

## PROJECTS UNDER TECHNOLOGY TRANSFER FUNDED BY EFS

### A. COMPLETED

Sr.#	Title of the Project/Location	Name of the PI	Duration	Date of Execution	Approved Budget
1.	Use of Sodium Bicarbonate for Optimum Weight Gain of Growing Buffalo Calves and Lambs (Location: Tehsil Toba Tek Singh)	Prof. D. Muhammad Sarwar, Director, Institute of Animal Nutrition & Feed Technology, UAF	Three Years	01.01.08	2.098
2.	Dissemination of Technologies for Profitable Dairying at Farmer's Level (Location: Tehsil Toba Tek Singh)	Dr. M. Qamar Bilal, Assistant Professor, Department of Livestock Management, UAF	Three Years	01.01.08	2.319
3.	Epidemiology of Parasitic Fauna of Domestic Animals of T.T.Singh (Location: Tehsil Toba Tek Singh)	Prof. Dr. Muhammad Nisar Khan Department of Veterinary Parasitology, UAF	Three Years	01.01.08	2.332
4.	Control of Newcastle Disease in Rural Poultry of Tehsil T.T. Singh (Location: Tehsil Toba Tek Singh)	Dr. Muhammad Arshad Associate Professor, Department of Veterinary Microbiology, UAF	Three Years	01.01.08	1.967
5.	Distribution and Management of Root-Knot Nematodes (Meloidogyne spp.) (Location: Tehsil Texila, Rawalpindi)	Dr. Tariq Mukhtar, Associate Professor, Department of Plant Pathology, UAAR	Three Years	01.01.08	1.998
6.	Survey and Management of Mite Pests of Stored Grains in Tehsil Toba Tek Singh (Location: Tehsil Toba Tek Singh)	Dr. M. Hamid Bashir Assistant Professor, Department of Agri. Entomology, UAF	Three Years	01.01.08	2.174
7.	Demonstration of Light Equipped Power Insect Killer (LEPIK Technology) for mechanical insect pest control in croplands (Location: Tehsil Toba Tek Singh)	Prof. Dr. Rashid A. Khan Department of Forestry, Range Management and Wildlife, UAF	Three Years	01.01.08	2.243
8.	Improving water use efficiency in cereals through ACC-deaminase biotechnology (Location: Tehsil Toba Tek Singh)	Prof. Dr. M. Arshad (T.I.) Institute of Soil & Environmental Sciences, UAF	Three Years	01.01.08	2.527
9.	Demonstration of Multi-Nutrients Foliar Feeding technology for Sustainable Crop Production (Location: Tehsil Toba Tek Singh)	Dr. Muhammad Yaseen Associate Professor, Institute of Soil & Environmental Sciences, UAF	Three Years	01.01.08	2.244
10.	Dissemination of Raised Bed Technology to Address Water Shortages in Irrigated Areas (Location: Tehsil Toba Tek Singh)	Prof. Dr. Rai Niaz Ahmad Director, Water Management Research Centre, UAF	Three Years	01.01.08	1.907
11.	Investigating Aquifer Storage and Recovery (ASR) Techniques to Recharge Saline Groundwater at Farmer's Field (Location: Tehsil Toba Tek Singh)	Prof. Dr. Allah Bakhsh Department of Irrigation and Drainage, UAF	Three Years	01.01.08	2.292
12.	Impact Assessment & Evaluation of Projects under FDTTPC Endowment Fund in Tehsil T.T. Singh (Location: Tehsil Toba Tek Singh)	Prof. Dr. Ashfaq Ahmad Maan, Department of Rural Sociology, UAF	Three Years	01.01.08	3.058
13.	Technology Transfer for Using Tube well Water on Salt-Affected Soils for Crop Production (Location: Proka Farms, UAF)	Dr. Ghulam Murtaza, Associate Professor, Institute of Soil & Environmental Science, UAF	Three Years	01.07.08	2.965
14.	Computer Assisted Identification of the Large Ruminants (Location: UAF Campus)	Prof. Dr. Muhammad Younas, Department of Livestock Management, UAF	Three Years	01.07.08	4.204

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15.	Construction of Mobile Communal Dip and Demonstration and Dissemination of its Use for Tick Control <b>Location: Tehsil Toba Tek Singh</b>	Prof. Dr. Zafar Iqbal, Chairman, Department of Veterinary Parasitology, UAF	Three Years	01.01.09	1.862
16.	Controlled Atmosphere Technology For Storage and Export of Horticultural Crops (Duration: 2 years)	Prof. Dr Aman Ullah Malik, Post-harvest Horticulture, Institute of Horticultural Sciences, UAF	Two Years	01.03.09	1.383
17.	Transfer of Pheromone Control Techniques for the Control of Fruit Fly to the Farmers of District Lasbela, Balochistan, Pakistan <b>Location: District Lasbela</b>	Prof. Dr. Abdul Hameed Bajoi Vice Chancellor, Lasbela University of Agriculture, Water and Marine Sciences, Uthal Balochistan	Three Years	01.03.09	1.576
