

Biodata of Dr. Jaspal Singh Gill, former Director, PAU, Regional Research Station, Bathinda

1. Name (in block letters) : DR JASPAL SINGH GILL
2. Date of birth : 31.08.1954
3. Present address : # 65, Green Field Enclave
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4. Academic qualifications:

Class/	% age of marks	Division	University/Board/Institution	Year of passing
Ph.D (Plant Breeding)	3.43/4.00 68.6%	First	Punjab Agricultural University, Ludhiana	1991
M.Sc (Plant Breeding)	3.50/4.00 70.0%	First	Punjab Agricultural University, Ludhiana	1980
B.Sc Agri. (Hons)	3.32/4.00 71.9%	First	Punjab Agricultural University, Ludhiana	1977
Matriculation	63.3%	First	Punjab School Education Board, Chandigarh	1971

Name and Address of Major Advisor in M.Sc/Ph.D

M.Sc.: Dr G.S. Sandha, Senior Oilseed Breeder (Rtd.), Department of Plant Breeding
Punjab Agricultural University, Ludhiana –141 004

Ph.D.: Dr M.M. Verma, Senior Pulse Breeder & Head (Rtd.), Department of Plant Breeding
Punjab Agricultural University, Ludhiana-141 004

5. Additional qualifications/training acquired :

- i) Attended Winter School on “**Advances in Seed Quality Evaluation**” organized in the Central Seed Testing Laboratory, Division of Seed Science and Technology, IARI, New Delhi from Sept., 5 to Oct., 4, 2001.
- ii) Attended training course on “**Breeding for resistance to Diseases and Insect-Pests in crop plants**” held on May 3-24, 2002 in the Centre of Advance Studies, Department of Plant Breeding, PAU Ludhiana.
- iii) Attended training course on “**Integrated seed development**” held on March 20- 24, 2006 in the Seed Technology Centre, PAU Ludhiana.
- iv) Attended training on “**Integrated disease management in cotton**” organized by central Integrated Pest Management centre, Jalandhar on September 26-27, 2006 at PAU, Regional Station, Faridkot.

- v) Attended “**Training cum Awareness programme on Protection of Plant Varieties and Farmers Right Act- 2001**” on July 23, 2009 organized by the Department of Plant Breeding and Genetics, PAU, Ludhiana at PAU, Regional Station, Faridkot.

6. Date of joining in University (PAU) service: **04.09.1982**

7. Date of joining as **professor** or Equivalent in PAU: **04.09.2003**

8. Date of joining Department of Agriculture, Baba Farid College, Bathinda : **02. 08. 2017**

8. **Job responsibilities of the Post held inPAU:**

a. **Research**

- ❖ Development of high yielding, short duration, compact varieties/hybrids of cotton with superior fibre quality and resistant/ tolerant to biotic and abiotic stresses.
- ❖ Creation of new genetic variability for adoption in cotton based cropping systems.
- ❖ Development and evaluation of GMS based hybrids in cotton.
- ❖ Development and evaluation of breeding materials of different segregations generations of cotton.
- ❖ Conducting AICCIP and state breeding trials on cotton.
- ❖ Evaluation of Bt-Cotton hybrids in multi-location ICAR Bt-Cotton trials.
- ❖ Conducting of multiplication trials on Sunflower, Bajra and Oilseed crops.
- ❖ Extending consultancy and maintaining link with state, national and international research and development agencies to accomplish the above mandate.

b. **Teaching:**

- ❖ Teaching of B.Sc. Agriculture classes in the subject of Plant Breeding, Genetics, Seed technology and Crop Botany, Department of Agriculture, Baba Farid College, Bathinda
- ❖ Teaching of M.Sc. Agriculture classes in the subject of Agronomy Department of Agriculture, Baba Farid College, Bathinda

c. **Extension**

Dissemination of improved production and protection technologies developed by PAU to farmers through:

- Participation and arranging exhibitions at farmers’ fields
- Organizing Field Days at Farmer’s Fields
- Organizing Front Line Demonstrations at farmer’s Fields
- Organizing Adaptive Research Trials at farmer’s Fields
- To create awareness among farmers about the sustainable management of natural resources.

d. Seed production:

Production of nucleus, breeder, foundation, certified/truthfully labeled seed of different crop varieties at **PAU, Raja Harinder Singh Seed farm** and at **PAU, Regional Station Faridkot**.

