
AGRICULTURE

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VISION

Self-reliance, food security and promotion of exportable high value crops through improved practices, efficient input use, revamping marketing system and averting losses from insects, pests, weeds, salinity, alkalinity, etc.

POLICY

- Food security management in holistic manner
- Emphasis on innovative technologies to bring vertical crop productivity
- Increase farmers' income through increased crop productivity, better support prices, diversified agriculture practices.
- Emphasis on high value agriculture i.e. fruit and vegetable production and productivity
- Efficient water conveyance and application through improved water courses, precision land leveling and drip and sprinkler irrigation
- Focus on horticulture, wheat, rice, cotton and maize by encouraging private sector research and congenial horticulture policies
- Explore renewable and alternate energy sources in agriculture
- Revamp infrastructure and capacity building of research and extension
- Develop value chain and enforce input/output certification mechanism
- Minimize reliance on oil seed import by boosting local production
- Efficient market infrastructure to ensure optimal value addition
- Strengthen Research – Extension- Farmer linkage

STRATEGIC INTERVENTIONS

➤ ***Productivity Enhancement***

- Promotion of cotton in Thal through use of pressurized irrigation on 2000 acres
- Mechanized rice transplanting through service providers to achieve optimal plant population per acre
- Lease of land (12.5 acres) to agriculture graduates for establishment of model agriculture farms.
- Eradication of poverty through distribution of house-cum-garden plots on lease basis.

➤ **Focused Research**

- Competitive Grant System (CGS) to conduct need based high profile research through PARB (Punjab Agriculture Research Board).
- Research on salt affected soils and brackish water to evolve low cost technology for utilization of poor quality water for agriculture purposes in southern Punjab.
- Establishment of Rice Research Station at Bahawalnagar for backstopping of newly emerging parboil rice cultivation and processing
- Research on biotechnology genetic sciences

➤ **Water Resource Management**

- High Efficiency Irrigation Systems i.e. Drip and Sprinkler
- Development of command area of Greater Thal Canal

➤ **Improved Service Delivery and Data base**

- Establishment of Provincial Reference Fertilizer & Pesticides Testing Laboratory at Lahore to test disputed fertilizer samples and evaluate fertilizers, enzymes and growth regulators for the purpose of registration
- Digitized agriculture land profile showing soil type, water availability and quality to recommend best suited cropping pattern for a specific region
- Ground water quality and quantity assessment
- Strengthening of Laser Land Levelling service through service providers

➤ **Development of Alternative/ Renewable Farm Energy Sources**

- Pilot Project adaptation of Bio-Gas technology to mitigate energy crisis

- Pilot Project Testing of Solar irrigation Pumps

Out come based targets 2010-11

Activities	Targets
Improvement of watercourses (No.)	2,500
Katcha Construction of Watercourses (No.)	324
Installation of irrigation system (Acres)	15,000
Promotion of Cotton Cultivation with Drip Irrigation (Acres)	1,000
Establishment of Model Agri. Farms by Graduates	1000
Installation of Bio-gas Plants (Nos.)	500
Installation of Solar Pumps (Nos.)	9
Mechanical Rice Transplanting (Acres)	500
Analysis of Pesticide Samples (No)	6000

Trends of Allocation

(Rs. In Million)

Year	Original Allocation	Revised Allocation
2006-07	1100.000	889.906
2007-08	2800.000	917.983
2008-09	3000.000	2298.767
2009-10	3200.000	1963.819
2010-11	3200.000	