18.	A Rural and Peri-Urban Outreach Mastitis Control Program Focusing on Transfer of Technologies Developed by University of Agriculture, Faisalabad <b>Location: Faisalabad</b> Focus area: Narwala & Surrounding villages	Prof.Dr. Ghulam Muhammad, Chairman, Department of CMS, UAF	Three Years	01.03.09	1.737
19.	Technology Transfer for the Control of Inclusion Body Hepatitis Hydropericardium Syndrome in commercial poultry by the use of improved adjuvanted vaccine produced indigenously <b>Location: Faisalabad</b> Focus area: Narwala & Surrounding villages	Prof. Dr. Iftikhar Hussain, Institute of Microbiology, UAF	Three Years	01.03.09	2.691
20.	Collection and Establishment of Germplasm unit (GPU) of Fruit plants at Square No. 32.	Dr. Saeed Ahmad, Associate Professor, Institute of Horticultural Sciences, UAF	Three Years	01.03.09	0.604
21.	Demonstration of Plant Pathological technologies at U-Road on the Main Campus, UAF	Dr. Nazir Javed, Chairman, Department Plant Pathology, UAF.	Three Years	01.03.09	0.304
22.	Demonstration of technologies developed by the department of agronomy in the University of Agriculture, Faisalabad	Dr. Zahid Atta, Chairman, Department of Agronomy, UAF	Three Years	01.03.09	0.559
23.	Demonstration of Elite Breeding Lines of Different Crops at U-Road in the Main Campus, University of Agriculture, Faisalabad	Prof. Dr. Faqir Muhammad Azhar, Chairman, Department of Plant Breeding & Genetics, UAF	Three Years	01.03.09	0.282
24.	Demonstration of Techno-chemical method for reclamation of hard Layered saline sodic soils	Prof. Dr. M. Shafi Sabir, Dean, Faculty of Agricultural Engineering & Technology, UAF.	Three Years	01.03.09	0.261
25.	Demonstration of farmer friendly equipments developed by department of poultry science	Prof. Dr. Ahsan Ul Haq, Chairman, Department of Poultry Science, UAF	Three Years	01.03.09	0.687
26.	Spring and Winter Flower Exhibition/ Demonstration for Transfer of Technology at UAF (Location: UAF)	Dr. Atif Riaz, Assistant Professor, Institute of Horticultural Sciences, UAF	Three Years	01.03.09	0.555
27.	National Horse and Cattle Show for Farmers Education (Location: UAF)	Prof. Dr. M. Younas, Dean, Faculty of Animal Husbandry, UAF	Three Years	01.03.09	1.160

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28.	Low cost technologies for enhanced ruminant animal productivity <b>Location:</b> Faisalabad Focus area: Narwala & Surrounding villages	Dr. Mahr-un-Nisa, Assistant Professor, Institute of Animal Nutrition and Feed Technology, UAF	Three Years	01.03.09	1.589
29.	Enhancing crop productivity on salt-affected soils through combined use of soil applied gypsum and pre-sowing seed treatments <b>Location:</b> UAF Farm at Proka	Dr. Saif Ullah, Assistant Professor, Institute of Soil & Environmental Sciences, UAF	Three Years	01.03.09	1.996
30.	Documentation of Traditional Agricultural Knowledge and Technologies in Punjab, Pakistan <b>Location:</b> Punjab	Prof. Dr. Iqrar Ahmad Khan, Vice Chancellor, UAF	Three Years	01.03.09	3.047
31.	Establishment of demonstration orchard for transfer of technology to the growers at PARS	Dr. Saeed Ahmad, Institute of Horticultural Sciences, UAF	Three Years	01.03.09	0.971
32.	Demonstration of innovative technology of the department at the Main Campus, UAF	Prof. Dr. Rashid A. Khan, Chairman, Department of Forestry, Range Management and Wildlife	Three Years	01.03.09	0.382
33.	Demonstration of Strategies for enhancing cereal yields under normal conditions	Prof. Dr. Shahzad Maqsood Ahmad Basra, Department Crop Physiology, UAF	Three Years	01.03.09	0.224
34.	Demonstration of Improved Boom sprayer and Zone Disk Tiller Drill	Prof. Dr. Muhammad Iqbal, Department Farm Machinery & Power, UAF	Three Years	01.03.09	0.428
35.	Salt Affected Soils - Technologies Associated with their Management <b>Location:</b> Hafizabad	Mr. Muhammad Sarfraz Soil Salinity Research Institute, Pindi Bhattian	Three Years	01.03.09	1.503
