

Brief Profile of Dr. G.R. SINGH



1. Name : **Dr. G.R. SINGH**
2. Designation : **Associate Director (Agril. Engg.)**
3. Date of Birth : 02.09.1958
4. Mailing Address : Dr. G.R. Singh, Associate Director (Agril. Engg.)
Deptt: Agril. Engg. & Food Technology, Sardar Vallabhbhai
Patel University of Agriculture & Technology, Meerut-250110
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(A) Educational Qualifications:-

- Ph.D. (Agricultural Process & Food Engg.), M. Tech (Farm Machinery & Power Engg.), B.Sc. (Agricultural Engineering) ,All degree in First Division.

(B) Experience Gained (Employment Details):-

- Associate Director (Agril. Engg.) at SVP Univ. of A&T Meerut, Since 01.08.2008 to Continue (Scale Rs. 37,400.00 to 67,000.00) ,(AGP- Rs. 10,000.00)
- Subject Matter Specialist (Agril. Engg.), at G.B.P.U. of A & T Pantnagar, Since 01.02.1989 to 01.08.2000, Scale Rs. 15,600.00-39,100.00, 11 years & 6 Month,
- Quality marking Inspector (Agril. Machinery) Haryana Government, Since 01.09.1982 to 31.01.1989, 6 years & 5 Months.

(C) Work Performed:-

1. Teaching to U.G. & Ph.D.

1. B.Sc. (Agri) hon's farm machinery & power Engg, AET-310
2. Ph.D. (AP&FE), instrumentation & Process control, AET-730
3. Ph.D. (AP&FE), Advance Storage Engg. AET-750
4. Ph.D. (AP&FE), Advances in drying of food material, PFE- 604
5. Ph.D. (AP&FE), Agri. Wastes & by Product utilization, PFE-605

2. Trainings Imparted to farmers, Extension scientists & officers of agri. Department

(>280 Nos)

Some of the important trainings are as under:-

1. Selection, care & Maintenance of sprayer, venue- Shahbad, Date- 25-07-2001, Days-1, No. of parti. 12, Category of parti- Farmers & Extension officers
2. Selection, Care & Maintenance & Methods of fuel saving, venue- Shahbad, Date-21-11-2001, Days-1, No. of parti. 15, Category of parti- Farmers
3. Use, Advantage and Technical know how of Modern system of Irrigation Viz-Drip & Sprinkler Irrigation systems, venue- Loha, Date-26-11-2001, Days-1, No. of parti. 19, Category of parti- Farmers
4. Periodical Maintenance of Tractor and Methods of Fuel saving, venue- Khairulla Nagar , Date-13-12-2001, Days-1, No. of parti. 15, Category of parti- Farmers
5. Kinds, selection, safety devices and precautions of a Power Wheat Thresher, venue- Rampur, Date- 08-02-2002, Days-1, No. of parti. 12, Category of parti- Farmers

3. Demonstrations Conducted on Agri. Implements and crops on Farmers Field:

(>360 Nos)

Some of the demonstrations conducted are as under:

1. Sri Darshan Singh S/o Shri Teja Singh, Village: Nayamat Nagar, Date of sowing-12.11.03, Crop-Wheat, Area (Acres) 14.00
2. Sri Kuldeep Singh S/o Guru Dev Singh, Village: Jiwai Kadeem, Date of sowing-29.10.03, Crop-Wheat, Area (Acres) 13.00
3. Sri Mahendra Pal S/o Sri Daal Chand, Village: Majra Brijpur, Date of sowing-14.11.03, Crop-Wheat, Area (Acres) 5.00
4. Sri Ranjeet Singh S/o Sri Harbant Singh, Village: Jiwai Kadeem, Date of sowing-14.11.03, Crop-Wheat, Area (Acres) 8.00

