

## Tunisia

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# TUNISIA

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## INTRODUCTION

Organic Agriculture is relatively new in Tunisia. It started in the middle of the eighties by private initiatives and evolved slowly until 1997. The latter years were characterized by a high increase in area and number of farmers, crop diversification and the organization of the organic sector. This important development was the result of policies supporting this sector and underlined in a national strategy based on the following aspects.

## REGULATORY ASPECTS

### Regulation

The reference legislation in Tunisia is IFOAM Basic Standards, EU Regulation and Codex Alimentarius Guidelines. A national regulation was elaborated during the period of 1999-2004. It is being completed by the processing and labeling aspects. The main characteristics of the Tunisian Regulation are:

#### *Framework*

- Law related to Organic Agriculture
- Decree related to certification
- Order of the Minister of Agriculture related to Organic plant production
- Order of the Minister of Agriculture related to Organic animal production
- Order of the Minister of Agriculture related to processing and labeling (in preparation)
- Other decrees related to Organic Agriculture (see complete list in Annex 1)

Tunisia presented a dossier to the EU in order to be registered on the List of Article 11.

The competent authority is the National Commission for Organic Agriculture. Its main tasks are:

- to prepare proposals for the promotion of Organic Agriculture and support;
- to study all files and documents related to Organic Agriculture; and
- to approve or withdraw Certification bodies.

### **Inspection and Certification bodies** (see complete list with addresses in Annex 4)

There are four Inspection and Certification bodies operating in Tunisia after obtaining their agreement from the Ministry of Agriculture, Environment and Natural resources. They comply with the IFOAM standards, EU regulation and Tunisian legislation. All of them have representative bureaus in Tunisia.

- ECOCERT
- IMC
- LACON
- BCS

### **Incentives and subsidies**

#### *Tax breaks*

Like other agricultural investments, Organic Farming benefits from the following tax reductions:

- Deduction from the tax base of all investment incomes and benefits during the first ten years.

- Deduction from the tax base of incomes and benefits reinvested in subscription for the initial capital of the companies or its increase, including invested benefits in the company.
- Exemption from custom duties and suspension of VAT for imported implements which do not have locally manufactured equivalent and suspension of VAT for locally produced implements enumerated in the decree N°1030 of May2, 1994 and the amending and completing decrees.
- Reimbursement of the fees spent on the contracts of the change of the ownership of agricultural lands intended for the investment at the purchaser's request. This request must be presented no later than one year after the declaration of the investment.

Moreover, the projects related to organic production which is oriented totally to export also have the following benefits:

- Exemption from custom duties and suspension of VAT for the acquisition of implements and supplies necessary for production.
- Possibility of local marketing at the rate of 30% of the production value.
- Recruiting of four foreign supervisors without prior agreement.

#### *Financial benefits*

- Subsidies, related to project study fees, equivalent to 1% of investment amount and up to 1 500 Tunisian Dinars (TD) for B category investment and 5 000 TD for C category investment.
- Investment subsidies fixed at 30% of the value of equipment, implements and means specific to organic projects.
- Annual subsidies over a five-year period to cover the inspection and certification fees, equivalent to 70% of the cost, provided that the overall value of the subsidies does not exceed 5 000 TD.

## **RESEARCH**

### **Institutions**

The main institutions involved in research activities are supervised by the **Agricultural Institution of Research and Higher Education (IRESA)**  
30 Rue Alain Savary, Tunis, Tunisia  
Tel: + 216 71 782 156 ; Fax: +216 71 796 170.

#### *Research institutions*

- Institut National de la Recherche Agronomique (INRAT)  
2049 Rue Hédi Karray, Ariana, Tunisia . Tél: +216 1 230 024 ; Fax: +216 71 716 537.
- Centre de Recherches Phoenicicoles / INRAT, Degache, Tunisia. Tél /Fax: 216 6 420 085
- Institut de l'olivier , Route de l'aéroport, km 1.5, BP 263, 3000 Sfax, Tunisia ;  
Tel: + 216 74 241 240 ; Fax: 216 4 241 033
- Institut des Régions arides, 4119 Mednine, Tunisia. Tel: +216 75 633 421; Fax: +216 75 633 006.

#### *Academic Institutions*

- Institut National Agronomique de Tunis. 43 Avenue Charles Nicolle. 1082 Tunis Mahrajène, Tunisia. Tel: 216 1 287 110 ; Fax: + 216 71 799 391.
- Ecole Supérieure d'Horticulture et d'Élevage de Chatt Meriem, 4042 Sousse, Tunisia.  
Tel: 216 3 348 544; Fax: + 216 73 348 691.

- Ecole Supérieure d'Agriculture du Kef , 7119 Kef. Tunisia. Tel: +216 78 223 086 ; Fax: + 216 78 228 909.
- Ecole Supérieure d'Agriculture de Mograne, 1131 Mograne - Zaghouan. Tunisia. Tel: +216 72 660 043 ; Fax: +216 72 660 563.
- Ecole Supérieure d'Agriculture de Mateur, 7030 Mateur. Tunisia. Tel: +216 72 465 074 ; Fax: +216 72 468 088.

#### *Technical Institution*

#### **- Technical Center of Organic Agriculture**

Centre technique de l'Agriculture Biologique (CTAB)  
B.P 54, Chatt Meriem, 4042, Sousse, Tunisia.  
Tel: +216 73 346 279 ; Fax: + 216 73 346 277.