36.	On farm demonstration of technologies for accelerated growth of calves and weaners for reducing the age at first calving of replacement dairy heifers	Dr. Shukat Ali Bhatti Institute of Animal Nutrition and Feed Technology, UAF	Three Years	01.03.09	1.300
37.	Demonstration of Modern Technologies through Kissan Mela <b>(Location: UAF)</b>	Dr. Ghulam Murtaza Director Farm, UAF	Three Years	01.03.09	3.091
38.	Redefining of the cropping pattern in various ecological zones of Punjab	Prof. Dr. Ehsanullah, Department of Agronomy, UAF	One year	01.07.10	1.046
39.	Preparation of Policy Paper on Economic Aspects of Irrigation Water	Dr. Muhammad Ashfaq, Associate Professor, Department of Agri. Economics, UAF	One Year	01.07.10	0.508
40.	Impact of wheat price policy on food security in Pakistan	Prof. (Rtd.) Dr. Muhammad Siddique Javed, Department of Business Management Sciences, UAF	One Years	01.07.10	0.982
41.	Internship/ outreach program for the students of UAF	Prof. Dr. Allah Bakhsh, Director, office of Research & Commercialization, UAF	One Year	01.07.10	35.622
42.	Umbrella project for faculty outreach through short hands-on training courses	Dr. Asif Ali, Director External Linkages, UAF	One Years	01.07.10	0.397
43.	Demonstration of a Groundwater Model to Simulate Pumping Effects on Water table of a Faisalabad Water Supply Scheme.	Prof. Dr. Allah Bakhsh, Department of Irrigation and Drainage, UAF	One Year	01.07.10	1.427
44.	Skill Development in Reverse Engineering at Agricultural Machinery Pool, UAF	Prof. Dr. Muhammad Iqbal, Department Farm Machinery & Power, UAF	One Year	01.07.10	6.463

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45.	Technology transfer of value Addition in Floriculture to Farmers	Prof (Rtd.) Dr. M. Aslam Khan, Institute of Horticultural Sciences, UAF.	Two Years	01.07.10	3.196
46.	Establishment of Biomonitoring Cell for Certification of BT Cotton Efficiency	Dr. H. Masooma Naseer Cheema Assistant Professor, Department of Plant Breeding & Genetics, UAF	Two Years	01.07.10	3.996
47.	Field Demonstration of Salt Tolerant Tree and Forage Species on Salt-affected Land at Proka Farm, UAF	Dr. Muhammad Saqib, Assistant Professor, Institute of Soil & Environmental Sciences, UAF	Three Years	01.07.10	2.872
48.	Operation and Management of Drip Irrigation System for Demonstration at PARS	Prof. Dr. Allah Bakhsh, Director, Water Management Research Center, UAF.	Three Years	01.07.10	3.885
49.	Technology Transfer through on farm demonstration of innovative techniques for the sustainable bovine dairy farming and keeping herd healthy by manipulation of management practices	Dr. Muhammad Riaz, Associate Professor, Department of Livestock Management, UAF	Three Years	01.07.10	7.975
50.	Use of low quality Water in Conjunction with Amendments During Reclamation of Salt-Affected Soils by Growing Wheat and Sesbania Crops	Dr. Ghulam Murtaza, Associate Professor, Institute of Soil & Environmental Sciences, UAF	Two Years	01.07.10	5.952
51.	Citrus Diagnostic and Certification Services	Muhammad Mubin, Lecturer, CAGSA, UAF.	Three Years	01.07.10 (closed after 2-years)	9.695
52.	Demonstration and Transfer of Entomological Technologies as Income Generating Source for Small Farmers (executed w.e.f. 01.04.2010)	Prof. Dr. Muhammad Ashfaq (T.I.), Dean, Faculty of Agriculture, UAF	Three Years	01.04.10	0.508
53.	Demonstration of Fogging and Spraying at the Campus UAF for the control of Mosquitoes	Prof. Dr. Anjum Suhail, Chairman, Department of Agri. Entomology	One Year	01.07.11	0.647
54.	Gender Empowerment and Home Life Improvement of Rural Poor through Appropriate Technology Transfer	Prof. Dr. Tanvir Ali, Division of Education and Extension, UAF	One Year	01.07.11	1.768
55.	Relay cropping of sesbania in the wheat for residues management and improving soil health	Prof. Dr. Ehsanullah, Department of Agronomy, UAF	Two Year	01.01.11	1.014