MTDF 2010-13
Agriculture : Summary
Development Programme 2010-11

Million Rs

Sub-sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
Agriculture Extension	0.000	2.511	2.511	0.000	2.511	96.728	8.272	105.000	0.000	105.000	96.728	10.783	107.511	0.000	107.511
Agriculture Rsearch	99.893	57.896	157.789	0.000	157.789	79.098	14.507	93.605	0.000	93.605	178.991	72.403	251.394	0.000	251.394
Water Management	0.000	584.084	584.084	0.000	584.084	42.070	9.861	51.931	0.000	51.931	42.070	593.945	636.015	0.000	636.015
Agriculture Information	0.000	0.864	0.864	0.000	0.864	0.000	0.000	0.000	0.000	0.000	0.000	0.864	0.864	0.000	0.864
Agriculture Mechanization	0.000	30.275	30.275	0.000	30.275	0.000	0.000	0.000	0.000	0.000	0.000	30.275	30.275	0.000	30.275
Floriculture	0.135	5.917	6.052	0.000	6.052	0.000	0.000	0.000	0.000	0.000	0.135	5.917	6.052	0.000	6.052
Pest Warning	0.000	61.233	61.233	0.000	61.233	0.000	0.000	0.000	0.000	0.000	0.000	61.233	61.233	0.000	61.233
Punjab Agri. Research Board	0.000	717.003	717.003	0.000	717.003	0.000	0.000	0.000	0.000	0.000	0.000	717.003	717.003	0.000	717.003
Univ. of Agri. Faisalabad	0.000	78.189	78.189	0.000	78.189	0.000	0.000	0.000	0.000	0.000	0.000	78.189	78.189	0.000	78.189
P&E Cell	0.000	0.000	0.000	0.000	0.000	0.000	151.464	151.464	0.000	151.464	0.000	151.464	151.464	0.000	151.464
Block	0.000	0.000	0.000	0.000	0.000	0.000	1160.000	1160.000	0.000	1160.000	0.000	1160.000	1160.000	0.000	1160.000
Total	100.028	1537.972	1638.000	0.000	1638.000	217.896	1344.104	1562.000	0.000	250.536	317.924	2882.076	3200.000	0.000	3200.000
No. of Schemes				25					15					40	

DEVELOPMENT PROGRAMME 2011-12

Sub-sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
Agriculture Extension	0.000	2.762	2.762	0.000	2.762	106.401	9.099	115.500	0.000	115.500	106.401	11.861	118.262	0.000	118.262
Agriculture Rsearch	109.882	63.686	173.568	0.000	173.568	87.008	15.958	102.966	0.000	102.966	196.890	79.643	276.533	0.000	276.533
Water Management	0.000	642.492	642.492	0.000	642.492	46.277	10.847	57.124	0.000	57.124	46.277	653.340	699.617	0.000	699.617
Agriculture Information	0.000	0.950	0.950	0.000	0.950	0.000	0.000	0.000	0.000	0.000	0.000	0.950	0.950	0.000	0.950
Agriculture Mechanization	0.000	33.303	33.303	0.000	33.303	0.000	0.000	0.000	0.000	0.000	0.000	33.303	33.303	0.000	33.303
Floriculture	0.149	6.509	6.657	0.000	6.657	0.000	0.000	0.000	0.000	0.000	0.149	6.509	6.657	0.000	6.657
Pest Warning	0.000	67.356	67.356	0.000	67.356	0.000	0.000	0.000	0.000	0.000	0.000	67.356	67.356	0.000	67.356
Punjab Agri. Research Board	0.000	788.703	788.703	0.000	788.703	0.000	0.000	0.000	0.000	0.000	0.000	788.703	788.703	0.000	788.703
Univ. of Agri. Faisalabad	0.000	86.008	86.008	0.000	86.008	0.000	0.000	0.000	0.000	0.000	0.000	86.008	86.008	0.000	86.008
P&E Cell	0.000	0.000	0.000	0.000	0.000	0.000	166.610	166.610	0.000	166.610	0.000	166.610	166.610	0.000	166.610
Block	0.000	0.000	0.000	0.000	0.000	0.000	1276.000	1276.000	0.000	1276.000	0.000	1276.000	1276.000	0.000	1276.000
Total	110.031	1691.769	1801.800	0.000	1801.800	239.686	1478.514	1718.200	0.000	1718.200	349.716	3170.284	3520.000	0.000	3520.000

