# PGR Portal

National Bureau of Plant Genetic Resources (Indian Council of Agricultural Research)











## Home>

By clicking on the link or typing <u>www.nbpgr.ernet.in/pgrportal</u> in the address bar, you reach the homepage of the Portal.

The homepage of the Portal introduces the purpose of the Portal. It clearly shows that the hosting institution is NBPGR which is a part of the ICAR. By clicking on the logos you can reach the respective homepages.

The green strip houses links to other pages of the Portal. Link to Terms and Conditions is given at the bottom. Copyright rests with NBPGR assigned to ICAR.

# About>Developmental stages

PGR Portal is an absolute product of in-house efforts over one and a half decade. A timeline of the developments is depicted here. It all started with digitization of IC number allotment, continued with data digitization through development of databases for passport, genebank and characterization and culminating in online PGR databases and the PGR Portal.

It reminds the efforts put in in the past and inspires us to be in the frontier in future.

# About>Data source

PGR Portal hosts useful information about the germplasm conserved in the national genebank at NBPGR.

The page explicitly mentions origin of the material as well as the source and contributors of the associated information.







# About>Access levels

Information on access to the Portal and the data therein is explicitly mentioned.

Access to information is governed by the various regulations promulgated by Indian government and implemented by NBPGR under the instructions of the ICAR.

ICAR can change the access provisions as it deems appropriate without any prior announcement.

# About>Acknowledgements

Evidently, PGR Portal is a product of continuous efforts of various individuals and value of individual contributions is immeasurable.

As the Portal links various activities in the chain of PGR management at NBPGR, every individual has a part in the generation of information.

We gratefully acknowledge the direct contributions of ARIS Cell (now AKMU).

# About>Team

The page lists the members of the team that has designed, developed and maintaining the PGR Portal.

It is not a credit page; but a page that shows who owns the responsibility of running the PGR Portal.







Crop/Plant Name Accession No.	Wheat
Cultivar Name Collector No./Other ID Scientific Name	Select All
Source	Select All 💽 오
Biological Status	Select All 😦 💊
	Get Search Result

# Search Database>

The page links the heart of the Portal, the search engines.

Portal provides three types of searches:

- 1. Passport (Simple)
- 2. Passport (Free text)
- 3. Characterization/Evaluation

# Search Database> Passport (Simple)

This search page helps you to search through the germplasm accessions conserved at the National Genebank located at NBPGR based on simple search criteria.

There are seven criteria based on which specific accessions can be searched. Six of them linked to the first, which is common (English) name of the plant species.

# Search Database> Passport (Simple)

Start typing the common name of the plant you wish to search. Each letter typed narrows down the suggested search term.

Once you get the required plant name, select the word to continue searching.

# Search Database> Passport (Simple)

The second criterion is selection of accession number with prefix (IC or EC). A single number or a range of numbers can be used to search.

Typing numbers does not suggest any numbers; you may have to enter the exact number/s.





Crop/P	lant Name	Wheat	•
Acces	sion No.	IC • From :	То :
Cui	http://202.141.12.147/pgrportal/Sim	pleSearchModalPopup.aspx - Windows Inter	net Explorer
Collecto		Number of indigenous	& exotic accessions
Scie	Accession		# Accessions
	IC		10051
	EC		646
	Total		10697
Biolc			

			10.
Cultiva	r Name		
Collector N	o./Other ID		
Scientif	ic Name	Sele	ct All 🗸 💿
So	http://202.141.12.147/pgrportal/S	impleSearchModalPopup.aspx - Window	is Internet Explorer
	http://202.141.12.147/pgrportal/S	impleSearchModalPopup.aspx	
Biologio		Number of accessio	ons species-wise
	Species		# Accessions
	Triticum aestivum		10628
	Triticale x Wheat hyb	vrid	47
	Triticum monococcur	n	15
	Triticum sphaerococo	cum	5
	Triticum vavilovii		1
	Triticum pyramidale		1
	Total		10697
Copyright @			