56.	Establishment of a Model Fruit Plant Nursery for demonstration of container grown plant production in Citrus and Guava	Dr. Muhammad Usman, Assistant Professor, Institute of Horticultural Sciences, UAF	Two Years	01.07.11	2.906
57.	Development of Molecular Diagnostics for Livestock Based Food Pathogens	Dr. Muhammad Irfan, Forman Christian College University, Lahore	Two Years	01.07.11	3.131
58.	Installation of Automatic Weather Data Recording System for Demonstration Purposes	Prof. Dr. Rashid Ahmad, Department of Crop Physiology, UAF.	6 months	01.09.12	0.422
59.	Installation of "Demonstration Solar Model" for Lecture Rooms in Faculty of Agricultural Engineering & Technology	Prof. Dr. Muhammad Iqbal, Department of Irrigation & Drainage, UAF	1 month	01.09.12	0.600
60.	Development, Fabrication, Installation and Operation of Biogas Plant at UAF	Dr. Anjum Munir, Department of Farm Machinery & Power, UAF	1 year	01.09.12	5.314
61.	Synthesis of Available Fertilizer Trials Data for Site-Specific Recommendations and Diagnostic	Dr. Muhammad Rashid, Ex-Director General Agri. (Research) Punjab/Subject	Two Years	01.01.11	7.318

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	Survey for Low Adoption of Fertilizer Use Technology (three components)	Specialist, Institute of Soil & Environmental Sciences, UAF			
62.	Epidemiology and Control of Foot & Mouth Disease in Punjab	Dr. Muhammad Arshad, Associate Professor, Institute of Microbiology, UAF	Two Years	01.05.11 Extended 31.07.13	2.954
63.	Demonstration and Training of Integrated Pest Management Techniques for the Control of Fruit Flies at Farm Field Level	Dr. Muhammad Ahsan Khan, Assistant Professor, Department of Agri. Entomology, UAF.	1 year	01.09.12	1.036
64.	Causes of Low Grain Productivity in Pakistan: Policy Opinions for Sustainable Growth	Mr. Asghar Ali, Lecturer, Institute of Agricultural and Resource Economics, UAF	1 year	01.09.12	0.241
65. .	Facilitation of the Demonstration of Different Technologies under UAF-Technology Park Projects at Postgraduate Agricultural Research Station (PARS), University of Agriculture, Faisalabad	Mr. Amir Saeed Rana, Assistant Professor/ Superintendent PARS, Directorate of Farms, UAF	Three Years	01.03.09 (extended up to 31.08.14)	1.815
66. .	Technology Transfer through Cyber Extension: Helping Communities to Help Themselves	Dr. Babar Shahbaz, Assistant Professor, Department of Agri. Extension, UAF.	Three Years	01.03.11 (extended up to 31.08.14)	5.096
67. .	Creating Knowledge-Based Society through Agricultural Technology Transfer via FM Radio	Prof. Dr. Tanvir Ali, Director, Division of Education & Extension, UAF	Two Years	01.03.11 (extended up to 31.08.14)	17.147
68. .	Demonstration of production technology of Quinoa ( <i>Chenopodium quinoa</i> Willd.) as a new climate proof grain crop	Prof. Dr Shahzad Maqsood Ahmed Basra, Department of Crop Physiology, UAF	Three Years	01.07.11	2.175
69.	Seed Technology Transfer to Farmers of Pothwar	Dr. Muhammad Shahid, PMAS-Arid Agriculture University Rawalpindi	Two Years	01.07.11 (extended up to 30.06.14)	0.390
70.	Strengthening informal Seed Supply System at Two Locations in Potohar Trough Participatory Technology Transfer	Dr. Abdul Razzaq PMAS-Arid Agriculture University Rawalpindi	Two Years	01.07.11 (extended up to 30.06.14)	2.087
71.	Rhizobacterial formulations application technology for the control of major pathogenic root infecting fungi in chickpea for sustainable crop production.	Dr. Muhammad Inam-ul-Haq PMAS-Arid Agriculture University Rawalpindi	Two Years	01.07.11 (extended up to 30.06.14)	1.935
72.	Technology Transfer to potato growers in relation to pathogen free seed potato, management of diseases and adoption of improved agrotechniques	Dr. Ishfaq Ahmad Hafiz PMAS-Arid Agriculture University Rawalpindi	Two Years	01.07.11 (extended up to 30.06.14)	2.251
73.	Establishment of Integrated Farming Facility for Crops/vegetables, Fish and Livestock at Proka Farms of University of Agriculture, Faisalabad	Executive Director, EFS, UAF (Coordinator)	Three Years	01.07.11	35.805