DEVELOPMENT PROGRAMME 2012-13

Sub-sector	Ongoing Programme					New Programme					Total				
	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total	Capital	Revenue	Total	F. Aid	Total
Agriculture Extension	0.000	3.038	3.038	0.000	3.038	117.041	10.009	127.050	0.000	127.050	117.041	13.047	130.088	0.000	130.088
Agriculture Rsearch	120.871	70.054	190.925	0.000	190.925	95.709	17.553	113.262	0.000	113.262	216.579	87.608	304.187	0.000	304.187
Water Management	0.000	706.742	706.742	0.000	706.742	50.905	11.932	62.837	0.000	62.837	50.905	718.673	769.578	0.000	769.578
Agriculture Information	0.000	1.045	1.045	0.000	1.045	0.000	0.000	0.000	0.000	0.000	0.000	1.045	1.045	0.000	1.045
Agriculture Mechanization	0.000	36.633	36.633	0.000	36.633	0.000	0.000	0.000	0.000	0.000	0.000	36.633	36.633	0.000	36.633
Floriculture	0.163	7.160	7.323	0.000	7.323	0.000	0.000	0.000	0.000	0.000	0.163	7.160	7.323	0.000	7.323
Pest Warning	0.000	74.092	74.092	0.000	74.092	0.000	0.000	0.000	0.000	0.000	0.000	74.092	74.092	0.000	74.092
Punjab Agri. Research Board	0.000	867.574	867.574	0.000	867.574	0.000	0.000	0.000	0.000	0.000	0.000	867.574	867.574	0.000	867.574
Univ. of Agri. Faisalabad	0.000	94.609	94.609	0.000	94.609	0.000	0.000	0.000	0.000	0.000	0.000	94.609	94.609	0.000	94.609
P&E Cell	0.000	0.000	0.000	0.000	0.000	0.000	183.271	183.271	0.000	183.271	0.000	183.271	183.271	0.000	183.271
Block	0.000	0.000	0.000	0.000	0.000	0.000	1403.600	1403.600	0.000	1403.600	0.000	1403.600	1403.600	0.000	1403.600
Total	121.034	1860.946	1981.980	0.000	1981.980	263.654	1626.366	1890.020	0.000	1890.020	384.688	3487.312	3872.000	0.000	3872.000
										AGRICULTURE MTFD 2010-13 Grand Total:					10592.000

AGRICULTURE: SUMMARY

(Rs. in million)

Type / Sub Sector	No. of Schemes	Provision for 2010-11							Projection for 2011-12	Projection for 2012-13
		Local		Foreign Aid		Total		G. Total (Cap+Rev)		
		Capital	Revenue	Capital	Revenue	Capital	Revenue			
<u>ON-GOING SCHEMES</u>										
Agriculture Extension	1	0.000	2.511	0.000	0.000	0.000	2.511	2.511	0.000	0.000
Agriculture Research	11	99.893	57.896	0.000	0.000	99.893	57.896	157.789	23.326	0.000
Water Management	5	0.000	584.084	0.000	0.000	0.000	584.084	584.084	889.552	406.654
Floriculture	1	0.135	5.917	0.000	0.000	0.135	5.917	6.052	0.000	0.000
Agriculture Mechanization	1	0.000	30.275	0.000	0.000	0.000	30.275	30.275	0.000	0.000
PARB	2	0.000	717.003	0.000	0.000	0.000	717.003	717.003	772.000	772.000
Pest Warning	2	0.000	61.233	0.000	0.000	0.000	61.233	61.233	0.000	0.000
Agriculture Information	1	0.000	0.864	0.000	0.000	0.000	0.864	0.864	0.000	0.000
University of Agriculture, Faisalabad	1	0.000	78.189	0.000	0.000	0.000	78.189	78.189	0.000	0.000
Total: ON-GOING SCHEMES	25	100.028	1,537.972	0.000	0.000	100.028	1,537.972	1,638.000	1,684.878	1,178.654
<u>NEW SCHEMES</u>										
Agriculture Extension	1	96.728	8.272	0.000	0.000	96.728	8.272	105.000	99.932	0.000
Agriculture Research	4	79.098	14.507	0.000	0.000	79.098	14.507	93.605	159.966	38.197
Water Management	1	42.070	9.861	0.000	0.000	42.070	9.861	51.931	39.641	17.642
P&E Cell	2	0.000	151.464	0.000	0.000	0.000	151.464	151.464	217.310	24.680
Block	1	0.000	1,160.000	0.000	0.000	0.000	1,160.000	1,160.000	0.000	0.000
Total: NEW SCHEMES	9	217.896	1,344.104	0.000	0.000	217.896	1,344.104	1,562.000	516.849	80.519
Grand Total	34	317.924	2,882.076	0.000	0.000	317.924	2,882.076	3,200.000	2,201.727	1,259.173