#### **Research and experimental activities**

- Daami RM. 2001. Biological control against *Fusarium* spp causing dry rot of potato tubers. *Trichoderma harzianum*, and *Bacillus thuringiensis* limited the mycelium growth of all *Fusarium* spp. and the development of potato dry rot compared to the non treated control.
- Chaieb I. 2001. Study of bioinsecticide potential of *Cestrum parquii* (herit) on some harmful lepidoptera. Liquid extract of *Cestrum* caused a repellent effect of *Pieris brassicae* that attack cabbage. Cabbage leaves treated with *Cestrum* extract caused the larva mortality of *Spodoptera* and *Helicoverpa*.
- Ghohtane A. 2001. Effects of different soil types and manure doses on organic peppermint. The peppermint crop grown organically on alluvial soil amended with 30 Tons/Ha of mature sheep manure gave a high percentage of essential oils and a yield similar to conventional crop. The peppermint bio-products issued from distillation are rich in mineral elements and are suitable for composting.
- Attia F. 2001. Agro-physiological and ecological aspects of fertilization by using natural phosphate (NP) and liquid olive by-products (LOBP) on organic olive crop. The simultaneous use of NP and LOBP seems to equilibrate the fertilization value of LOBP. The use of 60 m<sup>3</sup> LOBP and 150 kg of NP per hectare gave 229 kg of N, 61 kg of P<sub>2</sub>O<sub>5</sub> and 211 kg of K<sub>2</sub>O and led to beneficial effects on soil: high contents of organic matter, P, K and Mg.
- Sassi K. 2002. Variety testing of wheat under organic and conventional conditions. Fourteen varieties of wheat were tested for their morphological and agronomical aspects. The local cultivars Khair and Benbechir gave higher yields in organic crop than in the conventional: 1.89 and 1.84 Ton/Ha in organic agriculture against 1.06 and 0.84 Ton/Ha for conventional agriculture. The local cultivars Benbechir and Badri gave higher quantities of straw in organic crops than in the conventional: 6.05 and 4.77 Tons/Ha in Organic Agriculture against 2.97 and 2.93 Tons/Ha for conventional agriculture.
- Djebali N. 2002. Census of fungi attacking the weed plant *Raphanus raphanistrum* and possibility of biological control. The fungi which attack *Raphanus raphanistrum* in the field led to a reduction of 50% of pod production of this weed. The proliferation of this weed is controlled by fungi.
- Balti O. Biological control of *Ascochyta rabiei* of chickpeas (*Cicer arietinum*). *Bacillus cereus* and *Trichoderma* limited the development of the disease caused by *Ascochyta rabiei* on chickpea.
- Regaieg H. 2002. Effect of nettle extract as bio-insecticide on orchard aphids. Nettle extract showed a repelling effect against aphids of fruit trees and gave significant efficiency but late in the season.

- Hibar K. 2002. Biological control of tomato root *Fusarium*.  
The biological products based on *Trichoderma* or soil microorganisms were more efficient in vitro and in vivo by reducing the mycelium growth and stopping the disease.
  
- Alimi E. 2002. Study of "Spinosad" efficiency on fruit flies.  
In farms trials showed the efficiency of "Spinosad" (Tracer apât): 1 liter/ha) against *Ceratitis capitata* and *bactrocera oleae* attacking citrus and olives respectively.
  
- I.O. 2000. Biological control of olive pests.  
Traps based on nutritive substances and sex pheromones were efficient against fruit flies and olive moth respectively. The release of *Trichogramma* and the spray of *Bacillus thuringiensis* also were efficient against olive moth.
  
- I.O. 2001. Compost composition issued from animal manure and olive solid by-products (ODBP).  
The chemical analysis of composts issued from 66% of OSBP, 17% of cattle manure and 17% of sheep manure gave a final product with 45% of organic matter, 2.7% of nitrogen, 0.3 % of P, 0.6 of K and c/n ratio of 11.4.
  
- Bcini H. 2002. Composting of dry palm leaves in the southern oasis.  
Crushed dry palm leaves added to poultry manure gave a C/N ratio of 35 and later on a good compost to be used in the date palm farms of the south.
  
- Daami-Remadi M.2001. Anatonistic activity of *Trichoderma harzianum* vis a vis *Pythium aphanidermatum* and *Pythium ultimum* causing humid rot of potato tubers.  
The use of *Trichoderma harzianum* led to a good control of *Pythium aphanidermatum* and *Pythium ultimum* causing humid rot of potato tubers *in vitro* and *in vivo* tests.
  
- Khoualdia O. 1995. Biological control of *Ectomylois certoniae* attacking dates.  
The release of *Trichogramma* led to a reduction of *Ectomylois certoniae* attacking dates in southern oasis.
  
- Khoualdia O. 1997. Biologocal control of *Ectomylois certoniae* attacking dates.  
The release of *Phaerotoma ocularis* at the end of August - the beginning of September on southern oasis helped controlling *Ectomylois certoniae*.
  
- Triki M. 1996. Biological control of potato tuber rot.  
*Trichoderma* spp showed a high antagonistic effect against *Fusarium* spp and *Phytophthora erythroseptica* causing potato tuber rot.
  
- Ben Salah H. 1994. Biological control of potato tuber moth.  
The use of *Bacillus thuringiensis* and granulizes virus led to a good control of potato tuber moth.
  
- CTAB. 20002004.  
\* Variety testing of vegetables.  
Some registered varieties in conventional agriculture were tested under protected cultivation and in farm trials. Some cultivars performed well under organic conditions and were tested under various organic practices.
  
- \* Effect of compost on potato crop.  
Various compositions of composts issued from different combinations of animal manure (cattle, sheep, poultry, horse) added to natural phosphate improved potato growth and yield.
  
