible to Rust was INIA Arrayán, and the resistant donor was Ambev 293



Impacts and results

- Introduction of resistance genes to INIA Ceibo, and INIA Aramo, and INIA Arrayán.
- A process of construction of pyramids of resistance genes to Spot was started using the already known resistance and some of the new resistance detected in the project.
- A network of collaboration and technical support was consolidated among the participants.



3
Improved varieties



2
Scientific Publications



15
Conference Presentations

PARTICIPATING ORGANIZATIONS

MAIN DONORS