The detail is given below:

Production of Breeder (B/S), Foundation (F/S) and truthfully labeled (TL) seed at PAU, Raja Harinder Singh Seed farm, Faridkot

Crop/Variety	Quantity in (Qtls)							
	1991-92		1992-93		1993-94		1994-95	
COTTON	B/S	F/S	B/S	F/S	B/S	F/S	B/S	F/S
F 414	116.0	144.5	128.0	138.7	1.9	20.6	-	-
F 505	81.5	426.5	158.0	202.0	22.4	148.0	21.0	50.0
F 286	11.0	-	-	-	-	-	-	-
LH 900	-	423.7	-	178.5	-	39.9	-	98.0
LH 1134	-	50.7	-	-	-	-	-	-
F 846	-	-	167.2	302.5	102.2	623.7	121.0	1097.0
F1054	-	-	126.0	117.0	26.0	55.5	77.0	440.5
LD 327	30.0	201.0	39.5	121.5	11.8	25.5	25.5	45.0
LD 491	-	-	-	-	-	-	22.0	-
TOTAL	238.5	1246.4	618.7	1060.2	164.3	913.2	266.5	1730.5

Crop/Variety	Quantity (Qtls)			
	1991-92	1992-93	1993-94	1994-95
WHEAT				
HD 2329	3250.9	2292.2	6113.3	8538.3
PBW 226	395.5	564.0	-	-
PBW138	967.6	1884.1	2212.5	2018.1
PDW215	253.6	-	-	-
HD 2285	123.9	-	-	-
PBW343	-	-	-	695.6
WH 542	-	-	2206.9	39.1
PBW222	-	1526.3	24.6	8.5
CPAN 3004	-	1220.3	114.6	-
TOTAL	4991.5	7486.9	10671.9	11299.6
OILSEEDS				
RL 1359	102.2	-	-	-
RLM 619	146.8	72.4	3.9	-
GSL 1	172.8	104.8	64.8	132.0
TL 15	73.6	50.0	-	-
TMLC 2	24.5	-	-	-
PC 5	-	-	8.4	8.6
TOTAL	519.9	227.2	76.1	140.6

GRAM				
L 550	35.4	41.4	22.0	-
L551	-	-	41.0	41.6
GPF 2	-	-	-	14.4
GL 769	72.2	200.0	63.8	94.4
TOTAL	107.9	241.7	127.6	150.4

Production of Nucleus (N/S), Breeder (B/S) and Truthfully Labeled Seed (TL) seed at Regional Station, Faridkot (Qty. in kg)

Crop Variety / Hybrid	Kind of seed	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	Total
COTTON																	
F 846	N/S	180	359	143	170	200	88	91	120	40	82	65	25.8	110.2	53.5	72.5	1800.0
	B/S	952	260											580	910	250	2952.0
F1378	N/S	140	530	1601	226	74	80	117	120	30	58	60	25.7	59.0	55.0	59.7	3235.4
	B/S	810	248	194										708	1080	250	3290.0
F 505	N/S		330	119	108	125	13				55	52	22.9	29.5	20.0	46.0	914.4
	B/S					140								230	300	50	720.0
F1054	N/S		163	36	88	137	8				36	39	29.9	25.5	18.0	66.0	646.0
	B/S				288	192								617	280	60	1437.0
F 1861	N/S								211	110	129	127	39.3	99.1	57.0	86.0	858.4
	N/S													584	410	50	1044.0
Moti	TL										272	87	84	117	-	-	560.0
PAU626 H	TL											60.6	102	208	76.9	59.0	506.5
MAIZE																	
Vijay	B/S		265		1920												2185
CM 124					70												70.0
MOONG																	
ML613	Br						720										720.0
	TL						985										985.0
ML 267	TL						150										150.0