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

ON-GOING SCHEMES

Agriculture Extension

2794	1	Name of the Scheme	Promotion of Lentil Cultivation in Pothohar Area	0.000	5.000	1.189	0.000	2.511	0.000	0.000	0.000	2.511	2.511	0.000	0.000	0.000
		Approval Date	14.11.08													
		Major Components	Extension													
		Major Targets	1.2411 D/plots2.Farmers training3.Lentil seed production													
		District and Tehsil	Attock, Rawalpindi, Jhelumand Chakwal , All Tehsils													
Sub-Total: Agriculture Extension				0.000	5.000	1.189	0.000	2.511	0.000	0.000	0.000	2.511	2.511	0.000	0.000	0.000

Agriculture Research

2795	2	Name of the Scheme	Development of Better Oilseed Varieties/Hybrids to Enhance the Oilseed Production	0.000	30.265	23.735	0.000	4.630	0.000	0.000	0.000	4.630	4.630	0.000	0.000	0.000
		Approval Date	12.8.06													
		Major Components	Op/Rev 21.755M&E 8.510													
		Major Targets	1. Eighty nine parents (CMS & Restorer) for which seed will be produced. 2. 110 hybrids of which seed will be produced.													
		District and Tehsil	Faisalabad													
2796	3	Name of the Scheme	Development of Wheat Analytical Facilities.	0.000	132.151	121.387	2.800	5.252	0.000	0.000	2.800	5.252	8.052	0.000	0.000	0.000
		Approval Date	27.11.06													
		Major Components	Op/Rev 12.058M&E 100.898Const 19.195													
		Major Targets	1. Quality analysis of new wheat lines. 2. Analytical examination for biotoxins, pesticide residues etc.													
		District and Tehsil	Faisalabad													

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2797	4	Name of the Scheme Up-Gradation of Physical Infrastructure AARI, Campus. Approval Date 29.1.09 Major Components Op/Rev 5.2 M&E 26.230 Cons. 56.702 Major Targets To provide a conducive working environment and create scientific culture in the institute. District and Tehsil Faisalabad	0.000	88.132	15.000	16.237	0.000	0.000	0.000	16.237	0.000	16.237	0.000	0.000	0.000
2798	5	Name of the Scheme Research on Insecticide Resistance Approval Date 16.8.08 Major Components Oper 10.162 M&E 9.30 Major Targets Monitor insecticide resistance on cotton bollworm District and Tehsil Faisalabad	0.000	19.462	12.944	0.000	4.368	0.000	0.000	0.000	4.368	4.368	0.000	0.000	0.000
2799	6	Name of the Scheme Establishment of Lab for the Testing of Biotech Crops Approval Date 06.08.09 Major Components Op/Rev. 18.000 M&E 17.000 Major Targets To develop Lab facilities at ABRI, F/Abad to develop methods for detection, identification and quantification of GMOs. District and Tehsil Faisalabad	0.000	35.000	19.840	0.000	6.837	0.000	0.000	0.000	6.837	6.837	7.163	0.000	0.000
2800	7	Name of the Scheme Creation of Physical Infrastructure for Research on Mango under Corporate Mode at Multan. Approval Date 19.12.07 Major Components M&E 26.640 Cons 45.357 Major Targets To establish Horticulture, Plant Pathology, Entomology and Post Harvest research laboratories. District and Tehsil Multan	0.000	71.997	49.625	20.375	0.000	0.000	0.000	20.375	0.000	20.375	0.000	0.000	0.000

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(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2801	8	Name of the Scheme Strengthening of Research Facilities at MMRI, Yousafwala, Sahiwal	0.000	54.676	47.082	0.000	4.432	0.000	0.000	0.000	4.432	4.432	0.000	0.000	0.000
		Approval Date	29.1.09												
		Major Components	Op/RE 14.792 M&E 18.275 con 20.974												
		Major Targets	Development of 2 labs, 1 Green House & Construction of 5700 Sq. Feet Office Building.												
		District and Tehsil	Sahiwal , Yousafwala												
2802	9	Name of the Scheme Up-scaling of Biotechnology Research Institute, AARI, Faisalabad.	0.000	136.580	136.535	0.000	8.285	0.000	0.000	0.000	8.285	8.285	0.000	0.000	0.000
		Approval Date	App. 30.6.05 Rev. 23.10.07												
		Major Components	Op/Rev 72.403M&E 56.946Const 7.231												
		Major Targets	300 genotype will be characterized, 15 somatic hybrid and 1000 soma clones in sugarcane and wheat crops will be developed. 2000 wheat doubles hybrids will be produced, 25000 micro propagated sugarcane and banana will be produced.												
		District and Tehsil	Punjab , Faisalabad												
2803	10	Name of the Scheme Introduction of Mechanized Transplanting of Rice through Service Providers	0.000	22.890	14.785	0.000	4.408	0.000	0.000	0.000	4.408	4.408	2.262	0.000	0.000
		Approval Date	15.08.09												
		Major Components	Op/Rev. 17.89M&E 5.00												
		Major Targets	To enhance plant population from 70000 to 140000 per acre.												
		District and Tehsil	Sheikhupura, Hafizabad , Ferozewala, Pindi Bhattian												

