



Coordination of the **A**gricultural **R**esearch **I**n the **M**editerranean **A**rea

DESCRIPTION OF NATIONAL Agri-Med RESEARCH SYSTEM

(Programmes and capacity)



TURKEY

Funding scheme

Funding Organizations	Funding area*	Budget € year 2008
General Directorate of Agricultural Research (GDAR)	R&D Programs, individual projects and Research Institutes in the field of Agriculture and food researches, including Mediterranean Agriculture	48.750.000*
TOTAL		48.750.000

*including salaries.

Research capacity

Research Institutions considered in the report	Agri-med area annual budget (full cost in €)	Human resources in Agri-med area (total N. scientists)
Menemen Soil and Water Resources Research Institute	2.187.000	42
Olive Research Institute	858.000	38
Bursa Food Control and Central Research Institute	1.388.000	44
Mediterranean Fisheries Research Production and Training Institute	1.558.000	33
Marmara Livestock Research Institute	530.000	22
Aegean Agricultural Research Institute	3.744.000	62
Ataturk Central Horticultural Research Institute	1.758.000	57
Fig Research Institute	343.000	25
Western Mediterranean Agricultural Research Institute	1.733.000	68
Alata Horticultural Research Institute	813.000	38



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Manisa Viticulture Research Institute	628.000	30
Egirdir Horticultural Research Institute	1.000.000	35
Pistachio Research Institute	1.485.000	38
Bornova Plant Protection Research Institute	444.000	36
Adana Plant Protection Research Institute	317.000	34
Ankara Soil Fertilizer and Water Resources Cenral Research Institute	1.195.000	62
Poultry Research Institute	169.000	18
Apiculture Research Institute	246.000	12
Cukurova Agricultural Research Institute	1.822.000	42
Cotton Research Institute	862.000	32
Etlik Central Veterinary Control and Research Institute	449.000	26
Footh and Mouth Institute	200.000	18
Adana Veterinary Control and Research Institute	301.000	22
TOTAL	24.030.000	834

The agri-Med research structure in the country

Agricultural Research is considered essentially as a public duty which is overwhelmingly covered by the Ministry of Agriculture and Rural Affairs (MARA) in Turkey. MARA implements and coordinates agricultural R&D activities through General Directorate of Agricultural Research (GDAR). GDAR has a 84 year experience in funding and coordinating research and development projects in every discipline of agriculture and agri-food. Currently it has been coordinating 53 research programmes undertaken by 23 research institutes on the relevant issues of Mediterranean agriculture.

GDAR Mandate with respect to agri-Med research: undertake high quality, problem oriented applied research and disseminate the results to the target groups in order to:

- supply the public with safe and high quality Mediterranean foods
- produce scientific data for developing policies to challenges such as climate change, global warming and agricultural drought
- conserve and sustainable use of plant and animal genetic resources
- produce high added value products particularly in comparative advantage Mediterranean crops
- promote economically, ecologically and socially sustainable organic agri-Med farming
- ensure sustainable use of scarce natural resources
- increase the country's competitiveness in agriculture and food in the Mediterranean

A new laboratory on organic agriculture will be created before the end of 2010 with an annual financial budget of 0.1 M €.



Priorities & Main research thematic area/programmes

- **Soil and Water management:** soil conservation, soil quality, soil pollution, improvement of affected soils, quality of irrigation water, efficient water use, irrigation systems;
- **Protected cultivation** vegetables & ornamentals; hybrids development, growing techniques, greenhouse management, plant protection;
- **Cereals:** breeding, agronomy, pathology, processing;
- **Stone and pome fruits:** plant breeding & growing techniques, plant protection, postharvest technologies;
- **Organic agriculture;**
- **Citrus fruits:** plant breeding & growing techniques, plant protection, postharvest technologies;
- **Nuts:** pistachio, almond and walnut;
- **Olives and olive oil:** plant breeding & genetic resources, growing and processing techniques;
- **Natural Ornamental plants;**
- **Cotton:** plant breeding, growing techniques, plant protection, fibre quality;
- **Viticulture:** plant breeding & genetic resources, plant protection, growing and processing techniques;
- **Quality and safety of food and feed/traditional Mediterranean foods;**
- **Animal health;**
- **Fisheries management and technology & Aquaculture;**
- **Pulse crops:** Food legumes;
- **Figs:** Plant breeding & genetic resources, growing techniques, postharvest technologies;
- **Plant Genetic resources;**
- **Animal genetic resources.**

Future perspectives in the Agri-Med research

It is envisaged that more intensive high quality research on agri-Med issues should be undertaken particularly under the high priority programmes; for this, we really need to collaborate with relevant Mediterranean countries with complementary properties in multi-disciplinary projects.

Turkey is very interested in trans-national collaboration with other Mediterranean countries. However, Turkish agricultural researchers have some problems with international collaboration, mainly due to being not good enough in foreign language (English) and international cooperative research experience.

Perspectives for cooperation and sharing activities : GDAR is currently arranging intensive English training courses for research staff who are likely to be partners in international cooperation, and encouraging the potential scientists to participate in FP 7 Framework and other programme calls. For the mid-term, the outlook for sharing activities with ARIMNet partners seems not discouraging.

Contact Points for information

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