Grand Total 22073.5

9. **Detail of teaching/research/extension positions held:**

Post	Pay scale(Rs.)	From	To	Name of the Institution
Professor (Agri.) cum Associate Dean	37,400 - 67,000	5.07.2021	4.08. 2022	Department of Agriculture, Baba Farid College, Bathinda
Professor (Agriculture)	37,400 - 67,000	02. 08. 2017	5.07.2021	Department of Agriculture, Baba Farid College, Bathinda
Senior Cotton Breeder cum Director	37,400 - 67,000 + AGP 10,000	1-12-2011	31.08.2014	Punjab Agricultural University, Regional Research Station,Abohar and Bathinda
Senior Cotton Breeder	37,400 - 67,000 + AGP 10,000	01-11-2006	30.11.2011	Punjab Agricultural University, Regional Station, Faridkot
Senior Seed Production Specialist	37,400 - 67,000 + AGP 10,000	04-09-2003	31-10-2006	Punjab Agricultural University, Regional Station, Faridkot
Seed Production Specialist	15,600 - 39,100 + AGP 8000	04-09-1995	03-09-2003	Punjab Agricultural University, Regional Research Station, Faridkot
Seed Production Specialist (Additional charge)	15,600 - 39,100 + AGP 6000	i) 07.09.1992 ii)24.09.1993	09.02.1993 03.09.1995	Punjab Agricultural University, Raja Harinder Singh Seed Farm, Faridkot
Assistant Seed Production Specialist	15,600 - 39,100 + AGP 6000	04-09-1982	03-09-1995	Punjab Agricultural University, Regional Research Station, Faridkot
Agriculture/ Horticulture Inspector	700-1200	12-10-1979	03-09-1982	Department of Agriculture/ Horticulture, Punjab

10. **Administrative experience:**

- ✓ Associate Dean, Department of Agriculture, Baba Farid College, Bathinda since July, 2021
- ✓ Director, Punjab Agricultural University, Regional Research Station,Abohar and Bathinda from 1-12-2011 to 31.08.2014 (**2 years 9 months**)
- ✓ Incharge Cotton section (AICCIP main centre), PAU, Regional Station, Faridkot from 1-11-2006 to 30.11.2011(**5 years**)
- ✓ Farm Manager at PAU, Regional Station, Faridkot from September, 1982 to January,1988 and August,1995 to July, 2003 (**14 years**)

- ✓ Additional charge of Seed Production Specialist at PAU, Raja Harinder Singh Seed Farm, Faridkot, from 07.09.1992 to 09.02.1993 and 24.09.1993 to 03.09.1995 (**Two and half years**)
- ✓ Co-ordinator of the Indo-Ohio state university joint project on "Sustainable Management of Natural Resources" from April, 2002 to March, 2005 (**3 years**)

11. Teaching/research/extension/contributions:

a. Teaching:

- Teaching of B.Sc. Agriculture classes in the subject of Plant Breeding, Genetics, Seed technology and Crop Botany Department of Agriculture, Baba Farid College, Bathinda
- Teaching of M.Sc. Agriculture class in the subject of Agronomy Department of Agriculture, Baba Farid College, Bathinda

b. Research:

I. Varieties developed and released: 17

Cotton:	F 505	(1986)	
	F 846	(1992)	
	F 1054	(1992)	
	F 1861	(2002)	
	Moti	(2004)	
	PAU 626H	(2007)	
	LH 2076	(2008)	
	FDK 124	(2010)	Zonal Level (North)
	F2164	(2012)	„
	LH 2108	(2012)	„
	FHH 141	(2012)	„
	FMDH 8	(2012)	„
	F 2228	(2014)	„
	LD 949	(2014)	„
	FMDH 9	(2014)	