- \* Effect of compost tea as fertilizer and phytosanitary product.  
Compost tea extracted from a mixture of composted organic materials (cattle manure, sheep manure, poultry manure and cereal straw) gave similar results as commercial liquid fertilizers on potato crop. This compost tea was tested against plant fungi. *In vitro* tests showed that the compost tea was effective against the following fungi: *Alternaria* sp, *Rhizoctonia solani*, *Phytophthora erythroseptica*, *Fusarium solani*, *F. oxysporum*, *F. roseum*, and *F. graniearum*. In a potato field, the compost tea used as foliar spray, reduced late blight damage but its effectiveness was slightly lower than the copper treatment. This effectiveness may be due to the various substances and organisms present in the compost tea.

## **Future Research and experimental activities**

### *Research results adaptation*

Many national and international research results, which can be applied to Organic Agriculture, are being adapted at experimental stations and in organic farm trials (i.e: fertilization, plant protection etc.).

Some research projects dealing only with Organic Agriculture and related to plant and animal production are under way at the university and research institutions. The major lines of testing are:

- variety testing (vegetables...),
- compost quality, use of various organic matters (farm by-products and manure),
- cultural practices (grafting ...),
- disease and pest control (olives, date palms, vegetables...),
- animal production techniques.

### *Proposal of new Research and experimental activities*

- Variety breeding and adaptation to organic conditions
- Organic Matter management in relation to soil types and grown crops
- Compost and compost tea management
- Renewable products management
- Preventive measures in plant and animal production
- Pest, disease and weed control
- Animal feed management
- Animal health care
- Processing studies of some organic products

### *Potential partners*

- National research and academic institutions
- IAM Bari
- FIBL Switzerland
- GRAB France
- Mediterranean research and academic institutions

## **TRAINING**

### **Academic training**

Some modules in Organic Agriculture are being offered to students (agricultural technicians and engineers) at different agronomic institutes. A sort of specialization is being planned for engineer students at one of these institutes. Two Masters of Science are being offered in Sustainable Agriculture and protection in Organic Agriculture.

### **Professional Training**

Many days of training, short sessions and short courses on various topics of Organic Agriculture were offered to technicians, engineers and farmers. This training led to the set-up of regional networks. Each region has:

- three technicians / engineers representing the regional agricultural service, the regional agricultural training center and the regional union of agricultural farmers which are in charge of information extension and training of the professionals.
- the professionals involved in Organic Agriculture: production, processing, marketing etc....

## STRUCTURES AND ORGANIZATIONS

Structures and organizations involved directly and totally in Organic Agriculture (see complete list with addresses in annex 2)

### Administrative level

- National Commission of Organic Agriculture
- National Bureau of Organic Agriculture
- Technical Center of Organic Agriculture
- Technical Regional Networks in Organic Agriculture
- Organic Units in Inter-Professional Organizations
- Other organizations and institutions involved indirectly or partially in Organic Agriculture (see complete list with addresses in Annex 3).

### Professional level

- National Federation of Organic Agriculture
- Many Organic Farmers Associations (see complete list related to operators, crops and addresses in Annex 5)

## ORGANIC AGRICULTURAL SECTOR

Tables 1, 2 and 3 show respectively the evolution of organic area and number of farmers, crop area, production and percentage. Organic animal production is still in the early phase of beginning and the number of converted animals is still low (Table 4).

Table 1. Evolution of organic area and number of farmers

Years	1997	1998	1999	2000	2001	2002	2003
Area (ha)	300	7 201	15 036	15 036	16 533	18 638	33 500
Number of farmers	10	63	141	141	294	481	580

Table 2. Organic crop area (2003)

Crops	Area (ha) *	%
Olives	27 730.34	82.78
Almonds	1 609.50	4.81
date palms	1 176.41	3.52
Other Fruit trees	525.37	1.57
Aromatic plants / jojoba	364.52	1.09
Vegetables	180.28	0.54
Cereals	403.40	1.20
Forage	28.50	0.08
Pasture	1 178.00	3.51
Forest	99.00	0.29
Cactus	150.00	0.45
uncultivated soil	54.75	0.16
Total	34 500.07	100.00

\* About 75% certified and 25% in conversion

Localization: mostly in the center and the south and a few in the north of the country.

No organic farms are owned by foreign companies. A partnership between Tunisians and foreigners exists in few farms (about 400 ha).

Table 3. Organic plant production (2003)

Crops	Production (tons) *	%
Olives	34 060	86.53
Dates	2 900	7.37
Vegetables	937	2.38
Fruits	805	2.04
Other crops	662	1.68
Total	39 364	100.00

\* There are about 20 processing units localized mostly in the center and the south and a few in the north of the country.

Table 4. Organic animal production (2003)

Sheep (NB animals )	Cattle (NB animals)	Bees (NB Hives)
5 221	20	191

## AGRONOMIC ASPECTS

### Soil fertility

In Tunisia soil is generally poor (low organic matter content, low biological activity and poor structure). The main problems of soil fertility improvement are related to:

- the introduction of green manure in rotation programs;
- the training of farmers on compost management (of different organic matter origins );and
- the discovery of authorized organic and mineral fertilizers (in sufficient quantity) in the country.

### Pest and weed Control

The control of some pests and diseases is not efficient because many authorized products cannot be found in the country and are not yet registered. In this respect, a preparation of a list of registered products has been complied with.

A rational crop rotation for good weed control is not always adopted by the farmers.

Working towards the biological equilibrium and bio-diversity restoration should be a priority.

