
“Evaluation of germplasm from International Centers in Georgia”

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1. The germplasm evaluation activities and results;
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Improved germplasm

20,000 accessions

wheat, barley, maize,
chickpea, lentil, potato,
vegetables



Wheat Gremplasm

- 19 FAWWON-SA;
- 19 FAWWON-IR;
- 14 IWWYT-SA;
- 15 IWWYT-IR;
- WWYRRN;
- 3 WWSRRN;
- 11 RWKLDN;
- 6 IYRTN;
- 7 ISRTN;
- 6 STEMRRSN

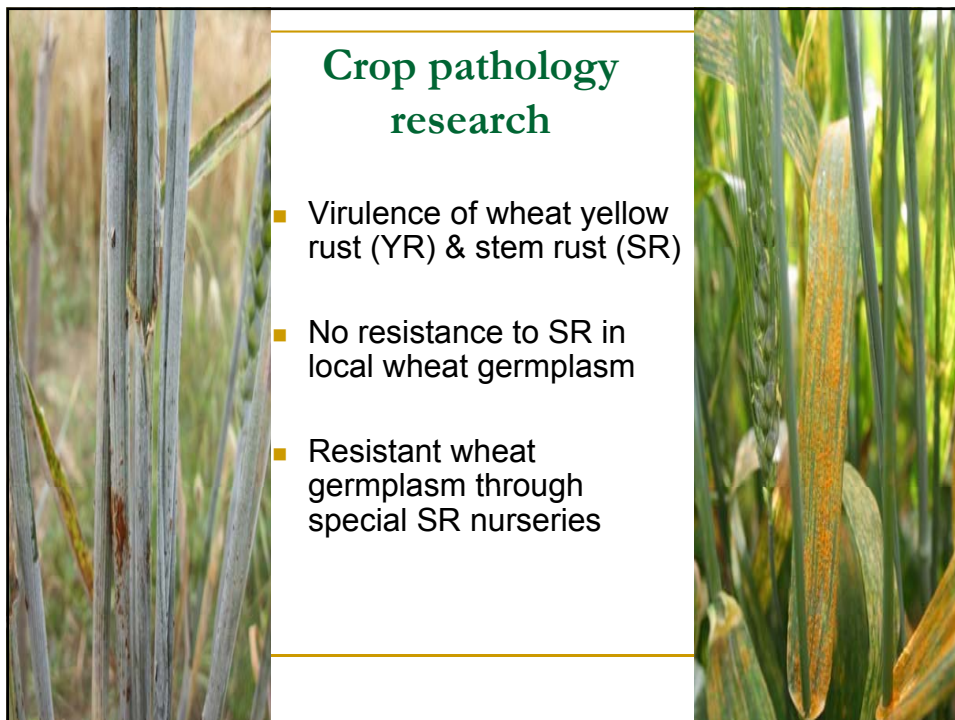


Registered Wheat Varieties

Variety Name	Pedigree	Year of Release	Hectares planted to the variety
Lomtagora 123	FRTL/Nemura – 7EYT-IRR-9823	2010	10 000
Lomtagora 109	Shark/F4105W.21 – 7EYT-IRR-9809	2011	5 000
Sauli 9	SAULESKU#44/TR810222 8EYT-SA - 9	2011	-
Lomtagora 149	TNMUI6/PEL 74144/4/KVZ//AN	1012	-

Crop pathology research

- Virulence of wheat yellow rust (YR) & stem rust (SR)
- No resistance to SR in local wheat germplasm
- Resistant wheat germplasm through special SR nurseries



Field days and traveling seminars



Grain legumes

- Appreciation of grain legumes is increasing in Georgia due to need for efficient rotation;
- Elexir (Chickpea) and Pablo (lentil).



Potato germplasm

- Clones from CIP adapted to longer day light and resistant to LB;
- Two New varieties are getting to register.



Improved maize varieties

- Good combining ability of CIMMYT inbred lines with local material;
- Good adaptation to lowland conditions (long vegetation season 130-140 days)
- Two hybrids have been registered. One has white kernel and good “maize bread” baking and “porridge” quality,



Vegetable Breeding

Germplasm received from AVRDC

- Sweet pepper
- Eggplant
- Soybean
- Tomato

Some varieties released

Current projects

- Characterization of Georgian wheat germplasm for morpho-physiological traits, yield, quality and disease resistance;
- Georgian legume germplasm characterization study

Cooperation Areas with CGIAR

- Plant Genetic Resources
- Plant Breeding
- Natural Resource Management
- Livestock Research
- Capacity Building
- Policy Advice

Future cooperation with CGIAR

- Germplasm exchange: wheat, barley, legumes (grain and forage), vegetables, potato and maize
- Joint research on crop management practices
- Efficient use of natural resources
- Training including joint degree programs
- Building regional and international partnerships

Thank you.

Questions...