F2383 (2015)

Bajra: PBC 164 (2003)

II. Varieties tested and released: 22

Cotton:	LHH 144	(1998)
	RCH 134 Bt	(2005)
	RCH 317 Bt	(2005)

MRC 6301Bt	(2005)
MRC 6304 Bt	(2005)
RCH 308 Bt	(2008)
RCH 314 Bt	(2008)
MRC 7017 BGII	(2010)
MRC 7031 BGII	(2010)
Ankur 3028	(2012)
NCH 855	(2012)
RCH 650BG II	(2013)

Sunflower:

SH 3322	(1997)
PAC 302	(2001)
DK 3890	(2001)
PSFH 118	(2002)
SH 88	(2002)
PSH 569	(2008)
PSH 996	(2010)

Raya	PBR 210	(1994)
Bajra	PHB 2168	(2006)
Guar	HG 365	(2013)

III. Ad-hoc Research projects: PI/Co-PI of the following ad-hoc projects: 8

- Development of superior fibre quality, early maturing and high yielding varieties of American cotton (CCI – 1996 to 2000)
- Quantitative and qualitative improvement of cotton seed oil (ICAR-2000-01to 2006-07)
- Indo-Ohio state university joint project on "Sustainable Management of Natural Resources"(2001-02 to 2004-05)
- Development of tetraploid cotton cultivars with high fibre quality and resistance to drought and biotic stresses (ICAR-2003-04 to 2006-07)
- Development and promotion of Bt transgenic cotton for bollworm resistance (ICAR 2007-08 to 2008-09)
- Identification of *G. hirsutum* genotypes suitable for machine picking and development of agronomic package (ICAR 2007-2012)
- Identification of consistent QTLs for fibre quality traits in cotton (*Gossypium* spp.,) based on two mapping populations and four environments (DST 2011-2014)
- Design and development of cotton picking (DST 2010-2013)

c. Extension:

Activity	Number	Year/date
1. Team member of land to lab programme		
Awareness camps to sensitize marginal and land less farmers of Ajit Gill and Vara Daraka villages of Faridkot district about crop cultivation and to adopt subsidiary occupations.	7	1985-86
2. Mass contact programme		
District level training camps for <i>kharif</i> and <i>rabi</i> crops	21	1983 - 2010
Kisan Mela at PAU, Ludhiana for <i>kharif</i> crops	19	March, 1983-2010
Kisan Mela at PAU, Ludhiana for <i>rabi</i> crops	16	Sept., 1983-2010
Kisan Mela at Regional Station, Bathinda for <i>kharif</i> and <i>rabi</i> crops.	18	March, 1983-2010
Agricultural officers Workshops for <i>kharif</i> and <i>rabi</i> crops	31	March, 1983-2010
Participated and delivered a lecture on cotton crop in the cotton field day at village Killianwali, Ferozepur.	one	17.8.95
Participated and delivered a lecture in the field day at village Kothe Mour, Faridkot.	one	26.3.2002
Participated and delivered a lecture in the field day at village Sadiq, Faridkot.	one	27.2.2003
Arranged training on IPM in cotton at RS, Faridkot	one	16.09.2004
Participated in the cotton field day at village Chak Khosa, Ferozepur.	one	12.10.2004
Organized Field day cum seminar on "Organic farming" in village Bargari, Faridkot	one	27.10.2004
Delivered a lecture on cotton crop w.r.t. IPM orientation training programme at KVK, Faridkot.	one	27.09.2006
Delivered a lecture on cotton crop at cotton field day at Singhwala organized by KVK, Moga	one	26.10.2007
Participated and delivered a lecture on improved varieties of cotton in farmer training camp arranged by CCI, Bathinda	one	21.03.2007
Delivered a lecture on cotton crop at cotton field day at village Nagal, Faridkot organized by Vardhman Group of Textile Mills Ltd.	one	2.10.2007
Arranged training on development and strengthening of agricultural marketing infrastructure at Regional Station, Faridkot.	one	23.2.2008
Attended Production and productivity of cotton training camp at KVK, Regional Station, Faridkot.	one	8.10.2008
Attended training camp on management of mealy bug at KVK, Regional Station, Faridkot.	one	4.11.2008
Attended and participated in Scientific Advisory Committee	one	18.11.2008