	Collector No./Other ID		
	Scientific Name	Select All	-
	Source	Select All	•
(	http://202.141.12.147/pgrportal/SimpleSearchModalPopu	ip.aspx - Windows Internet Explorer	
	http://202.141.12.147/pgrportal/SimpleSearchModalPopu	ip.aspx	
	India - Punjab	484	
	India - Himachal Pradesh	457	
-	India - Rajasthan	294	
	UNITED STATES OF AMERICA	275	
	India - Madhya Pradesh	269	
	AUSTRALIA	228	
	India - Jammu and Kashmir	134	
	India - West Bengal	117	
	India - Gujarat	93	
	India - Karnataka	80	
	India - Maharashtra	56	
	NEPAL	52	

#### Search Database> Passport (Simple)

The last criterion is by nature of the material in terms of biological status.

The information is as per passport data. Legacy data being difficult to verify, in some cases this information may be treated as indicative only.

## Quick Info Links



Before entering or selecting terms to specify the search, once the crop name is selected, four Quick Info links get activated. Enable pop-ups in your browser settings to use this facility.

# Quick Info link for crop/plant name

Clicking on the icon pops up a table showing number of conserved accessions of the selected crop/plant (total, indigenous and exotic).

#### Quick Info link for scientific name

Clicking on the icon pops up a table showing number of conserved accessions of the selected crop/plant species-wise.

#### Quick Info link for source

Clicking on the icon pops up a table showing number of conserved accessions of the selected crop/plant source-wise.

Cultivar Name			
Collector No./Other ID			
Scientific Name		Select All .	
		OCICCT/4	
Source		Select All	
-			-
Biological Status		Select All	
http://202.141.12.147/pgrportal/SimpleSearchModalPopulation	onun asny - Windows Intern	et Evol	
6 http://202.141.12.147/pgrportal/SimpleSearchModalPo	opup.aspx	1	
Number of accessi	ons biological statu	s-wise	
Biological Status			
OTHERS		# Accessions	
UTILIKS		# Accessions 7799	
LANDRACE			
		7799	
LANDRACE		7799 928	
LANDRACE ELITE LINES		7799 928 777	
LANDRACE ELITE LINES IMPROVED CULTIVAR		7799 928 777 438	
LANDRACE ELITE LINES IMPROVED CULTIVAR RELEASED CULTIVAR		7799 928 777 438 206 194 174	W AVMUL NERGE
LANDRACE ELITE LINES IMPROVED CULTIVAR RELEASED CULTIVAR GENETIC STOCK		7799 928 777 438 206 194 174 52	y akmu, NBPGR
LANDRACE ELITE LINES IMPROVED CULTIVAR RELEASED CULTIVAR GENETIC STOCK WILD		7799 928 777 438 206 194 174	y akmu, nbpgr
LANDRACE ELITE LINES IMPROVED CULTIVAR RELEASED CULTIVAR GENETIC STOCK WILD TRADITIONAL OR FARMERS VARIETY		7799 928 777 438 206 194 174 52	ay akmu, NBPGR

# Quick Info link for biological status

Clicking on the icon pops up a table showing number of conserved accessions of the selected crop/plant based on the **biological status**.

At any stage after selecting the crop/plant name, clicking on the "Get Search Result" button returns the results in a tabulated form as follows:

- The table has a title showing the number of accessions returned as per the selection criteria
- Results are arranged in SIX columns: Accession number, Scientific name, Collector number/Other ID, Variety/Cultivar name, Biological status and Source
- Results are generated in multiple pages with information on twenty rows (accessions) per page