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GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2804	11	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	0.000	17.208	10.863	0.000	3.465	0.000	0.000	0.000	3.465	3.465	0.000	0.000	0.000
		Production of Jojoba through Research and Extension 12.8.06 Op/Rev 14.058M&E 3.150 Nursery raising of 8000 plants, propagation & selection of 10 plants, demonstration plots 4 Bahawalpur, Mianwali , Punjab													
2805	12	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	0.000	141.498	47.394	60.481	16.219	0.000	0.000	60.481	16.219	76.700	13.901	0.000	0.000
		Establishment of Rice Research Station at Bahawalnagar 7.11.09 by PDWP Op/Rev 34.729M&E 29.433Cons. 77.336 To develop Rice research station for research and training specially for Parboiled rice. Hahizabad, Bahawalnagar , PindiBhattian, Bahawalnagar													
Sub-Total: Agriculture Research			0.000	749.859	499.190	99.893	57.896	0.000	0.000	99.893	57.896	157.789	23.326	0.000	0.000
Water Management															
2806	13	Name of the Scheme Approval Date Major Components Major Targets District and Tehsil	0.000	433.330	395.000	0.000	100.000	0.000	0.000	0.000	100.000	100.000	0.000	0.000	0.000
		National Program for Improvement of Watercourses (Supervisory Consultancy- Punjab Component) 29.2.04 improvement of 30,000. watercourses in the Punjab improvement of 30,000. watercourses Punjab													

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GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2807	14	Name of the Scheme Water Conservation and Productivity Enhancement through High Efficiency (pressurized) Irrigation Systems (The Punjab Components) Approval Date Approved by ECNEC on 21.9.07 Major Components Promotion of Drip/Sprinkler Irrigation Technologies Major Targets 1.Demo of HEIS on 600 Acres 2.Promotion of Drip and sprinkler irrigation on 138,788 acres District and Tehsil Punjab , All Tehsils	0.000	1,249.767	124.875	0.000	150.000	0.000	0.000	0.000	150.000	150.000	378.000	0.000	0.000
2808	15	Name of the Scheme Greater Thal Canal Command Area Development Project Phase-I Approval Date 9.8.08byPDWP Major Components Earthen Construction and lining of Watercourse Laser land leveling provision of forestry and livestock services and capacity building of farmers Major Targets 1. Improvement of 725 watercourses2. Laser land leveling 36000 acres District and Tehsil Khushab, Bhakkar, Jhang, & Layyah , Noorpur, Darya Khan, Mankera and Choubara	0.000	1,364.969	260.763	0.000	200.000	0.000	0.000	0.000	200.000	200.000	497.552	406.654	0.000
2809	16	Name of the Scheme Pilot Testing of Solar Water Pumps Approval Date 06.08.09 by DDSC Major Components Research, Capacity building in feasibility of solar pumps for up scaling Major Targets Installation of 9 solar water pumping systems District and Tehsil Punjab , All Tehsils	0.000	19.230	1.500	0.000	16.105	0.000	0.000	0.000	16.105	16.105	0.000	0.000	0.000