Meeting at KVK, Regional Station, Faridkot.		
Arranged Exhibition on improved crop varieties on Baba Sheikh Farid Agman Purab in Faridkot.	one	22.09.2010
Attended demonstration on mechanical picking of cotton organized Monsanto (India) at cotton breeding station, Abohar	one	28.10.2010
3. Adaptive research trials and front line demonstrations (FLDs).		
Conducted adaptive research trials and front line demonstrations (FLDs) on Cotton, Bajra and Oilseed crops	ART : 352 FLDs: 631	1991 - 2010
4. Demonstration on hybrid seed production of cotton		
Demonstration on hybrid seed production of cotton in villages Tarkhanwala, Varadraka, Machakki and Chahal in Faridkot	4	1995-96
Training on hybrid seed production of cotton held at KVK, Ferozepur.	one	24.09.2003
Demonstration on hybrid seed production of GMS based <i>desi</i> cotton hybrids at RS, Faridkot from	4	2003-2006, 2008-09
5. Radio Talks (broadcasted by All India Radio Bathinda in “ <i>Kisan vani</i> ” programme)	7	2004-2010
<ul style="list-style-type: none"> ▪ Kheti layi jaroori kudrati sarotan di sambhal kion te kivan. on 18.11.2004 ▪ Punjab vich organic kheti da bhavikh. on 04.04.2005 ▪ Narme Kapah dian sudhrian kisma ate suchaji Kashat on 23.03.2009 ▪ Narme/Kapah ton wad jhar lian lai jaroori nukte on 15.04.2009 ▪ Narme/Kapas dian doglian kisma da beej bnaun di widi bare jaroori jankari on 3.07.2009 ▪ Narme/kapas dian sudrian kisma ate suchaji kashat. on 31.03.10 ▪ Narme/kapas dian sudrian kisma ate unah di suchaji kashat sabandhi on 14.04.10 		

Publications

Research publications in referred Journals:

97 Annexure -A

Extension publications (Popular articles) :

27 Annexure -B

Total

124

12. Appreciation letters

- From marketing point of view, the **American cotton variety F 505** was considered the best in the world due to their superior fibre quality. This was conveyed by Dr M S Gill, IAS, Financial Commissioner Development, Government of Punjab. Vide D.O.No.PA.FCD.-87/568 dated 14.10.87.
- Appreciation letter from **Director of Research, PAU Ludhiana** during his visit on 13th September 2000 to PAU, Regional Station, Faridkot.
- Appreciation letter from “**VARDHMAN group of Spinning and General Mills Ltd**”. for being instrumental in extension activities through **village cluster adoption programme** for improving production and productivity of cotton in Punjab for the year 2005.

- **Chaudhary Devi Lal Outstanding All India Co-ordinated Research Project (AICRP) Award for the year 2006** was presented to All India Co-ordinated Cotton Improvement project for outstanding contribution in the field of Co-ordinated Research on Cotton.
- The paper entitled “Identification of *G. hirsutum* genotypes suitable for machine picking” by J.S.Gill, Pankaj Rathore and R.K.Gumber has been awarded **Second position** among crop improvement poster session in National conference on “**Paradigm shift in cotton Research and Cultivation**” held at Navsari Agricultural university, Surat from 19th to 21th October, 2010.
- Two appreciation letters for above **90% University Academic Results** issued by Principal, Baba Farid College, Bathinda

13. Membership of Scientific Societies/ Committees etc.

- ❖ Life member of the Crop Improvement Society of India, PAU, Ludhiana
- ❖ Member Indian Society of Genetics and Plant Breeding, IARI, New Delhi
- ❖ Member Cotton Research and Development association, HAU, Hissar