74.	Establishment of fish farming facility in integration with poultry/crop farming at Proka farms University of Agriculture, Faisalabad	Prof. Dr. Javed Akhtar, Department of Zoology & Fisheries, UAF	Three Years	01.07.11	1.139
75.	Establishment of poultry farming facility in integration with fish/crop farming at Proka farms University of Agriculture, Faisalabad.	Prof. Dr. Ahsan-ul-Haq, Department of Poultry Science, UAF	Three Years	01.07.11	3.593
76.	Improving degraded sol land low quality of water using farm wastes and	Dr. Ghulam Murtaza, Institute of Soil &	Three Years	01.07.11	2.491

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	their use for crop farming	Environmental Science, UAF			
77.	Improving degraded soil land low quality of water using farm wastes and their use for vegetable farming (vegetable tunnel farming)	Prof. Dr. M. Aslam Pervez, Institute of Soil & Environmental Science, UAF	Three Years	01.07.11	2.488
78.	Drip Irrigation Systems for Fruit Orchards and Row Crops for Research and Demonstration purpose	Prof. Dr. Allah Bakhsh Director, Water Management Research Center, UAF	Three Years	01.07.2011	15.979
79.	Transfer of animal health related technologies to farmers by involving DVM students	Prof. Dr. Ghulam Muhammad, Department of Clinical Medicine and Surgery, UAF	1-year	15.10.13	0.767
80.	Demonstrational hydroponic model of vegetable production under shade house	Prof. Dr. Rai Naiz Ahmad, Vice Chancellor, PMAS-UAAR	1-year	15.10.13	1.786
81.	Construction of Bag Type Biogas Plant at University of Agriculture, Faisalabad	Prof. Dr. Muhammad Iqbal, Dean, Faculty of Agricultural Engineering & Technology, UAF	1-year	01.12.13	1.552
82.	Rain Water Harvesting for Groundwater Recharge	Prof. Dr. Allah Bakhsh, Department of Irrigation and Drainage, UAF	1-year	01.01.14	1.312
83.	Water economics of growing Basmati, hybrid and coarse rice in Punjab, Pakistan	Prof. Dr. Muhammad Ashfaq, Institute of Agricultural & Resource Economics, UAF	1-year	01.02.14	0.844
84.	Integrated control of drug resistant/susceptible worms of goat by targeted selective treatments using FAMACHA	Dr. Zai Ud Din Sindhu, Assistant Professor, Department of Parasitology, UAF	3 years	01.09.12	1.788
85.	Establishment of Mushroom Cultivation Unit for Demonstration and Growth Trials of Wild and Exotic Mushrooms	Prof. Dr. M. Asif Ali, Institute of Horticultural Sciences, UAF	3 years	01.09.12	2.869
86.	Improving farmers' profitability and human nutrition through popularization of carrots	Prof. Dr. Muhammad Amjad, Director, Institute of Horticultural Sciences, UAF	3 years	01.09.12	2.573
87.	Demonstration of Resources Utilization Efficiency for Citrus and Mango Plants under Drip Irrigation at PARS	Dr. Saeed Ahmad, Associate Professor, Institute of Horticultural Sciences, UAF	3 years	01.09.12	2.144
88.	Spring and Winter Flower Exhibition/ Demonstration for Transfer of Technology at UAF	Dr. Atif Riaz, Assistant. Prof. Institute of Horticultural Sciences, UAF	3 years	01.09.12	1.212
89.	Demonstration/Dissemination of Promising Ber Cultivars in Marginal Land in Distt. Faisalabad (Punjab)	Dr. Saeed Ahmad, Associate Professor, Institute of Horticultural Sciences, UAF	3 years	01.09.12	0.954
90.	Quantification of Agro-Forestry Services and Increment in Agro-forestry area in Distt. Khushab through participatory approach	Dr. M. Farrakh Nawaz, Assistant Professor, Department of Forestry, Range Management and Wildlife, UAF.	3 years	01.09.12	2.292
91.	Demonstration of Technology of Silymarin Extraction from Milk Thistle	Prof. Dr. Khalil-ur-Rehman, Department of Chemistry & Biochemistry, UAF	3 years	01.09.12	1.827
92.	Demonstration and Control of Mango Mealy Bug (Drosicha stebbingi Green) at the University of Agriculture Faisalabad Using Funnel Type Slippery Trap (an innovative technology)	Prof. Dr. Rashid A. Khan Department of Forestry, Range Management and Wildlife, UAF	3-years	01.12.12	1.116