### Technical means

There are some constraints regarding the import of technical means. They are as follows:

- a list of recorded inputs authorized in Organic Agriculture which is short and incomplete .
- the import of organic matter is still prohibited.
- components used in Organic Agriculture (i.e, compost and weed management) are not well known by the farmers

### Main authorized material for soil fertilization, protection and processing

- local organic matter
- natural minerals allowed by EEC regulation
- sulfur products
- copper products
- mineral oils
- Bacillus thuringiensis
- Pheromones in traps
- methaldehyd in traps
- local natural predators and enemies (i.e, beneficial insects)
- additives and processing aids allowed by EEC regulation

A complete list of authorized material has already been prepared.



## Propagating material

Seeds, seedlings and other propagating material used in Organic Agriculture are both local and foreign, either organically certified or not chemically treated. Olives and date palm were planted a long time ago.

## Local companies

Producing technical means are underway but on a small scale. Some farmer associations started to produce compost and local predators. Other projects are being prepared.

## MARKET ASPECTS

The Tunisian Organic products are produced in sustainable agro-ecosystems and are thus of good quality (i.e. oasis of date palms, olive farms)

Most of the production is directed to the export market and sold as typical Tunisian products. The main products are: olive oil and dates (Table 5). The production of other crops is still low and is marketed mainly in the local market, but there doesn't exist a real local market for organic products as yet. A strategy is being prepared to encourage local consumption and marketing of organic products.

The main foreign markets and the relative types of products are:

Olive oil	Italy, Spain, USA, France, Germany, Australia and Switzerland
Dates	Germany, Great Britain, The Netherlands, Belgium, France, Spain, Switzerland and Italy
Vegetables	France and Great Britain
Jojoba	Switzerland
Aromatic plants	Italy, France

Recently, some companies started to export organic products. They are CHO, Med Gold, Borges, Sfax huile, Agro CRC, CCF.

Farmer associations that continue to export their products are Zayatine Sfax, beni GhriB.

Some farmers are producers and exporters and thus export their produce by themselves: Abou Walid, H. Kilani, Ben Ayed, F. Neifer, F. Chleifa, MK.Ellouze , J. Boukriss.

Other farmers have entered into contracts with exporting companies.

The marketing of Tunisian organic products was improved gradually compared to the period 1999-2002. The main export constraints are based on the lack of:

- market assessment and a marketing plan (evaluation of opportunities, future demands and prices of organic products)
- efficient regional and national marketing networks for organic products

The promotion of organic production is now effected through participation at the national and international fairs. A strategy is being prepared to promote marketing of organic products abroad.

Table 5. Production and exportation of the main organic products : olive oil end dates

	Season	Products	Olive oil	Dates
Productions (Tons)	1999/2000		3000	400
	2000/2001		1000	2500
	2001/2002		338	1732
	2002/2003		400	2900
	2003/2004		6721	3500
Exportations (Tons)	1999/2000		400	425*
	2000/2001		600	678
	2001/2002		368*	739
	2002/2003		180	830
	2003/2004 (August 04)		2098	789

N.B. \* included one part of the previous production

## INTERNATIONAL COOPERATION

Good relationships were set up with the following institutions and organizations, regard to expertise, training and information exchange:

- Mediterranean Agronomic Institute of Bari (Italy)
- Technical Institute of Organic Agriculture (France)
- Research Institute of Organic Agriculture (Switzerland)
- Food and Agriculture Organization (FAO)
- International Federation of Organic Agricultural Movements (IFOAM)
- International Society for Organic Agriculture Research (ISOFAR)

## CONCLUSION

Many crops and regions can be converted easily in Organic Agriculture because:

- The conversion conditions are very favorable: unfavorable climatic conditions to pests and diseases, biodiversity and traditional cultural practices.
- The national strategy is related to all aspects of Organic Agriculture and implies coordination and cooperation of all partners.

The major needs for the development of Organic Agriculture in Tunisia are:

- Training for technicians and farmers
- Supply of organic fertilizers and authorized products to be used in plant and animal production.
- Establishment of Farmers' Associations
- Promotion strategy of marketing at national and international levels
- Registration of Tunisia on the list of Article 11 of UE regulation.

#### Annex 1. National regulation (Now only in French and Arabic)

- Law N° 99-30 of April 5, 1999 relative to Organic Agriculture.
- Decree n° 99-1142 of May 24-1999 fixing the composition and mode of working of the National Organic Farming Commission.
- Law N°99-66 of July 15, 1999 amending and completing the investment incentive code issued by law N°99-120 of December 27, 1993.
- Decree n° 99-2027 of September 13-1999 completing decree n° 94-427 of February 14,1994 concerning investment classification and fixing the conditions and modes of incentive granting in the agriculture and fishing sectors.
- Order of the Minister of Agriculture of October 2,1999 concerning the approval of the Technical Center of Organic Agriculture statute
- Decree n° 99-2361 of October 27-1999 amending and completing decree n° 96-1563 of September 9,1996, fixing the rules of organization and working and the modes of intervention of the Competitiveness Development Fund in the agriculture and fishing sectors
- Order of the Minister of Agriculture of October 29, 1999 relative to designation of the members of the National Commission of Organic Agriculture.
- Decree N° 2000-409 of February 14, 2000 fixing the agreement conditions of the inspection and certification bodies and the procedures of control and certification in the Organic Agriculture sector
- Decree N° 2000-544 of March 6, 2000 fixing the list of specific equipment, implements and means necessary for the organic production.
- Decree N° 2000-1888 of August 24,2000 completing decree N° 98-749 of March 30,1998 concerning the creation of premiums of the President of the Republic for promotion of agricultural activities.
- Order of the Minister of Agriculture of February 28, 2001 concerning the approval of standard specifications of plant production according to the organic mode.
- Order of the Minister of Agriculture of February 28-2001 fixing the length of the period of authorization to use seeds and vegetative multiplication products not obtained according to the organic mode of production.
- Order of the Minister of Agriculture of July 4,2001 fixing the procedure of concession of authorization to private exporters for exportation of Tunisian organic olive oil and bottled Tunisian olive oil under the Tunisian label as part of the annual quota attributed to Tunisia by the European Union.
- Decree N°2001-2406 of October 8, 2001 amending the decree N° 96-1563 of May 24, 1999 fixing the composition and the functioning conditions of the National Commission of Organic Agriculture.
- Decree N°2002-3274 of December 17, 2002 amending the decree N°96-1563 of September 1996, fixing the functioning and organization rules and the intervention methods of the Competitiveness Development Fund in the agriculture and fishing sectors
- Decree N° 2003-193 of January 27, 2003 authorizing the private exporters to export Tunisian olive oil under the quota attributed to Tunisia by the European Union.
- Order of the Minister of Agriculture (at press) relative to standard specifications of organic animal production.
- Order of the Minister of Agriculture (in preparation) relative to processing and labeling of organic products.