14. (I) National/ International Symposia/Conferences Attended: 20

- 1) First symposium on Crop Improvement, held at PAU Ludhiana (Feb. 23-27, 1987)
- 2) Heterosis Breeding in Crop Plants- Theory & Applications held at PAU Ludhiana (Feb. 23-24, 1993)
- 3) Seminar on R&D Linkages and feed back in agriculture at PAU RRS, Faridkot (July 7, 1993)
- 4) National Seminar on Cotton: Perspectives on quality and development under the auspices of PAU and North India Textile Mills Association (Dec.12, 1993)
- 5) International Symposium on Pulses Research and Development at New Delhi (April 2-6, 1994)
- 6) National Seminar on New Vistas in Crop Improvement organized by Crop Improvement Society of India held at PAU Ludhiana (Feb. 21-23, 1996)
- 7) Third Agricultural Science Congress organized by National Academy of Agricultural Sciences at PAU Ludhiana (March 12-15, 1997)
- 8) Seminar on cotton: Alumni association of PAU (March 17, 1997)
- 9) Diamond jubilee International Symposium Hundred Years of Post Mendelian Genetics & Plant Breeding- Retrospect & Prospects held at IARI, New Delhi (November 6-9, 2001)
- 10) CIRCOT calibration cotton users meet organized by CIRCOT, Muntanga, Bombay at PAU Ludhiana. (March 2002)
- 11) Seminar on “Awareness of judicious use of water –Elixir of life.” organized by ATMA project, Faridkot. (June 9, 2004)
- 12) Seminar on “Organic farming” under “Sustainable Management of Natural Resources” project at Bargari, Faridkot (Oct. 27, 2004)
- 13) 3rd dialogue meeting of protection of plant varieties & Farmers Right Authority meeting and brain storming session on PPV FR Act at PAU Ludhiana (March 7, 2006)
- 14) Attended National Seminar on Seed Pathology and participated in poster session on 13.07.2007 held at PAU, Ludhiana
- 15) Attended National consultation on mealy bug management on 28.01.2008 and 29.01.2008 at CICR, Nagpur.

- 16) Attended seminar on “Recent trends in Agriculture” at Baba Farid Institute of Higher Studies and Foreign Languages at Bathinda on May 30, 2009
- 17) Participated in “Brain storming session on development of cotton picker” organized by ICAR in collaboration with New Holland Tractors Pvt. Ltd., Noida on June 3, 2009
- 18) Participated in National Symposium on Bt Cotton: Opportunities and Prospects organized by Cotton Research and Development Association (CRDA) at Nagpur from November 17-19, 2009.
- 19) Attended National Conference on “Paradigm shift in cotton Research and cultivation” held at NAU, Surat from 19-21 October, 2010
- 20) 2nd International Conference on "Food Security, Nutrition & Sustainable Agriculture-Emerging Technologies” was organized by Baba Farid College in collaboration with IIFPT from 14-16 February, 2019

(II) Workshop/Group meetings:

