

Republic of Yemen
Council of Ministers
Ministry of Agriculture and Irrigation
Sana'a

**Agricultural Sector Strategy Matrix
2006-2010
And Plan of Work to Implement the Strategy for Two Years
2006-2007**

Major Domains of the Strategy

1. Increase and improve production, while preserving the Resource base.
2. Improve institutional efficiency to provide services
3. Empower the Producer / Farmer

This matrix was finalized by participants in the evaluation and planning workshop on the agricultural strategy and structure of the sector,
which was held in Sana'a during the period
May 8th -10th 2006.

(1) Increase and improve production while preserving the resource base

Strategic Vision	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
1. Increase cereal production and Animal Production (Food Security)	Improve efficiency of Extension Services	Re evaluate extension activities	GD Extension & Communication
		Identify means for extension revival	
		Identify pilot areas	
		Prepare budget extension programs in pilot areas	
	Improve efficiency of Veterinary Services	Re evaluate veterinary services	GD Animal production + concerned departments
		Identify means for veterinary services revival and quarantine outlets.	
		Identify pilot areas	
		Prepare budgeted programs for pilot areas.	
	Support research programs aimed at solving production problems (animal +Plant)	Increase recurrent budget for research programs	ARA
		Rehabilitate and upgrade laboratories	
Strengthen and give priority to quality research			
Make available recommended agriculture inputs	Coordinate with importers to import the recommended inputs in the right time and required quantities	GD plant production	
2. Increase income generated from Rainfed Agriculture(Poverty reduction)	Improve water harvesting efficiency	Revise status of water structures and decide means for rehabilitation of these structures	GD Irrigation + Ministry of Water Resources+ Farmers Union+ Local Councils
		Set up program for the sustainable and rational use of water in the water harvesting structures	
	Implement water structures on the basis of the outputs of the water strategy and on the basis of a clear master plan for water structures.		
	Rehabilitate terraces in selected areas in close cooperation and participation f local communities		
	Expand the formation of Water Users Associations and irrigation councils		

Strategic Vision	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
	Reduce the problems of desertification and deterioration of agricultural lands	Secure budgets and implement the range project	GD Forestry + GD Planning (MAI) + Ministry of Planning + Ministry of Finance
		Revise the national plan for combating desertification. Update the plan to suit current developments and challenges	
		Secure funds to implement projects of the revised national plan for combating desertification.	
3. Increase productivity of irrigated agriculture (Sustainable Development)	Reduce the dependence on underground water and concentrate on the renewable water resources and non conventional water resources.	Conduct research on non-conventional water resources for irrigation.	ARA + GD Extension+ GD Irrigation
		Disseminate technologies related to the use of non-conventional water resources in irrigation.	
		Revive water law in the irrigation issues	
	Improve water use efficiency	Increase production per unit water used	ARA + GD Extension+ GD Irrigation
		Disseminate Modern irrigation units and facilitate access of farmers to these units	Extension + Farmers Union
		Continue soil classification and prepare maps or land use.	Natural Resource Center (ARA)
		Conduct studies on soil salinity and prepare maps of salinity affected soils	Natural Resource Center (ARA)
		Build capacities of water users associations	GD Irrigation
		Sensitize farmers about proper organic manure preparation	GD Extension
	Increase capacity of local agriculture products to compete at regional markets	Construct modern marketing outlets	GD Irrigation
		Expand the collecting of marketing information	GD Extension
		Organize capacity building courses in marketing for employees in the quality aspects of marketing	GD Marketing
		Test technologies related to improved quality of agricultural products	GD Marketing
		Disseminate technologies related to improved quality of agricultural products	GD Marketing

(2) Increase Institutional Efficiency in Service Provision

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
2. Strengthen the Institutions	2.1 Restructure the Institutional set up of the Agricultural Sector	Increase administrative and management capacities of the agricultural institutions and strengthen the concept of participation in the decision making and delegation of authorities	Prepare and follow up the issuing of by laws for institutions in the fields of management, service provision and implementation (production)	GD employees affairs + Legislation Department
		Train staff in the field of leadership and organization	Prepare and implement training program for staff in institutions	GD employees affairs
		Complete infrastructure for agricultural institution	Prepare a plan for rehabilitation of buildings and construct new buildings	MAI+ Donor Agencies
		Increase recurrent budget of MAI in the Government budget.	Prepare and follow up funds for budgeted programs	GD Planning + Financial GD
		Facilitate access to information	Prepare interactive data base	GD Planning
			Record data related to agricultural institutions and disseminate this data	GD Planning
			Provide necessary and modern equipment	GD Planning + Finance GD
			Implement and revitalize an information network system among institutions.	GD Planning