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2810	17	Name of the Scheme Pilot Project for Promotion of Cotton Cultivation in Thal Region with Drip Irrigation Approval Date 15.08.09 by PDWP Major Components Demonstration farms on 2000 acres at farmers fields for growing cotton with drip irrigation Major Targets To promote cotton in Thal Area through use of Pressurized irrigation at 2000 acres. District and Tehsil Bhakkar, Layyah, Khushab, Jhang	0.000	251.000	97.656	0.000	117.979	0.000	0.000	0.000	117.979	117.979	14.000	0.000	0.000
Sub-Total: Water Management			0.000	3,318.296	879.794	0.000	584.084	0.000	0.000	0.000	584.084	584.084	889.552	406.654	0.000
Floriculture															
2811	18	Name of the Scheme Enhancing Productivity of Flowers in Periurban Lahore Approval Date 29.1.09 Major Components To disseminate production technology. Major Targets Enhancing production of flower seeds. District and Tehsil Lahore	0.000	25.708	22.014	0.135	5.917	0.000	0.000	0.135	5.917	6.052	0.000	0.000	0.000
Sub-Total: Floriculture			0.000	25.708	22.014	0.135	5.917	0.000	0.000	0.135	5.917	6.052	0.000	0.000	0.000
Agriculture Mechanization															
2812	19	Name of the Scheme Adaptation of Bio-Gas Technology to Mitigate Energy Crises (Pilot Project) Approval Date 15.08.09 Major Components Provision/installation of 1000 units of family biogas plants to the farmers at 50% subsidy Major Targets Generation of biogas for lightening and cooking2. Additional fertilization of soil3. Upgrading the lifestyle for rural women 4. Less emission of greenhouse gases District and Tehsil Dera Ghazi Khan, Layyah, Multan, Rajanpur, Muzaffargarh, Lodhran, Bahawalpur, Bahawalnagar, Rahim Yar Khan, Vehari & Khanewal , All tehsils of project districts.	0.000	36.775	4.015	0.000	30.275	0.000	0.000	0.000	30.275	30.275	0.000	0.000	0.000
Sub-Total: Agriculture Mechanization			0.000	36.775	4.015	0.000	30.275	0.000	0.000	0.000	30.275	30.275	0.000	0.000	0.000

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

PARB

2813	20	Name of the Scheme	Strengthening of Punjab Agriculture Research Board	0.000	311.867	79.741	0.000	8.425	0.000	0.000	0.000	8.425	8.425	0.000	0.000	0.000
		Approval Date	25.11.09													
		Major Components	Purchase of machinery & equipments Construction of office building.													
		Major Targets	a. Traveling expenses b. Import of technology. c. Publication. d. Award & prize distribution. e. Consultancy & technical assistance. f. Construction of office building. g. Workshop/seminars/ BOD meeting/EC meeting etc													
		District and Tehsil	Lahore													
2814	21	Name of the Scheme	Funding of High Priority Research through Competitive Grant System	0.000	3,126.304	308.373	0.000	708.578	0.000	0.000	0.000	708.578	708.578	772.000	772.000	565.353
		Approval Date	18.12.07													
		Major Components	Funding of priority research program through CGS.													
		Major Targets	a. Mobilize the best available scientists from universities & private sector to undertake high priority projects b. Develop pluralistic research system c. Promote research partnership and collaboration d. Maintain high standard of research e. improve and s													
		District and Tehsil	Punjab													
Sub-Total: PARB				0.000	3,438.171	388.114	0.000	717.003	0.000	0.000	0.000	717.003	717.003	772.000	772.000	565.353

Pest Warning

2815	22	Name of the Scheme	Management of Fruit Fly through IPM (Integrated Pest Management) Techniques	0.000	84.889	49.564	0.000	21.233	0.000	0.000	0.000	21.233	21.233	0.000	0.000	0.000
		Approval Date	16.8.08													
		Major Components	Rain Gauge Humidity Gauge Dissecting Microscope Binocular microscope insectaries for rearing of parasites of fruit fly.													
		Major Targets	Complete control of fruit fly through IPM on an area of 73850 acres of citrus..													
		District and Tehsil	Sargodha													