- 1) Annual Group Meeting of AICCIP at TNAU, Coimbatore (April 3-5, 2003)
- 2) Workshop on TMC MM1.4 project improvement of cottonseed oil held at PAU, Regional Station Faridkot (March 9, 2004)
- 3) Project design workshop on “Community managed Sustainable use of Natural Resources of India” held at NAAS New Delhi (Jan, 28-31, 2005).
- 4) Annual Group Meeting of AICCIP at RAU, Agricultural Research Station, Sri Ganganagar from April 7-9, 2005
- 5) Annual Group Meeting of AICCIP at UAS Dharwad (April 6-9, 2006)
- 6) Regional workshop on “Safety Assessment and Regulation of Genetically modified field crops at PAU, Ludhiana (June 2-3, 2006)
- 7) Annual group meeting of TMC (MM –II) projects at CICR, Coimbatore (March 1-3, 2007), under mini mission on cotton technology.
- 8) Attended Annual Group Meet of All India Coordinated Cotton Improvement Project and TMC MM 1.3 Annual Review Meeting from 09.04.2008 to 11.04.2008 at PAU, Ludhiana
- 9) Attended and Presented Progress report of “Identification of *G. hirsutum* genotypes suitable for machine picking and development of agronomic packages.” Project in Annual Review Workshop of Technology Mission on Cotton (TMC MM 1) projects held on 22.07.2008 and 23.07.2008 at CICR, Regional Station, Coimbatore.
- 10) Attended Annual Group Meeting of All India Coordinated Cotton Improvement Project at ANGRAU Hyderabad from 6.04.09 to 8.04.09.
- 11) Attended Annual Group Meeting of All India Coordinated Cotton Improvement Project at MPUA&T, Udaipur from 8.04.10 to 10.04.10.
- 12) Attended Annual Review Workshop of TMC MM 1 projects held at CICR, Nagpur on 18 January, 2011.

15. Other information than above.

- Coordinated experiments under ATMA project at RS, Faridkot from 2003-2005

- Attended Review committee meeting of “Sustainable Management of Natural Resources” project at MSSRF-Chennai (Feb. 2-10, 2004)
- Chairman of the committee for monitoring of AICCIP and ICAR Bt. Cotton trials in December, 2007 in Tamil Nadu and in October, 2008 in the states of Haryana and Rajasthan.
- Member of Agro- advisory board for preparing Agro- advisory bulletin for Faridkot and Ferozepur districts under the scheme Establishment of New Agromet Field Unit at Faridkot by IMD, Chandigarh.
- Member of selection committee for the selection of field scouts and District project officer for “National Information System for pest management” project on Bt cotton at R.S. Faridkot.
- Member of selection committee for the selection of Technical Officer in the scheme Establishment of New Agromet Field Unit at Faridkot by IMD, Chandigarh

Dated: 19.01.2024

Signature
Dr. Jaspal Singh Gill

Annexure -A

List of Publications

1. Kalsy, H.S., H.R. Garg and J.S. Gill. 1986. Semigraphical analysis in Upland cotton (*Gossypium hirsutum* L.) Crop Improv. 13: 186-88
2. Kalsy, H.S., T.H Singh, H.R. Garg, L.S.Randhawa, G.S Chahal, B.M.Vithal, P.S Nagi, J.S.Gill and P.L. Tikku.1992. F 846-A high yielding variety of American cotton. J. Res. Punjab agric. Univ.29:171
3. Kalsy, H.S., T.H Singh, H.R. Garg, L.S.Randhawa, G.S Chahal, B.M.Vithal, P.S Nagi, J.S.Gill and P.L. Tikku.1992. F 1054-A Short durationong variety of American cotton. J. Res. Punjab agric. Univ.29:172
4. Kalsy, H.S., H.R Garg, P.K. Rathore and J.S Gill.1994. Heterosis, combining ability and parent offspring relationships in Upland cotton (*Gossypium hirsutum* L). J. Cotton Res. & Dev. 8: 67-73.
5. Gill, J.S. M.M., Verma, R.K. Gumber and J.S. Brar.1995. Assessment of genotype – environmnt interections in mungbean lines derived by four selection methods. Crop Improv. 22: 81-86
6. Gill, J.S. M.M., Verma, R.K. Gumber and J.S. Brar.1995 Comparative efficiency of four selection methods for deriving high yielding lines in mungbean(*Vigna radiata* (L.) Wilczek) Theor Appl Genet.90:554-560
7. Gill, J.S., M.M., Verma, R.K. Gumber and Balwant Singh.1995. Character association in mungbean lines derived from three intervarietal crosses of mungbean. Crop Improv..22: 255-260
8. Gumber, R.K., S. Singh, J.S.Gill and P.K. Rathore. 1995.Genetic distance, combining ability and heterosis in chickpea.SABRAO JOURNAL.27:35-38
9. Kalsy, H.S., H.R, Garg, P.K. Rathore and J.S.Gill. 1995. Genetic divergence and heterosis in American Cotton. Crop Improv. 22: 232-236
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Annexure III -B

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ਲਈ ਨੰਬਰ
Serial No. 13896



ਰੋਲ ਨੰਬਰ 283527
Roll No.