Accession No.	Scientific Name	Collector No./Other ID	Variety/Cultivar Name	Biological Status	Source
IC341335	Triticum aestivum	RKS/RRA-75	-/Wheat	OTHERS	Uttarakhand
IC341362	Triticum aestivum	RKS/RRA-102	-/Wheat	OTHERS	Uttarakhand
IC341374	Triticum aestivum	RKS/RRA-114	-/Wheat	OTHERS	Uttarakhand
IC341383	Triticum aestivum	RKS/RRA-123	-/Mishri	OTHERS	Uttarakhan
IC341417	Triticum aestivum	RKS/RRA-157	-/Wheat	OTHERS	Uttarakhan
IC345171	Triticum aestivum	KJ-242	-/Gahoun	OTHERS	Uttarakhan
IC345179	Triticum aestivum	KJ-250	-/Gahoun	OTHERS	Uttarakhan
IC345181	Triticum aestivum	KJ-252	-/Gahoun	OTHERS	Uttarakhan
IC345183	Triticum aestivum	KJ-254	-/Gahoun	OTHERS	Uttarakhan
IC345581	Triticum aestivum	KJ-117	-/Ghaun	OTHERS	Uttarakhan
IC345585	Triticum aestivum	KJ-121	-/Ghaun	OTHERS	Uttarakhan
IC345589	Triticum aestivum	KJ-125	-/Ghaon	OTHERS	Uttarakhan
IC345598	Triticum aestivum	KJ-134	-/Ghaon	OTHERS	Uttarakhan
IC345604	Triticum aestivum	KJ-140	-/Ghaon	OTHERS	Uttarakhan
IC345620	Triticum aestivum	KJ-156	-/Ghaun	OTHERS	Uttarakhan
IC345671	Triticum aestivum	KJ-207	-/Gahoun	OTHERS	Uttarakhan
IC345673	Triticum aestivum	KJ-209	-/Gahoun	OTHERS	Uttarakhan
IC345687	Triticum aestivum	KJ-223	-/Gahoun	OTHERS	Uttarakhan
IC345688	Triticum aestivum	KJ-224	-/Gahoun	OTHERS	Uttarakhan
IC345690	Triticum aestivum	KJ-226	-/Gahoun	OTHERS	Uttarakhan

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Home	About	Search Database	Help	Useful Links	Contact Us	Feedback	
		Criteria may include one or n Type details in part or full.	nultiple fields				
		Crop/Plant Name			Order By Crop name		
	Ad	Species ccession No. From	т	•:	Crop name     Species     Accession No.		
Coll.No/Ot		var Name/Variety Biological Status /Country (Source)			<ul> <li>Coll.No/ Other I</li> <li>Biological Statu</li> </ul>		Ŷ
		Get Searc	h Result		State/Country(S Ascending	Source)	

# Search Database> Passport (Free-text)

This search page helps you to search through the germplasm accessions conserved at the National Genebank located at NBPGR based on free-text criteria.

Search can be carried out based on a term in any of the six options. By clicking on "Get Search Result" a tabulated result is generated as in case of simple search.

At any stage after selecting the crop/plant name, Species, Accession No. in range, CollNo. /Other Id/Cultivar Name/Variety, Biological Status, State/Country clicking on the "Get Search Result" button returns the results in a tabulated form as follows:

- The table has a title showing the number of accessions returned as per the selection criteria
- Results are arranged in SIX columns: Accession number, Scientific name, Collector number/Other ID, Variety/Cultivar name, Biological status and Source
- Results are generated in multiple pages with information on twenty rows (accessions) per page