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2816	23	Name of the Scheme Disposal of Expired and Spurious Pesticides Approval Date 06.08.09 by DDSC Major Components Installation of modern incinerator for the disposal of obsolete, expired and spurious pesticides Major Targets Disposal of obsolete, expired and spurious pesticides District and Tehsil Punjab	0.000	60.000	19.300	0.000	40.000	0.000	0.000	0.000	40.000	40.000	0.000	0.000	0.000
Sub-Total: Pest Warning			0.000	144.889	68.864	0.000	61.233	0.000	0.000	0.000	61.233	61.233	0.000	0.000	0.000
Agriculture Information															
2817	24	Name of the Scheme Improving Quality and Enhancing Frequency of Audio/Video Productions on Agriculture Approval Date 15.09.09 by DDSC Major Components Man powerPay and allowances Major Targets Furniture Improving quality and enhancing frequency of audio/video productions on agriculture. District and Tehsil Lahore	0.000	1.859	0.728	0.000	0.864	0.000	0.000	0.000	0.864	0.864	0.000	0.000	0.000
Sub-Total: Agriculture Information			0.000	1.859	0.728	0.000	0.864	0.000	0.000	0.000	0.864	0.864	0.000	0.000	0.000
University of Agriculture, Faisalabad															
2818	25	Name of the Scheme Construction of Three Hostels for Students at University of Agriculture, Faisalabad Approval Date 10.01.07 by DDSC Major Components Construction of Hostels for Students at UAF Major Targets Construction of Three Hostels for Students at University of Agriculture, Faisalabad District and Tehsil Faisalabad	0.000	166.166	87.977	0.000	78.189	0.000	0.000	0.000	78.189	78.189	0.000	0.000	0.000
Sub-Total: University of Agriculture, Faisalabad			0.000	166.166	87.977	0.000	78.189	0.000	0.000	0.000	78.189	78.189	0.000	0.000	0.000
Total: ON-GOING SCHEMES			0.000	7,886.723	1,951.885	100.028	1,537.972	0.000	0.000	100.028	1,537.972	1,638.000	1,684.878	1,178.654	565.353

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

NEW SCHEMES

Agriculture Extension

2819	26	Name of the Scheme	Human Resource Development for Improvement of Agriculture Extension System in Punjab	0.000	204.932	0.000	96.728	8.272	0.000	0.000	96.728	8.272	105.000	99.932	0.000	0.000
		Approval Date	15.08.09													
		Major Components	Equipment Transport Civil worksOperational cost													
		Major Targets	To produce good quality Agriculture Extension Agents for dissemination of information and demonstration for environment friendly, diversified and sustainable Agriculture.													
		District and Tehsil	Sargodha, Rahim Yar Khan & Rawalpindi , Sargodha, R.Y.Khan, Rawalpindi													
Sub-Total: Agriculture Extension				0.000	204.932	0.000	96.728	8.272	0.000	0.000	96.728	8.272	105.000	99.932	0.000	0.000

Agriculture Research

2820	27	Name of the Scheme	Establishment of Provincial Reference Fertilizer Testing Laboratory at Lahore	0.000	115.919	0.000	16.305	0.751	0.000	0.000	16.305	0.751	17.056	91.529	7.334	0.000
		Approval Date	31.07.09													
		Major Components	Op/Rev. 9.785M&E 36.070 Cons. 70.064													
		Major Targets	- To conduct analysis of disputed fertilizer samples - To conduct analysis of samples of fertilizers, enzymes and growth regulators for the purpose of registration.													
		District and Tehsil	Lahore													

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2821	28	Name of the Scheme Development of Digitized Profile of Land for Agriculture in the Punjab Province Approval Date 15.08.09 Major Components Op/Rev. 43.252M&E 33.185 Major Targets To develop a digitized profile of land showing soil type, water availability and quality along with the best suited crops for the region. District and Tehsil Lahore	0.000	76.437	0.000	9.500	4.194	0.000	0.000	9.500	4.194	13.694	43.219	19.524	0.000
2822	29	Name of the Scheme Strengthening of SSRI for Research on Salt Affected Soils and Brackish Water in Southern Punjab Approval Date 31.07.09 Major Components Op/Rev. 33.115M&E 12.459Cons 2.784 Major Targets - To generate low cost technology for utilization of poor quality water for agriculture purposes. - To strengthen SSRI, Pindi Bhattian. Establishment of Station at R.Y.Khan District and Tehsil Hahizabad, Rahim Yar Khan , PindiBhattian, R.Y.Khan	0.000	48.358	0.000	11.293	7.642	0.000	0.000	11.293	7.642	18.935	18.084	11.339	0.000
2823	30	Name of the Scheme Provision of Additional Facilities for Pesticide Labs Approval Date 06.08.09 Major Components Op/Rev 7.854M&E 43.200 Major Targets To analyze 1000-2000 pesticides regulatory samples per annum To provide analytical service to the purchaser of pesticides To effectively contribute in pesticide anti adulteration campaign in Punjab District and Tehsil Multan, Faisalabad. , Multan, Feroz Wala and Faisalabad.Kala Shah Kaku	0.000	51.054	0.000	42.000	1.920	0.000	0.000	42.000	1.920	43.920	7.134	0.000	0.000
Sub-Total: Agriculture Research			0.000	291.768	0.000	79.098	14.507	0.000	0.000	79.098	14.507	93.605	159.966	38.197	0.000

