

Barley

Genetic stocks at a glance

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Genetic stocks are valuable genetic resources, which represent a unique trait *i.e.* biotic/abiotic stress resistance, quality character, altered botanical characters etc. depending upon thematic and researchable areas of a particular crop. Genetic stocks can be broadly divided into three categories viz. cytological stocks (chromosomal addition/substitution/deletion, aneuploids etc.), mutants (induced/spontaneous mutants, tilling populations) and conventional stocks (from mapping populations, altered parental stocks etc.). Barley is a primitive sacred cereal grain and occupied fourth rank after maize, rice and wheat, globally during 2014. A very few genetic stocks (21) have been registered in barley *i.e.* disease resistance (09), quality traits (07), male sterility (04), altered botanical characters (01) etc. to foster plant breeding programmes in India and are presented here-

Genotype	INGR No.	Year	Parentage	Developed by	Trait
BH561	1006	2001	BG105/K125	CCSHAU, Hisar	Multi-pistillate with four ovaries
BH562	1007	2001	Mutant of RD2508	CCSHAU, Hisar	Six-rowed genic male sterile (GMS) line
BH563	1008	2001	Mutant of Alfa93	CCSHAU, Hisar	Two-rowed genic male sterile (GMS) line
BH462	2023	2002	Sel Arozona 5908/Lignee640	CCSHAU, Hisar	Resistant to stripe, leaf and black rusts and blights (spot and net blotch)
BH490	2024	2002	BH 87/Ratna	CCSHAU, Hisar	Resistant to stripe, leaf and stem rusts
BHMS 12A/12B	3057	2003	msm1/EC382331 (EC382331-recurrent parent)	CCSHAU, Hisar	Cytoplasmic genic male sterile (CGMS) line
BHMS 25A/25B	3058	2003	msm2/SxW15-5, (SxW15-5-recurrent parent)	CCSHAU, Hisar	Cytoplasmic genic male sterile (CGMS) line with short awns
DWR37	4087	2004	Clipper/PL 172	ICAR-IIWBR, Karnal	Better malting quality (low husk and β -glucan)

DWR38	4088	2004	BCU73/DL88// Clipper	ICAR-IIWBR, Karnal	Two-rowed barley with better malting quality and superior hectolitre weight
DWR39	4089	2004	BCU73/DL172// ALFA 93	ICAR-IIWBR, Karnal	Two-rowed barley with better malting quality (low grain β -glucan and wort viscosity)
DWR44	4090	2004	Clipper/BH 75	ICAR-IIWBR, Karnal	Resistance to stripe rust at seedling and adult plant stage
DWR47	4091	2004	Clipper/K 508	ICAR-IIWBR, Karnal	Resistance to leaf blight
DWR51	6001	2006	BCU 73/PL172	ICAR-IIWBR, Karnal	Excellent malting quality
BHS369	8010	2008	VLB 49/BHS169/ /BHS169	ICAR-IARI, RS (CHC), Shimla	Resistance to stripe rust in seedling & adult plant stage
DWR45	8114	2008	SHEBEC/DL88	ICAR-IIWBR, Karnal	Resistant to stripe rust at seedling as well as adult plant stages
Kasota (EC532635)	15003	2015	Celaya/Mezquita/Go diva/3/Trompillo	ICAR-IIWBR, Karnal	High antioxidant activity
DWRB127	15004	2015	DWR45/DWR46	ICAR-IIWBR, Karnal	Highly resistant to stripe rust
DWR30	15053	2015	ARUPO/K8755 //ALELI	ICAR-IIWBR, Karnal	High β -glucan content
BK1127	15054	2015	RD2503/DWR49	ICAR-IIWBR, Karnal	High 1000 grain wt. and protein content
DWRB128	16002	2016	DWRUB54/ DWRUB75	ICAR-IIWBR, Karnal	Highly resistant to stripe rust in two row genetic back ground.
DWRB143	16003	2016	DWRB73/ DWR83	ICAR-IIWBR, Karnal	Highly resistant to stripe rust in six row genetic back ground.

Acknowledgements: We sincerely acknowledge the information retrieved from ICAR-NBPGR website for updating information of some genetic stocks, which is used in the compilation of this document for barley researchers and students.