Accession No.	Crop	Scientific Name	Collector No./Other ID	Variety/Cultivar Name	Biological Status	Source
IC423525	Paddy	Oryza sativa	SKY/AK-1575	- / Dhan	OTHERS	Himachal Pradesh
IC415659	Paddy	Oryza sativa	IP - 48	- / Desi dhan	OTHERS	Maharashtra
IC416946	Paddy	Oryza sativa	UR-1	- / Dan	TRADITIONAL OR FARMERS VARIETY	Arunachal Pradesh
IC423521	Paddy	Oryza sativa	SKY/AK-1571	- / Lal Dhan	OTHERS	Himachal Pradesh
IC413331	Paddy	Oryza sativa	ADG/1/3	- / Sali	LANDRACE	Jammu and Kashmi
IC416948	Paddy	Oryza sativa	UR-100	- / Ammo	TRADITIONAL OR FARMERS VARIETY	Arunachal Pradesh
IC423303	Paddy	Oryza sativa	APR-80	- / Apaghi	IMPROVED CULTIVAR	Nagaland
IC426036	Paddy	Oryza sativa	NKM-60	- / Jayshree	TRADITIONAL OR FARMERS VARIETY	Chattisgarh
IC426039	Paddy	Oryza sativa	NKM-63	- / Kerakandi	TRADITIONAL OR FARMERS VARIETY	Chattisgarh
IC426045	Paddy	Oryza sativa	NKM-69	- / Bisni	TRADITIONAL OR FARMERS VARIETY	Chattisgarh
IC426065	Paddy	Oryza sativa	NKM-89	- / Safri	LANDRACE	Chattisgarh
IC418790	Paddy	Oryza sativa	3138	- / BASMATI-6131A	IMPROVED CULTIVAR	Punjab
IC418793	Paddy	Oryza sativa	3748	- / BASMATI-6141-A	LANDRACE	Punjab
IC418813	Paddy	Oryza sativa	3735	- / BASMATI C-622-C	LANDRACE	Punjab
IC427166	Paddy	Oryza sativa	JCR-950	- / Dhan	IMPROVED CULTIVAR	Himachal Pradesh
IC426025	Paddy	Oryza sativa	NKM-49	- / Lal dhan	TRADITIONAL OR FARMERS VARIETY	Chattisgarh
IC426048	Paddy	Oryza sativa	NKM-72	- / Sannamansuri	TRADITIONAL OR FARMERS VARIETY	Chattisgarh
IC426051	Paddy	Oryza sativa	NKM-75	- / Kadamphool	LANDRACE	Chattisgarh
IC426054	Paddy	Oryza sativa	NKM-78	- / Laldhan	LANDRACE	Chattisgarh
IC426080	Paddy	Oryza sativa	NKM-104	- / Patar Bako	LANDRACE	Chattisgarh



# Search Database>Characterization/Evaluation

This search page helps you to search through the germplasm accessions conserved at the National Genebank located at NBPGR based on data generated by characterization and preliminary evaluation experiments.

This search is specially meant for breeders to identify desired accessions based on field evaluation criteria. First select the crop. Then identity numbers if the search is needed within a range of accession numbers.

# Search Database>Characterization/Evaluation

Once the crop and species are selected, the characterization and preliminary evaluation descriptors get loaded for the respective crop/plant.

Select the values or a range to specify the search. This decision is helped by the minimum, maximum and average values (in case of quantitative traits) and descriptor states (in case of qualitative traits)

-Characterization and Evaluation	Search Criteria
Crop/Plant Name	Safflower
Accession Prefix	
Accession Number	to
Accession Suffix	
Species	Carthamus tinctorius -
Early plant vigour	🗌 Poor 🗐 Good 🗐 Very good 🕏
Plant growth habit	🗌 Appressed 🔲 Cylindrical 🔲 Cone shaped 🗐 Bushy 🗐 Erect 🔲 Others 🕌
Leaf margin	🗌 Entire 🗌 Serrate or dentate 🗐 Deeply serrate 🗐 Others 🥃
Branching habit	No branches Predominantly basal Predominantly on the upper 1/3 of plant Predominantly on the upper 2/3 of plant From base to apex
Angle of branches	🗌 No branches 🗌 Acute(15-20 degree) 🗐 Intermediate(20-60 degree) 🗌 Spreading(60-90 degree) 🗐 Drooping(90 degree_ 🗐 Others 🥃
Number of capitula per plant	to ( Min : 14.20 Max : 127.30 Avg : 55.92 )
Days to 50% flowering	to ( Min : 85.00 Max : 148.00 Avg : 115.20 )
<u>Capitula shape</u>	🗌 Oval 🗏 Conical 🗐 Flattened 🗐 Others S
Corolla colour	🗌 White 🗌 Pale yellow 🗌 Light yellow 🗌 Yellow 🗌 Light orange 🗌 Yellow base and tips of lobes orange 🗌 Red orange 💭 Pink 💭 Purple 💭 Others
Extent of leaf spininess	🗌 Non spiny 🗌 Few spines 🗐 Intermediate 🗐 Many spines 🔲 Others 😓
Pappus	🗌 Absent 🔤 Present 🥃
Corolla colour of dry flower	🗌 Grey white 🗌 Pale yellow 🖳 Yellow 🔲 Light orange 🗔 Orange base 🗐 Orange 🖾 Deep red 🗌 Pinkinsh white 🗔 Others 😎
Plant height(cm)	to ( Min : 14.30 Max : 194.20 Avg : 111.10 )
Location of spines on outer involucral bracts	💈 🗌 Tip only 🗌 Tip and few basal 🗌 Tip and few apical 🗌 Tip and all along margin 🥅 Margins only 🗔 Others 🕏
Diameter of primary capitula (mm)	to ( Min : 1.40 Max : 1858.00 Avg : 12.20 )

# **Quick Info Links**

Before entering or selecting terms to specify the search, once the crop name is selected, Quick Info links get activated. Enable pop-ups in your browser settings to use this facility.