ਪੰਜਾਬ ਸਕੂਲ ਸਿੱਖਿਆ ਬੋਰਡ

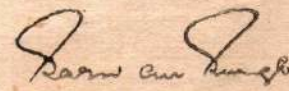
ਮੈਟ੍ਰਿਕ ਪ੍ਰੀਖਿਆ

ਪ੍ਰਮਾਣਿਤ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਜਸਪਾਲ ਸਿੰਘ ਗਿੱਲ,
ਪੁੱਤਰ/ਪੁੱਤਰੀ ਸ੍ਰੀ ਗੁਰਦੇਵ ਸਿੰਘ ਗਿੱਲ ਨੇ
ਸਰਕਾਰੀ ਗੋ. ਸਕੂਲ: ਹਾਈ ਸਕੂਲ, ਆਲਮਵਾਲਾ (ਫਿਰੋਜ਼ਪੁਰ) ਤੋਂ
ਇਸ ਬੋਰਡ ਦੀ ਮੈਟ੍ਰਿਕ ਦੀ ਮਾਰਚ 1971 ਵਿਚ ਹੋਈ ਪ੍ਰੀਖਿਆ ਛੇ ਮਸ਼ਮੂਨਾਂ
ਵਿਚ 570 ਨੰਬਰ ਪ੍ਰਾਪਤ ਕਰ ਕੇ ਪਹਿਲੇ ਦਰਜੇ ਵਿਚ ਪਾਸ ਕੀਤੀ।
ਜਨਮ ਮਿਤੀ ਇੱਕਤੀ ਮਾਰਚ ਇਕ ਹਜ਼ਾਰ ਨੌਂ ਸੌ
ਤਰ੍ਹੰਗੇ (31-8-1954)

Punjab School Education Board Matriculation Examination

Certified that Jaspal Singh Gill,
son/daughter of Shri Gurdev Singh Gill, and of
Govt. Co-Edu. High School, Alamwala (Ferozepur), passed
the Matriculation Examination of this Board held in March, 1971,
in six subjects obtaining 570 marks in the First Division.
Date of Birth Thirty-first August, One Thousand
Nine Hundred and Fifty-four (31.8.1954)

CHANDIGARH
December 6, 1971


SECRETARY

Punjab Agricultural University

Admission No. L-72-A-44-BV



Given under the seal
of the University

Certified that Jaspal Singh Gill ;
son of Shri Gurdeb Singh Gill ,
has obtained the degree of Bachelor of Science
in Agriculture (Honours in Crop Sciences)
having successfully completed the programme
for this degree in June 1977.

Ludhiana, February 24, 1978

Lampet Sharm
Registrar

A. S. Cheema

Vice-Chancellor

J. L. Hansi

Chancellor

Punjab Agricultural University

Admission No. L-77-A-60-M



Certified that Jaspal Singh Gill
son of Shri Gurdev Singh Gill
has obtained the degree of Master of Science
having successfully completed the programme for
this degree in July 1980.

Given under the seal
of the University

Ludhiana May 5, 1981

S. Kharkana

Registrar

U. Chaur

Vice-Chancellor

J. L. Hazle

Chancellor

Punjab Agricultural University

Admission No. L-87-A-24-D



Given under the seal
of the University

Certified that Jaspal Singh Gill
son of Shri Gurdev Singh Gill
has obtained the degree of Doctor of Philosophy
having successfully completed the programme
for this degree in October 1991.

Ludhiana, December 20, 1991

Jaspal Singh Gill
Registrar

[Signature]
Vice-Chancellor

[Signature]
Chancellor