## Annex 2. Structures and organizations involved directly and totally in Organic Agriculture

- National Commission of Organic Agriculture  
Ministry of Agriculture, Environment and Hydraulic Resources  
30 Alain Savary, Tunis, Tunisia
- National Bureau of Organic Agriculture  
Ministry of Agriculture, Environment and Hydraulic Resources  
30 Alain Savary, Tunis, Tunisia  
Tel: + 216 71 842 269 and + 216 71 787 190 ; Fax: + 216 71 780 246
- Technical Center of Organic Agriculture  
P.O.Box 54, Chatt Meriem, 4042, Sousse, Tunisia.  
Tel: +216 73 346 279 and + 216 73 346 278; Fax: + 216 73 346 277.
- Technical Regional Networks in Organic Agriculture  
24 Regional Agricultural services (CRDA)
- Organic Units in Inter-Professional Organizations  
Groupement Interprofessionnel des Légumes (GIL)  
B.P. 178, 1002 Belvédère, Tunis, Tunisia.  
Tel: + 216 71 793 056 ; Fax: + 216 71 801 686
- Groupement Interprofessionnel des fruits (GIF)  
4 Rue Ahmed Triki, 1002 Belvédère , Tunis, Tunisia  
Tel: + 216 71 787 721 ; Fax: +216 71 784 345
- National Federation of Organic Agriculture  
Union Tunisienne de l'Agriculture et de la Pêche  
Rue Alain savary, Cité El-Khadra 1003, Tunis, Tunisia.  
Tél : + 216 71 800 800 ; Fax : + 216 71 798 568.

Annex 3. Organizations and institutions involved indirectly or partially in Organic Agriculture.

- Agricultural Investment promotion Agency (APIA)  
62 Alain Savary, 1003 Tunis, Tunisia.  
Tel: + 216 71 771 300 ; Fax: + 216 71 796 453.
- Agricultural Institution of Research and Higher Education (IRESA)  
30 Rue Alain Savary, Tunis, Tunisia  
Tel: + 216 71 782 156 ; Fax: +216 71 796 170
- Agricultural Training and Extension Agency  
30 Rue Alain Savary, Tunis, Tunisia  
Tel: + 216 71 789 025 ; Fax: +216 71 797 280
- General Department of Protection Quality of Agricultural Products  
30 Rue Alain Savary, Tunis, Tunisia  
Tel: +216 71 788 979 ; Fax: +216 71 784 419
- General Department of Veterinary Services  
30 Rue Alain Savary, Tunis, Tunisia  
Tel: +216 71 794 586 ; Fax: + 216 71 787 906
- Many other organizations and institutions related to olive oil, cereals, animal husbandry, regional development.

## Annex 4. Inspection and certification bodies

Organisms	Adresses	Tel	Fax	E-mail
ECOCERT	Gueterbahnhofstr,10 D-37154 Northeim ALLEMAGNE	00495551908430	004955519084380	info@ecocert.de
	Bureau de TUNISIE 35 A complexe ELMANAR Rue Habib Thameur 3000 Sfax	00216 74 225 458	0021674 297 602	Ecocert-sfax@gnet.tn
IMC	32 Via Pisacane, 60019 Senigallia Ancona – Italie	00390717928725	00390717910043	imcert@imcert.it
	<u>Bureau de TUNISIE</u> 16, Rue Mouaouia Ibn Abi Soufiene 1002, Belvédère Tunis	0021671 283 126	00216 71 283 419	imctunisie@libero.it imctunisie@imcert.it
BCS	Cimbernstrasse, 21 D-90402 Nürnberg ALLEMAGNE	0049911424390	0049911492239	info@bcs-oeko.com
	<u>Bureau de TUNISIE</u> 21 Avenue Taieb Mhiri 7100 Le Kef	00216 98 237 412	-	beji_sadreddine@yahoo.fr
LACON	Weingartenstr.15, D-77654 Offenburg ALLEMAGNE	00497819193730	00497819193750	lacon@lacon-institut.com
	<u>Bureau de TUNISIE</u> LACON, BP 34 Monastir 5000	0021697 892 046	00216 73 466 436	amel_hizem@yahoo.fr

Annex 5. Organic operators, activities and addresses (for Tel and Fax: start with 00216)