5. Sardar jarnail Singh S/o Sri Jagan Singh, Village: Jiwai Kadeem, Date of sowing-15.11.03, Crop-Wheat, Area (Acres)11.00
4. **Radio Talks broad casted from All India Radio & E. T/V Programme Rampur:** (>20 Nos)
Some of the radio talks broadcasted on AIR are as under
1. Method of sowing wheat crop by seed dill, Recording date- 20.10.03
 2. Care & Maintenance of Agri. Implements, Recording date- 27.08.01
 3. Modern Implements of sugar cane sowing, Recording date-19.02.02
 4. How to care agriculture implements in rainy season, Recording date-26.07.04
 5. Attention & care while operating a thresher, Recording date-17.04.05
5. **No. of News in Press media for Transfer of Modern Technology to Peasants, Officials & Officers** (>280 Nos)
Some of the news in press media are as under:
1. National Children's Congress, Pollution in Food materials, News paper-Dainik jagan, Date- 20 Oct. 2003, Page-4
 2. Kinds of Sprayer, care & maintenances, safety precautions, News paper-Dainik jagan, Date- 07 Sept. 2003, Page-6
 3. Care & Maintenances of Agri. Implements as Tractors & pumping set, News paper-Dainik jagan, Date- 06 Sept. 2003, Page-6
 4. Methods of Diesel saving, know how about soil water management, News paper-Dainik jagan, Date- 18 Dec. 2003, Page-6
 5. Knowhow of soil & water conservation, Drip and sparkler irrigation, News paper-Dainik jagan, Date- 30 Dec. 2003, Page-2
6. **No. of Leaf lets /Pumphlets Published for Transfer of Technology:** (3 Nos)
1. Selection, Installation, Care & Maintenance of Diesel Engine Pumping set
 2. Kinds of Thresher, Safety devices and Precautions while Purchasing and operating.
 3. Uses and advantages of Combine Harvester.
7. **Scientific Advisor of Magazine namely:-** (1 No)
"Paryavaran Darshan"Sanctioned & acknowledged by Pollution Control Board of India, for the benefits of Public to Minimise & control Pollution. Tilak Nagar Colony, Rampur, U.P. since 05.11.2006, Membership no- 301
8. **Award Received from Government & other organisations:** (3 Nos)
For excellent work and good achievements for Transfer of Technology for awarding the Public & Officials
1. "Paryavaran Suraksha Award," for the year 2004 for excellent and good achievement in Pollution control and Environmental Awareness Award by Joint Secretary, Food Preservation, Govt. of U.P. Paryavaran Kalyan Samit Registered by U.P. Govt.
 2. "Science Awareness Award", : 2005, Awarded by District Science club Rampur (U.P.), for profound Co-operation and good achievements in science awareness through different Programmes organised since 1992 with District Science club, Rampur (U.P.) India., Deptt. C.S.T, Vigyan Bhawan, Nabi ullah Road, Lucknow U.P.
 3. "Plantation & seminar on pollution control and environmental awareness Award" for the year 2005, on 2ndOctober 2005, for excellent activities & achievements. Awarded by "CARE Education & welfare society", Registered & recognized by U.P. Government.
9. **Certificates of Honour Received :-** (8 Nos)
(For huge Participation, Co-operation, excellent work and profound achievements.)
1. Awarded by "SIR SYED" Group of Education for Plantation, Pollution, Pollution Control and Environmental Awareness on the Occation of 136th Birth anniversary of **Father of the Nation "Mahatma Ganddhi"** on 2nd October 2005 at Sir Syed Public School, Rampur (U.P.).
 2. Awarded by U.P. State Co-ordinator of National Children's science Congress at Maharishi Vidya Mandir College, Rampur (U.P.) as a member of Judgement Committee for N.C.S.C. Competition on 13.11.2005.
 3. Awarded by Chairman, Uttar Pradesh Gramodhyog Vikas Sansthan, Milk Kaaji, Swar, Khadi Bhawan, District Rampur (U.P.) on 28.01.2005. for good work in science in District Rampur & moradhabad.
 4. Awarded by U.P. State General Secretary, NCSE, Uttar Pradesh on the eve of National Children's Science congress for being member of Moradabad Zonal Group of Judges at Said Nagar, Block H.Q. of Distt Rampur, U.P. on 09.02.2005