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
3. Conducive environment	3.1 Prepare supporting laws and legislations.	Formulate suitable laws and legislations for investment in the agriculture sector.	Revise current laws and revive them.	GD legislations affairs + concerned parties
			Issue the Agricultural Law	
			Complete legislations on renewable natural resources	
			Harmonize local laws with GCC countries in the field of investment	
	3.2 Provide export opportunities		Prepare a promotional guide for investment in the agricultural sector	GD marketing
			Provide information on export opportunities	
			Promote handicraft industries and food trade in rural areas	GD marketing + GD plant production
			Integrate rural youth in development	GD Extension
	3.3 Ensure stability in agricultural land ownership		Study the case and problems of land ownership. Record land ownerships Study land ownership problems related to women	ARA + GD Legislations
	3.4 Introduce suitable technologies for increased production and reduced cost of production	Introduce technologies which rely on alternative sources of energy and provide required facilitation for wide use.	Conduct applied research on alternative sources of energy	ARA
			Disseminate food industry and home economics technologies	GD Extension + GD Rural Women
			Introduce technologies which reduce cost of production and increased production.	ARA + GD Extension
			Streamline the functions of farmers organizations	GD Extension+ Research + Farmers Union

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties	
4. Direct Investment	4.1 Direct investment towards income generating small projects and which provide job opportunities and ensure efficient use of resources and provide the agriculture sector with quality and quantity outputs	Promote the private and the cooperative sectors to invest in the agricultural sector.	Prepare and approve small income generating projects.	GD Extension + relevant authorities+ Donor Agencies	
			Promote protected agriculture to produce cash horticultural crops		GD Extension+ Donor Agencies
			Promote the establishment of factories relying on local raw materials.		
			Promote investment in the field of bee hive keeping and honey production		
			Promote investment in the field of animal and poultry production.		
			Support the GD for rural women development through a soft loan program for poor households		
	4.2 Direct government investments towards the establishment of a solid infrastructure for the sector	Complete the infrastructures to encourage investment in the agricultural sector	Complete the basic infrastructure for marketing (markets, export outlets, quality control labs.)	GD Marketing + GD Plant Production	
			Complete the construction of irrigation structures	GD Irrigation	
			Complete the construction of plant and veterinary quarantine stations.	GD P. Protection + GD Animal Production.	

(3) Empower Producer / Farmer

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties	
3) Empower Producer / Farmer	3.1) Develop human resources (education and training)	Assist farmer to acquire skills to increase income and improve his livelihood	Select a number of governorates as pilot for intervention	GD Planning + Branches + Projects	
			Identify opportunities and challenges to the selected pilot areas, and identify skills required through the participatory approach		
			Prepare and implant training programs for each site according to local needs. The % of Women targeted should be not less than 50%		
			Implement the training programs and link the training outputs with sources of lending for the selected projects.		
		Promote and acquire farmers technical agricultural skills	Identify technical skills required for male and female farmers		GD Extension + Training Centers+ Branches
			Design and implement training programs for each site according to local needs.		
			Find approaches for monitoring and follow up to ensure farmers benefits and measure impacts		
		Empower farmers to benefit from proven research technologies (production recommendations)	Identify intervention areas (close to AREA branches)		ARA + GD Extension
			Identify technologies which were tested and approved and disseminated under farmers conditions.		
			Design and implement new programs to improve seed supply and improve on farm irrigation		
			Implement research programs and disseminate successful ones to farmers.		

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
		Incorporate in the school curricula subjects related to empowering of farmers	Prepare a workshop with the aim of dissemination of awareness on the importance of empowering farmers and invite concerned parties to this workshop. (Ministry of education + Universities)	ARA + GD Extension
			Organize a workshop under a title “ Farmers Empowerment , a first step towards real development” and adopt resolutions by concerned parties.	ARA + GD Extension
		Revive the role of extension and its coverage to rural areas	Evaluate the status of extension agencies.	GD Extension
			Assess capacities of extension agents and suggest means for improvements.	
			Design programs to revive the extension agencies facilities (renovation ,rehabilitation)	
			Design training programs for rural leaders (M&F)	
			Implement extension programs	
			Equip M&F extension staff with manuals , posters , pamphlets etc	
			Prepare follow up of implementation and promote innovators.	
			Direct farmers to produce according to market needs	
		Conduct a marketing study to determine market requirements (supply and demand)		
		Organize workshops with farmers to present results of the marketing study		
		Prepare extension materials on marketing and disseminate among farmers(M&F)		