**- Olives**

Operators	Activities	Adresses	Tel	Fax
Consortium	Marketing	71 Rue Hédi Chaker 3000 Sfax	74 846 951 74 221 421	74 299 203
Eletizez 2 c/o société ZAYATINE	Production- Processing Marketing	Menzel bouzaiène Sidi Bouزيد	74 211 334	74 296 814
Zayatine Sfax	Production- Processing Marketing	Immeuble Abid 101 Avenue d'Algerie Sfax	74 212 241	74 221 755
Med Gold	Production- Processing Marketing	BP 44 Menzel Kamel 5013	73 480 420	73 480 420
Agri bio Star	Production Marketing	98 Rue des Catacombes Bouhssina Sousse		
Le jardin Biologique de la Méditerranée	Production- Processing Marketing	B.P. 61 Chott mariem 4042 Sousse		71 745 620
SMVDA EI Baraka	Production- Processing Marketing	22 Rue d'Irak 1002 Tunis	282 834 71 71 800 186	71 833 633
Groupement Obligatoire des Vignes et Plants Fruitières « GOVPF »	Production- Processing Marketing	6 Rue Habib Thameur 1069 Tunis	71 256 968 71 336 092 71 255 035	71 345 965
Promag- Société c/o Mabrouka société SALAMMBIO	Production	Rue de Bamako 2023 Sidi Fathalleh	71 393 588	71390175
Cooperative Centrale Oleicole	Processing « table olive » Commercialisation	Chaouat ou Av. Habib Bourguiba 1002 Tunis	71 225 092	71 335 167
Amna	Production « table olive » Marketing	Bouslah km 3, route de Goubellat Testour		
SMVDA SELTEN c/o société SALAMMBIO	Production	Rue de Bamako 2023 Sidi Fathalleh	71 393 588	71 390 175
Khiraa	Production Transformation	Somaa km 12 route Beni Khiar	71 429 232	
SMVDA EI Fejj	Production- Processing Marketing	3114 Menzel Mhiri – Kairouan	77 375 651 77 375 647	77 229 900



Operators	Activities	Adresses	Tel	Fax
Groupe ben Ayed frères c/o société ZAYATINE	Production Processing	Route Gremda Km 2 Sfax	74296599	74297 112
Sté SFAX HUILE	Processing	B.P.76- Sakiet Eddayer 3011 SFAX	74 830 533	74 830 534
Famille Bibi	Production- Processing Marketing	Huilerie Bibi cité des huileries Elmahres Sfax 3060	74 290 093	74 290 976
Groupe Kilani	Production- Processing Marketing	Route de l'aéroport km 1 Sfax 3000	74 240 831	74 456 132
Groupe Boukhris	Production- Processing Marketing	Avenue Habib Bourguiba Merjel hammami N°5 Sakiet Ezzit 3021 Sfax	74 658 402	74 658 402
Société Abou Walid	Production- Processing Marketing	7 Rue Amilcar, 1000 Tunis	71 326 122 74 659 541	71 322 712 74 659 410
Neptune Internationale	Processing	20 Rue 18 Janvier Tunis	71 353 289	71 354 920
Société de Conditionnement des Huiles	Processing	Route de Mahdia km 10 Sfax	74 831 522	74 831 067
IMEX	Processing	Route d'Agareb km 17 Sfax	74 226 063	74 271 645
Socohuile	Processing	Route de Mahdia km 10 Sfax	74 831 602	
Caasa	Production	Route de menzel Chaker km 56		
Groupe SMVDA EIKhadra	Production- Processing Marketing	48 Avenue kheraddine Bacha 1332 Tunis	77 466 800 71 781 344	71 785 161
SMVDA Mabrouka	Production- Processing Marketing	83 Rue Houcine Bouzeine Tunis 1002	71 332 195	71 347 717
UTAIM Gafsa	Production Commercialisation	Rue d'Algérie- cité des jeunes 2100 GAFSA	76 225 571 76 221 891	76 224 583
Famille Chamakhi	Production Marketing	8 Rue Sidi Ben Arouss 1008 Tunis	71 561 732	71 835 002
Famille Fendri	Production Marketing	71 Rue Hedi Chaker Sfax 3000	74 846 951 74 221 421	74 299 203
Famille Damak	Production Marketing	Route de l'aéroport km 8.5 Sfax 3000	74 642 051	74 221 755
Famille Chaker	Production Marketing	BP : 70 Marsa Safsaf 2078	72 275 074	72 275 074





Operators	Activities	Adresses	Tel	Fax
OTD	Production- Processing Marketing	60 Rue Alain Savary 1003 Tunis	71 800 322	71 795 026
			76 632 813	76 633 935
			74 290 045	74 258 620
			78 475 004	78 475 137
			78 638 479	78 638 479
Groupe Ellouze	Production Marketing	Route Gremda Km 1.5 Immeuble Ellouze Escalier A Sfax		74 264 008
BORGES	Marketing	Avenue Hedi Karray Imm. Comet	71 707 386	71 706 779
		– Immobilière-2 <sup>ème</sup> étage – Centre Urbain Nord - Cité Elkhadhra 1003 Tunis	71 707 043	
Famille Bouzouita	Production Marketing	3 Rue Amor Ben Kalthoum Tunis	71 767 234	71 893 022
Famille Kotti	Production Marketing	Centre Sabai Route Mahdia Km 9 Sfax	74 386 220	74396322
Famille Saïdi	Production Marketing	BP : 12 Tozeur 2243		
Famille Mnif	Production Marketing	BP : 30 Sakiet Ezzit Sfax	74 861 112	74861445
Famille Nifer	Production Marketing	BP : 4 Route Mahdia km 10 Sfax	74 831 274	74 831 064
Famille Chliefa	Production Marketing	Rue Jen Rouss 5051 Mahdia		73 681 578
Famille Nabil	Production Marketing	Malloussi Menzel Bouzaïen 9114 Sidi Bouzid	76 634 148	76672159
Famille Idriss	Production Marketing	STI 59 Rue Farhat Hachad 1001 Tunis	74 401 301	74 403 297
Famille Fourati	Production Marketing	37 Rue Habib Maazoun 3000 Sfax		74 405 089
Famille Baccouche	Production Marketing	Route El Ain km 6 Centre Ben Hlima Sfax	73 653 411	
Famille Gaaniche	Production Marketing	Zone Industrielle Bouderyara 2 Sfax 3002	74 238 525	74 235 389
			74 238 526	
Famille Sayadi	Production Marketing	Rue Abou Baccar Essedik Cité 4 N°171 Monastir 5000	73 530 927	73 530 624
Famille Tourki	Production Marketing	Oueslatia 9060 Testour	78 570 118	