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Water Management

2824	31	Name of the Scheme	Upgradation of Water Management Training Institute	0.000	109.214	0.000	42.070	9.861	0.000	0.000	42.070	9.861	51.931	39.641	17.642	0.000
		Approval Date	06.08.09 by DDSC													
		Major Components	Refurnish/renovate existing infrastructure at WMTI and establishment of WMRC at Renala Khurd. Upgradation of training modules for farmers and Water Management professionals													
		Major Targets	Capacity building in irrigation water management particularly in high efficiency irrigation system.													
		District and Tehsil	Punjab , All Tehsils													
Sub-Total: Water Management				0.000	109.214	0.000	42.070	9.861	0.000	0.000	42.070	9.861	51.931	39.641	17.642	0.000

P&E Cell

2825	32	Name of the Scheme	Small House Cum Garden Plots for Eradication of Poverty in Punjab	0.000	287.460	0.000	0.000	112.084	0.000	0.000	0.000	112.084	112.084	174.560	0.000	0.000
		Approval Date	Approved													
		Major Components	Eradicate poverty and bringing the poor of the poorest out of poverty on a sustainable basis through allotting him a small plot of two kanals of land free of cost to the poor of poorest landless tenants and farm laborers to ensure food, social and economi													
		Major Targets	Distribute land for developing small gardens, growing vegetables, rearing, Livestock etc, and to improve /increase the monetary and social security of the land-less bottom poor house-holds; Encourage independent living by reducing the dependency of others													
		District and Tehsil	Bahawalpur, Bahawalnagar, Muzaffargarh, Rajanpur , All tehsils of project districts.													

AGRICULTURE

(Rs. in million)

GS No	SS No	Scheme Information	Estimated Cost		Exp. upto 2009-10	Provision for 2010-11						Projection for 2011-12	Projection for 2012-13	Throw fwd beyond June, 2013	
			F. Aid	Total		Local		Foreign Aid		Total					G. Total (Cap+Rev)
						Cap	Rev	Cap	Rev	Cap	Rev				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2826	33	Name of the Scheme Development of Model Agriculture Farms by Leasing Land to Agriculture Graduates Approval Date Un-Approved Major Components i. Allotment of 12.5 acres of land to each agri graduate (total graduates will be 1000) ii. Creation of focal points for dissemination of modern agriculture technology iii. Provision of credit on low interest rate Major Targets i. Leasing out of land to 1000 agri graduates ii. Development of uneven, problematic land District and Tehsil 24 Districts of the Punjab Province , All tehsils of the 24 Districts	0.000	154.110	0.000	0.000	39.380	0.000	0.000	0.000	39.380	39.380	42.750	24.680	47.300
Sub-Total: P&E Cell			0.000	441.570	0.000	0.000	151.464	0.000	0.000	0.000	151.464	151.464	217.310	24.680	47.300
Block															
2827	34	Name of the Scheme Block Allocation for Funding Fast Moving Schemes and New Initiatives Approval Date Un-Approved Major Components Major Targets District and Tehsil Punjab	0.000	1,160.000	0.000	0.000	1,160.000	0.000	0.000	0.000	1,160.000	1,160.000	0.000	0.000	0.000
Sub-Total: Block			0.000	1,160.000	0.000	0.000	1,160.000	0.000	0.000	0.000	1,160.000	1,160.000	0.000	0.000	0.000
Total: NEW SCHEMES			0.000	2,207.484	0.000	217.896	1,344.104	0.000	0.000	217.896	1,344.104	1,562.000	516.849	80.519	47.300
Grand Total			0.000	10,094.207	1,951.885	317.924	2,882.076	0.000	0.000	317.924	2,882.076	3,200.000	2,201.727	1,259.173	612.653