5. Awarded by U.P. State Co-ordinator of “National Children’s Science Congress” National Science & Technology Board, Deptt. of Science & Technology, Govt. of India, competition occurred from 14.3.2005 to 21.3.2005 at Narpat Nagar, Block H.Q. Swar District Rampur (U.P.).
 6. Awarded by U.P. State Programme Officer and Co-ordinator of “National Children’s Science Congress” as a member of Judgement Committee at Maharshi Vidya Mandir college, Distt Rampur. (U.P.) on 07.11.04.
 7. Awarded by President (Chairman), “Paryavaran Suraksha Forum”, U.P. Government Distt Rampur, U.P. for celebration of Suraksha week (Since 5 June 2004 to 12 June 2004) (8 days Programme)
 8. Awarded by Zonal & U.P. State Co-ordinator of “National Children’s Science Congress” department of Science & Technology, U.P. under Government of India, as a Chief District & Zonal Judge at District H.Q. Rampur, (U.P.) on 19.10.2003
10. **Popular Articles Published for extension & development work for:-** (>450 Nos)
Some of the popular articles published in magazines are as under
1. Technical knowhow of Tractor components, Magazine: Kheti Dunia, Patiala (PB), 12.10.2002, Page-8
 2. Care & Maintenance of tractor, Magazine: Kheti Dunia, Patiala (PB), 07.12.2002, Page-9
 3. Keep the tractor away from accident/Death, Safety from Tractor accident is necessary, Magazine: Kheti Dunia, Patiala (PB), 21.12.2002, Page-7
 4. Main Considerations (Points) While purchasing a Tractor, Magazine: Kheti Dunia, Patiala (PB), 06.09.2003, Page-30
 5. How to save Diesel from your tractor, Magazine: Kheti Dunia, Patiala (PB), 20.9.2003, Page-16
11. **Technical Books written:-** (3 Nos)
1. “Diesel Engine Pumping set Marg Darshika”. (Selection, installation, various systems, care & maintenance & fuel saving) from the funds of FLD on improved agricultural implement project, CIAE (ICAR) Bhopal., Printed by industrial press Co- operative society LTD, Rampur (U.P.)
 2. “Care and Maintenance of Diesel Engine Pumping set”. Publisher krashak Doot, Bhopal (M.P.)
 3. Operation, care & maintenance of tractor, Publisher Krishak Jagat, Press complex, M.P. Nagar Bhopal (M.P.)
12. **Extension Project Dealing as a Principal Investigator: -** (1 No)
“F.L.D. on improved Agricultural Machinery for oil seed & Pulse crops. Financed by: C. I. A.E. Bhopal (M.P.) (A premier Institute of I.C.A.R., New Delhi).
13. **Abstracts & Research Papers published in journals & Magazines : -** (20 Nos)
- (a) **Abstracts** (Some of the abstracts are as under)
1. Prospects of utilization of solar Energy
 2. Causes of Failure of Gobar Gas plants
 3. Solar Water heater: A Device for energy saving
 4. Advancement in Technology for Biogas Production
 5. Need and Prospects of wind Energy
- (b) **Research Papers** (Some of the research papers are as under) (7 Nos)
1. The Effect of low cost Rice Husk Insulation material on slurry Temperature of Biogas Plants
 2. Economic Analysis of Naturally ventilated Greenhouse for Tomato Production
 3. Application of intermittent irrigation by water pressure for Vegetable crops
 4. Automatic control of mist irrigation by hydraulic pressure
 5. The Automatic Control of mist irrigation by Hydraulic Pressure for future needs of crops
14. **Membership of magazine & journals :** (4 Nos)
1. Life Member, Indian society of Agricultural Engineering (ISAE), Society Block, NASC Complex, Pusa Campus, New Delhi, since 30.10.2006., Membership No- LM-10263
 2. Life Member, Patron and Scientific Advisor., Paryavaran Darshan Magazine, Tilak Nagar Colony, Rampur, U.P. since 05.11.2006, Membership no- 301
 3. Life Member, society for “recent development in Agriculture; Progressive agri., international journal” chief editor Dr. Bijendra Singh, Head Quarter S.V.B.P. University of Agriculture & Tech. Meerut (U.P.)
 3. Life member; “Meerut Engineers Association” Meerut (U.P.) Membership No- 483, W.e.f. 10.08.2011
15. **Success stories written for income generation & livelihood:** (4 Nos)
(Trainings were imparted, adopted the technology & set up the own business by farmers & mechanics)
1. Success story of a poor and helpless engine mechanic, Name- Shri Amar pal S/o Shri Ram Swaroop, Village- Brijpur, Tahsil-Milak, District- Rampur (U.P) (Flourishing & generating income)
 2. Success story of a poor motor mechanic, Name- Shri Ranjeet Singh S/o Shri Moti lal, Village- Devali Khurad, Post- Dhamora, District- Rampur (U.P) (Flourishing & generating income)

3. Success story of a poor farmer, who purchased a bullock drawn seed drill, Name- Shri Udai Ram S/o Shri Shyam lal, Village- Madaiya Ballu, Post- Shahbad, District- Rampur (Flourishing & generating income)
4. Success story of a diesel engine mechanic, Name- Shri Anandi Prashad S/o Shri Babu Ram Village- Saed nager, Post- Dhamora, Tahsil-milak, District- Rampur (Flourishing & generating income)
16. **Symposium, Seminar, conference, refresher course & workshop attended** (>20 Nos)
Some of Sy/Sem/Conf/Ref. Cou/Workshop are as under
 1. State level training and refresher course on “soil and water management” at Sardar Vallabh Bhai Patel University of Agriculture and technology, Modipuram, Meerut. 27.11.06 to 02.12.06, (7 days),
 2. Winter School on “Wear characteristics and selection of materials for agriculture implements” at central institute of agri. Engg (CIAE) Bhopal (M.P.), (4-24) Sep 2001, (21 days),
 3. “Motor Winding and maintenance of electric motor used for irrigation purpose”, at Krishi Vigyan Kendra, Rampur, U.P. (1-22).02.2004, (22 days) (Income generating training)
 4. “Repair & maintenance of Diesel engine and pumping set”, Assembling & disassembling & identification of components at Krishi Vigyan Kendra, Rampur, (U.P.), (1-21).02.2005 (21 days), (Income generating training)
 5. “Operation repair & maintenance of Diesel engine and pumping set”, Krishi Vigyan Kendra, Rampur, U.P. (2-15).2.2004, (14 days), (Income generating training)
17. **No. of Employment Generating Trainings Imparted:** (4 Nos)
After taking Training some of the participant started the profession
 1. Repair, Maintenance & Rewinding of Electric Motor, Venue- KVK Dhamora, Date-(16-29)12.2005, (Days- 14) No of participants- 10
 2. Care, Repair & maintenance of Diesel Engine Pumping set, Venue- KVK Dhamora, Date-(2-22) 02.2006 (Days- 21) No of Participants- 10
 3. Operation, repair & maintenance of Diesel engine & pumping set, Venue- Dhamora, Rampur, Date- (2-15).2.2004 (Days-14), No. of Participants-11
 4. Motor winding & maintenance of electric motor, Venue-Dhamora, Rampur, Date- (1-22).11.2004 (Days-22) No. of Participants-16

(Dr. G.R. Singh)