**- Dates**

Operators	Activities	Adresses	Tel	Fax
South Organic	Production-Processing Marketing	BP : 33 Beyez 4280 Kebili	75 494 677 75 493 280	75 494 540
Fruit Center	Production-Processing Marketing	35 rue Moktar Attia 1000 Tunis	71 334 710 71 354 791	
Centre de conditionnement de fruit (C.C.F)	Production-Processing Marketing	Z.I. Douz – B.P 49 Douz 4260 ----- 19 Rue de Naplouse 1001 Tunis	75 471 104	75 470 355 75 471 104
Groupe Boujbel	Production-Processing Marketing	Avenue Hedi Karray Imm. Comet Immobilière-2 <sup>ème</sup> étage- Centre Urbain Nord 1082 Tunis	71 707 043 71 707 386	71 707 060
Bio dattes	Production Marketing	B.P.10 Tunis Cedex 1080	71 690 810	71 806 747
Société Horchani Bio Dattes	Production-Processing Marketing	Rue Labib 1002 Tunis	71 238 283 71 232 501	71 753 202
SMVDA le Paradis	Production-Processing Marketing	47 rue Kamel Ataturk 1001 Tunis	71 785 702	71 785 702
Oasis Etablissement Nouri	Production-Processing Marketing	Route Khlidia douar Elhouch Naassane Tozeur	71 398 323 76 462 663	76 453 033
Société Beni Ghrib	Production-Processing Marketing	Avenue Maghreb 2223 Hezoua Tozeur	76 440 103	76 440 102
Comptoir des dattes	Production- Processing Marketing	8099 Zaouit Djedidi Beni Khaled	72 371 330 72 370 473	72 370 306
Horchani dattes	Production-Processing Marketing	11 bis Rue Labib Tunis 1002	71 230 133 71 238 283 76 463 524	76 420 099 76 420 099 71 753 202 76 420 594
Société Bio Globe	Production Marketing	B.P.352– Sidi Bou Saïd 2026 Tunis	76 430 080 71 744 432	76 432 105
Société Midi Fruit	Production Marketing		71 431 114	71431 513
Société SUTRAREV	Marketing		73 243153	73 243 144
Famille Grioui	Production Marketing			75 491 504
Famille Lakhdhar	Production Marketing		76 452 497	76 452 211
Ets Ben Salah Bio	Production Marketing	BP : 200 Publipost Echabbia Tozeur		71 258 342

**- Almonds**

Operators	Activities	Adresses	Tel	Fax
Groupement Obligatoire des Vignes et Plants Fruitières « GOVPF »	Production Marketing	6 Rue Habib Thameur 1069 Tunis	71 256 968 71 336 092 71 255 335	71 345 965
Domaine Selma c/o société SALAMMBIO	Production	Rue de Bamako 2023 Sidi Fathalleh	71 393 588	71 390 175
SMVDA El Baraka	Production Marketing	22 rue d'Irak 1002 Tunis	282 834 71 71 800 186	71 833 633
Khiraa	Production	Somaa km 12 route Beni Khiar	71 429 232	
Eletizez 2 c/o société ZAYATINE	Production	Menzel Bouzaiène Sidi Bouzid	74 211 334	74 296814
Famille Bibi	Production Marketing	Huilerie Bibi cité des huileries Elmahres Sfax 3060	74 290 093	74 290 976
Société Abou Walid	Production Marketing	7 Rue Amilcar, 1000 Tunis	71 326 122 74 659 541	71 322 712 74 659 410
Zayatine Sfax	Production Marketing	Immeuble Abid 101 Avenue d'Algerie Sfax	74 212 241	74 221 755
Groupe SMVDA ElKhadra	Production Marketing	48 Avenue Kheradinne Bacha 1332 Tunis ----- 1250 Sbitla	77 466 800 71 781 344	71 785 161
SMVDA Mabrouka	Production Marketing	83 Rue Houcine Bouzeine Tunis 1002	71 332 195	71 347 717
Famille Bouzouita	Production Marketing	3 Rue Amor Ben Kalthoum Tunis	71 767 234	71 752 894
Famille Fendri	Production Marketing	71 Rue Hédi Chaker 3000 Sfax	74 846 951 74 221 421	74 299 203
Famille Nabil	Production Marketing	Malloussi Menzel Bouzaièn 9114 Sidi Bouzid	76 672 422	76 672 159
Famille Idriss	Production Marketing	STI , 59 avenue Farhat Hached 1001 Tunis	74 401 301	74 403 297
Groupe Ellouze	Production Marketing	Route Gremda km 1,5 Imm. Ellouze Escalier A Sfax		74 264 008