Quick information on the number of accessions in the selected crop/plant based on a qualitative descriptor/trait (e.g. plant vigour, part colour, etc.)

Quick information on the number of accessions in the selected crop/plant based on a quantitative descriptor/trait (e.g. days, height, etc.)

Example of a quick info on qualitative character



## Example of a quick info on quantitative character



At any stage after selecting the crop/plant name, clicking on the "Show Report" button returns the results in a tabulated form as follows:

- The table has a title showing the number of accessions returned as per the selection criteria
- Results are arranged in as many columns as the number of descriptors starting with accession number
- Results are generated in multiple pages with information on twenty rows (accessions) per page

ExperimentNumber	AccPrefix	AccNumber	AccSuffix	TaxoCode	GRW CLS	COT PIG		GRW HAB	DAY SPEM	FIGIEI	FIGIEW	GLUM (
V2937200402UT001200036		519490		10	2		3				1.60	1
V2937200402UT001200036		519491			2		3				1.70	1
V2937200402UT001200036		519492			2			5			1.40	2
V2937200402UT001200036		519493			2						1.70	2
V2937200402UT001200036	EC	519495			2				130.00	21.30	1.70	1
V2937200402UT001200036	EC	519504		10	2		3	5	142.00	24.70	1.70	1
V2937200402UT001200036	EC	519505			2				145.00	23.70	1.70	1
V2937200402UT001200036	EC	528128		10	1		3	7	147.00	18.80	1.70	1
V2937200402UT001200036	EC	541853		10	2		3	5	135.00	19.50	1.10	2
V2937200402UT001200036	EC	541854		10	1		3	7	142.00	16.70	0.80	1
V2937200402UT001200036	EC	541855		10	2		3	5	137.00	20.80	1.50	1
V2937200402UT001200036	EC	541856		10	1		3	7	150.00	14.80	1.10	1
V2937200402UT001200036	EC	541857		10	1		3	7	150.00	16.20	1.40	1
V2937200402UT001200036	EC	541858		10	1		3	7	147.00	20.30	1.30	1
V2937200402UT001200036	EC	541866		10	1		3	7	149.00	21.20	1.30	2
V2937200402UT001200036	IC	240801		10	2		3	5	139.00	21.20	1.90	1
V2937200402UT001200036	IC	278948		10	2		3	5	167.00	19.80	1.60	1
V2937200402UT001200036	IC	278958		10	2		3	5	169.00	19.90	1.60	1
V2937200402UT001200036	IC	278977		10	2		3	5	167.00	23.90	1.50	1
V2937200402UT001200036	IC	278982		10	2		3	5	167.00	15.20	1.40	1





# Help> Tutorial

This is where you are right now!

The objective is not to provide a step by step procedure but to explain each link and page of the Portal.

# Help> Glossary

Explanation for technical terms meant for general users.

# Useful Links>

Users interested in visiting any other PGR databases available world-wide can avail the links on this page.

The links are not exhaustive.







#### Contact us>

Information contained in the PGR Portal is a result of various PGR management activities carried out by specialized Divisions of the NBPGR.

Users desirous to know more about these activities can contact the relevant persons whose contact details are given here.

# Feedback Form>

Users are encouraged to interact with Portal on specific aspects that they wish to comment upon, provide additional information, highlight errors, convey difficulties and collaborate with us in making PGR information accessible to all genuine clientele.

By selecting the query subject area, the feedback is automatically directed to the relevant person in-charge of the activities.

# Terms and Conditions>

Terms and conditions of the access and use, legal compliance, warranties and disclaimer, exclusion of liability, etc. are detailed in this page.

Pertinent terms are defined in the beginning for the purpose of understanding.