

DETAIL OF PARB COMPLETED PROJECTS

Sr. #	Project No.	Title of Projects and the Host Institution	Total Cost In Million
1	12	Utilizing Bacterial ACC-Deaminase Biotechnology to Enhance Water Use Efficiency for Sustainable Production of Cereals (U.A. Faisalabad)	20.275
2	13	Integrated pest management (IPM) of aphids on wheat crop (ABRI), (AARI, Faisalabad)	44.534
3	16	Genetic Improvement of Groundnut for Herbicide and Disease Resistance (AARI, Faisalabad)	26.230
4	18	Molecular mapping of quantitative trait loci determining salinity tolerance at maturity stage in indica rice	23.148
5	24	Basic seed potato production of new varieties SH-5, FD 35-36 & FD 69-1 from in vitro propagated material & its demonstration in the farmer's fields (AARI, Faisalabad)	5.769
6	27	Introgression of cotton leaf curl virus resistance genes from gossypium arboreum (Desi Cotton) into gossypium hirsutum (Upland Cotton)	12.724
7	28	Introgression of cotton leaf curl virus resistance genes from gossypium Arboretum (Desi Cotton) into gossypium hirsutum (Upland Cotton)	4.804
8	34	Development of nutrient efficient wheat germplasm for food scrutiny in rainfed areas of Pakistan (BARI) (AARI, Faisalabad)	14.447
9	40	Development of Drought Tolerant Variety Of Cotton (CRI, AARI, Faisalabad)	17.472
10	49	Control of bacterial leaf blight (BLB) in rice through management and resistant varieties (RRI), (AARI, Faisalabad)	74.474
11	50	Developing Parboiling Technology and Rice Varieties Suitable for Parboiling (RRI), (AARI, Faisalabad)	9.854
12	51	Standardization and Popularization of Direct Seeding to Increase Rice Productivity & Resource Conservation (RRI), (AARI, Fsd.)	13.908
13	101	Development Of Transgenic Sugarcane (<i>Saccharum Officinarum</i> L.) Against Major Abiotic Stresses (NIBGE, Faisalabad.)	19.587
14	103	Wheat Crop Improvement For Drought Tolerance Through Biotechnology NIAB, Faisalabad.	12.808
15	120	Improvement of chickpea productivity through the identification of drought tolerant and disease resistant chickpea genotypes for marginal lands (NIAB, Faisalabad)	37.356
16	127	Novel Approach To Generate Wide Spectrum Virus Resistance To All Begomoviruses Infecting Cotton And Other Cultivated Crops SBS, P.U, Lahore	28.139
17	139	Biological management of root knot nematodes on vegetables in Punjab (U.A. Faisalabad)	13.030
18	141	Documenting and mitigating the impact of pesticides and heavy metals residues on vegetables (U.A. Faisalabad)	19.500
19	143	Exploiting controlled atmosphere technology potential for extended storage and shipping of fresh produce to international markets (U.A. Faisalabad)	21.159