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
Empowering of Farmers/Producers (Cont.)	3.2) Human resource development (Cont.)	Increase efficiency of using available natural resources	Prepare simple pamphlets on how we should conserve every natural resource	GD Extension + Branches + ARA
			Design programs for rehabilitation of terraces and rangelands for a number of governorates with incentives to farmers	GD Irrigation + GD Forestry
			Design training programs on irrigation methods for the rational use of water resources.	GD Extension + ARA
			Assist farmers to have access to loans from the credit bank and the Agricultural Fund for Agricultural and Fisheries Promotional Fund to purchase machinery and irrigation equipment.	GD Extension
		Expand illiteracy campaign Programs	Organize campaigns among school pupils and secondary school students on the importance of eradication of illiteracy to facilitate progress in their areas	GD Extension + Branches
			Adopt campaigns among rural educated persons on the importance of voluntary work in the development of their areas.	
			Coordinate with the Social Fund for training	
			Coordinate with the illiteracy eradication agency for provision of books and education materials.	
			Coordinate with local councils to provide for allocation of classes and incentives for volunteers	

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
Empowering of Farmers/Producers (Cont.)		Disseminate traditional knowledge and skills acquired	Conduct assessment studies on agricultural traditional knowledge and skills	ARA + GD Extension
			Disseminate the verified traditional knowledge and skills to other areas through extension materials and telecommunication media.	
		Expand participatory grants among farmers and development agencies	Conduct a survey to record agencies providing these grants and types of grants provided.	ARA + GD Extension
			Ask for complete information about the grants and how they are utilized and provide this information to farmers through extension and media.	
			Assist farmers to have access to these donor agencies	
		3.3) Financial Empowerment	Facilitate access to production and marketing information	Equip the concerned department with necessary information to establish agric. And marketing information bank
	Conduct a study on the type of information required by farmers			ARA + GD Extension
	Collect required information and up date it regularly			GD Marketing
	Disseminate information through extension centers and media and the markets.			GD Marketing

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
Empowering of Farmers/Producers (Cont.)		Maintain contacts and marketing workshops among targeted areas and importing countries	Identify crops and products suitable for competition with similar products in the external markets.	GD Marketing
			Promote products and crops selected for export	
			Assist farmers have access to local and external markets.	
			Assist farmers to form their own associations and build capacities of these associations in collaboration with the SFD	GD Marketing + Farmers union
			Work towards signing bilateral treaties with some countries for trade exchange of rural products	GD Planning
		Increase investment opportunities to Farmers/ Producers	List authorities who provide grants to rural people , types of loans, interests, and procedures for getting loans and disseminate hat to farmers.	GD Extension + Lending Institutions
			Build capacities of community associations who adopt small production projects.	Projects + Branches
			Simplify procedures for applying for loans by the lending agencies which come under MAI	Lending Institutions
			Assist farmers have access to lending agencies and banks.	GD Extension
		Empower Rural Women	Design training programs targeting women on skill improvements and practicing trade.	GD Rural Women Development + GD Extension
			Rural women should be targeted by the vocational training institutes	GD Rural Women Development

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
		Calculate women's work in the GDP	Conduct a study to evaluate rural women's activities < list these activities and the time spent, and calculate costs accordingly	GD Rural Women Development + concerned parties
			Coordinate with the central statistical bureau to incorporate the costs in the national calculations of the GDP.	GD Rural Women Development
		Promote rural women to enroll in marketing activities	Promote women to grow cash crops	GD Extension
			Promote rural women to have access to markets	GD Rural Women Development + GD Marketing
		Reduce time and burden from work carried out by rural women	Launch campaigns in rural areas on the dangers of using dung cakes as fuel for cooking and the importance of the use of butane gas.	GD Extension
			Help rural households have access to credits to purchase ovens and butane gas cylinders	GD Rural Women Development + Donor agencies
		Assist women have access to credits	Help rural women have access to credits and soft loans.	GD Rural Women Development + GD Rural Women
			Provide rural women with information about credit programs in their areas.	GD Rural Women Development + Farmers Union

Strategic Vision	Main Interventions	Main activities(Five Years)	Main Activities(Two years)	Concerned Parties
		Promote local communities to organize themselves in official organizations	<p>Assess capacities of current cooperative associations in providing services to farmers</p> <p>Strengthen the partnership with cooperative associations and develop their tasks.</p> <p>Train extension agents on how mobilize local communities</p> <p>Promote (M&F) farmers to establish their own associations</p> <p>Train farmers on the management of the associations</p> <p>Build capacities of these associations with the help of specialized bodies.</p> <p>Provide agricultural and non agricultural information to the community associations</p> <p>Find an approach or a mechanism among sectors in MAI and the agricultural cooperatives.</p> <p>Train Female extension agents on assisting rural women to formulate their own associations</p> <p>Build capacities of rural women's associations</p> <p>Seek financial support for these associations</p>	GD Rural Women Development + GD Rural Women + GD Extension