20	144	Transgenic approach to improve drought and salinity tolerance in wheat (U.A. Faisalabad)	14.078
21	150	Characterization of Native and Potential Mango Varieties in Relation to Ceratocystis Mangineceans and Other Economic Traits (U.A. Faisalabad)	24.999
22	152	Development, Optimization And Technology Dissemination Of Indigenous Based Skin Coating Material (SCM) For Fruits And Vegetables (AARI, Faisalabad)	11.571
23	161	Safeguarding Pakistani Wheat From Potential Disease Threats (WRI) (AARI, Faisalabad)	31.547
24	163	Sugarcane plant improvement through traditional and modern breeding technologies (AARI, Faisalabad)	27.836
25	165	Evaluation of phosphoric Acid (52% P ₂ O ₅) as an alternative to commercial phosphate fertilizers and enhancing its efficiency for higher crop productivity (NIAB, Fsd)	16.850
26	175	Micro propagation of date palm through tissue culture	24.061
27	176	Optimization and Standardization Of Operational Parameters Of Hot Water Treatment (HWT) System To Control Post Harvest Diseases And Insects Of Mangoes (AMRI, Multan)	9.103
28	179	Clonal propagation of guava through wood cuttings	11.707
29	185	Standardization of Olive Propagation and its value addition techniques (BARI) (AARI, Faisalabad)	21.974
30	188	Development Of Wheat With Low Phytate For Increasing Bioavailability Of Iron And Zinc (FCC, Lahore)	27.288
31	190	Development of tomato hybrids suitable for sowing in tunnels and open fields of Punjab	22.486
32	191	Genetic Improvement of cotton for herbicide and bollworm tolerance	18.368
33	193	Genetic Improvement of Sugarcane for Herbicide and Borer Resistance	22.350
34	195	Development, evaluation and promotion of cost effective and low polluting fish feed for <i>labeo rohita</i> (roho fish)	19.813
35	203	Development and comparison of innocuity and potentiating effect of three oil adjuvant against HS disease caused by <u>Pasteurella Multocida</u> in buffalo/cattle (VRI, Lahore)	10.696
36	207	Economics of Livestock Production and its marketing in Punjab (LPRI, Bahadurnagar)	2.950
37	210	Enhancing performance of buffalo through improved feeding management at different physiological stages upto first lactation	13.302
38	212	Improvement of lentil germplasm for high seed yield and disease resistance	15.119
39	213	Development and dissemination of production technology of Sugar leaf (<i>Stevia rebaudiana</i>) (AARI)	14.300
40	215	Development and Commercialization of Cotton Leaf Curl Virus resistant/tolerant indigenous transgenic Bt and Glyphosate resistant Cotton hybrids	13.027
41	223	Development, evaluation and promotion of milk replacer for buffalo calves (UVAS, Lahore)	12.447
42	227	Development of vaccine for the control of buffalo and cattle calf diarrhea (UVAS, Lahore)	17.408

43	235	Development & commercialization of indigenous Bt and herbicide	25.000
44	240	Development of meat type Japanese quail with higher body weight (Coturnix coturnix Japonica) acclimatized to indigenous management conditions through 6 generations of selective breeding programme	14.444
45	258	Enhancement of cost effective mutton production through genetically enhanced prolificacy management	12.988
46	263	Development of Eggs laying chicken lines for backyard poultry production(U.A. Faisalabad)	21.923
47	320	Preparation and field evaluation of thermostable Newcastle disease vaccine (U.A. Faisalabad)	27.297
48	335	Development, evaluation and production of distillery yeast sludge (DYS) based cost effective feed and prebiotic agent for poultry (U.A. Faisalabad)	12.930
49	337	Improvement of salt tolerance in wheat through biotechnology (NIBGE)	17.180
50	342	Exploration Of Rice Bran Oil Production (RRI), (AARI, Faisalabad)	13.712
51	358	Development, Evaluation and promotion of herbal anticoccidial (s) for the control of coccidiosis in poultry (U.A. Faisalabad)	10.127
52	379	Development Guidelines For Improving Water Use Efficiency And Testing Of Locally Developed Water Soluble Fertilizers Under Drip Irrigation System For Various Crops	32.596
53	426	Development of transgenic cotton with multiple genes resistant to cotton leaf curl virus	16.286
54	437	Development of Bio-pesticides for the control of soil-borne diseases of Tomatoes and Chillies caused by Pythium and Phytophthora Spp. (PMAS Arid Rwp)	29.910
55	439	Improvement of Value chains and tradability of farmers' Produce	12.654
56	469	"Nutritional enhancement of agricultural wastes and its use in animal feeding"	17.278
57	572	Diagnostic Survey for newcastle disease (ND) in Poultry	0.500
58	892	Import of Olive Oil Extraction Machinery for Improving Working Efficiency and Olive Oil Recovery	39.380
59	896	Analytical studies to determine the deteriorating factors affecting the export quality of kinnow/mandarin fruit	0.500
60	899	Feasibility of growing organic cotton in potowar area	0.500
61	901	Survey/Monitoring of Wheat Blast Disease in Punjab Pakistan	0.500
62	902	Diagnostic Survey of Plant Defense controllers (Beneficials) in District Sahiwal	0.500
63	903	Diagnostic Survey to ascertain ecological reasons of Aphid attack on Wheat in different ecological zones	0.500
64	921	Advance Training Programme in UK for Up-Skilling Punjab Agriculture Extension Staff	22.951
65	924	Acquisition of Advance Technologies for Cotton Production and Characterization of Cotton Germplasm and Acquisition of Advance Technologies for Rearing of Beneficial Insects for Biological Control of Cotton Insect Pests in Pakistan	1.170
66	926	Evaluation of Efficacy of PB Ropes in Different Ecological Zones of Punjab	0.500