**- Other Fruit Trees**

Operators	Activities	Adresses	Tel	Fax
Groupement Obligatoire des Vignes et Plants Fruitières « GOVPF »	Production Marketing	6 Rue Habib Thameur 1069 Tunis	71 256 968 71 336 092 71 255 335	71 345 965
SMVDA EI Baraka	Production Marketing	22 rue d'Irak 1002 Tunis	71 834 282 71 800 186	71 833 633
Société Bio Production	Production Marketing	App 281, Imm 21 Cité les Olympiades 1003 Tunis	72 396 759 72 396 752 71 794 575	72 392 002 71 396 015
Khira	Production Marketing	Somaa km 12 route Beni Khia	71 429 232	
Zayatine Sfax	Production Marketing	Immeuble Abid 101 Avenue d'Algerie	74 212 241	74 221 755
UTAIM Sfax Sud	Production Marketing	Route El Aïn – Km 4 Merkez Sidi Jilani 3042 Sfax	74 263 224	74 616 237
Groupe SMVDA EIKhadra	Production Marketing	48 Avenue Kheradine Bacha 1332 Tunis ----- 1250 Sbitla	77 466 800 71 781 344	71 785 161
UTAIM Gafsa	Production Marketing	Rue d'Algérie- cité des jeunes 2100 GAFSA	76 225 571 76 221 891	76 224 583
OTD Thibar	Production Marketing	60 Rue Alain Savary 1003 Tunis	78 475 004	78 475 137
Famille Tourki	Production Marketing	Oueslatia Testour 9060	78 570 118	
Famille Fendri	Production Marketing	71 Rue Hedi Chakeur 3000 Sfax	74 846 951 74 221 421	74 299 203
Amna	Production Marketing	Bouslah Km 3 Route de Goubellat Testour		

**- Vegetables**

Operators	Activities	Adresses	Tel	Fax
SALAMBIO	Production Marketing	App 281, Imm 21 Cité les Olympiades 1003 Tunis	72 396 759 72 396 752 71 794 575	72 392 002 71 396 015
Société Bio Production	Production Marketing	App 281, Imm 21 Cité les Olympiades 1003 Tunis	72 396 759 72 396 752 71 794 575	72 392 002 71 396 015
Le jardin Biologique de la Méditerranée	Production Marketing	B.P. 61 Chott mariem 4042 Sousse		71 745 620
Agri bio Star	Production Marketing	98 Rue Des Catacombes Bouhssina Sousse	98 311 444 97 524 305	73 367 124
Famille Chaker	Production Marketing	Zoukak Km 31 Haouaria 8045	72 275 074	72 275 074
Ets Ben Saleh Bio	Production Marketing	BP : 200 publipost Ecchabia 2210 Touzeur		71 258 342
Famille Sayadi	Production Marketing	Rue Abou Bacar Essedik	73 530 927	73 530 624
Centre Technique de l'Agriculture Biologique (CTAB)	Production Marketing	B.P. 54 Chott Mariem 4042	73 346 278 73 346 279	73 346 277
Groupelement Obligatoire des Vignes et Plants Fruitières « GOVVF »	Production	6 Rue Habib Thameur 1069 Tunis	71 256 968 71 336 092 71 255 335	71 345 965
AGRO-CRC	Production Marketing	29 rue Al Amine Abbassi 1002 Tunis ----- B.P.89 – 9140 Meknassi	71 228 105 71 849 416 76 645 454	71 798 946 71 841 217
Zayatine Sfax	Production Marketing	Immeuble Abid 101 Avenue d'Algerie	74 212 241	74 221 755
Famille Nabil	Production Marketing	Mloussi Menzel Bouzaïen 9114 Sidi Bouزيد	76 634 148	76 672 159

**- Aromatic Plants**

Operators	Activities	Adresses	Tel	Fax
Ascheri "Fresh herbs" Tunisia S.A.R.L	Production Marketing	El Katrania Draa El Baten Kairouan		77 304 858
AGRO-CRC	Production Marketing	29 rue Al Amine Abbassi 1002 Tunis ----- B.P.89 – 9140 Meknassi	71 228 105 71 849 416 76 645 454	71 798 946 71 841 217
UTAIM Sfax Sud	Production Marketing	Route El Aïn – Km 4 Merkez Sidi Jilani 3042 Sfax	74 263 224	74 616 237
Société SANESCENCE	Marketing Marketing	Cité Amel, Sidi Ahmed Zarroug B.P.51 -2121 GAFSA	76 210 528	76 210 528
UTAIM Gafsa	Production Marketing	Rue d'Algérie- cité des jeunes 2100 GAFSA	76 225 571 76 221 891	76 224 583
Mohamed Sayadi	Production Marketing	Rue Abou Bacar Essedik Cité 4 N°171 Monastir 5000	73 530 927	73 530 624

**- Forage**

Operators	Activities	Adresses	Tel	Fax
SMVDA El Baraka	Production Marketing	22 rue d'Irak 1002 Tunis	71 834 282 71 800 186	71 833 633
Zayatine Sfax	Production Marketing	Immeuble Abid 101 Avenue d'Algerie	74 212 241	74 221 755
Groupe SMVDA EIKhadra	Production Marketing	48 Avenue Kheradinne Bacha 1332 Tunis ----- 1250 Sbitla	77 466 800 71 781 344	71 785 161

**- Cactus**

Operators	Activities	Adresses	Tel	Fax
Groupe SMVDA EIKhadra	Production Marketing	48 Avenue Kheradine Bacha 1332 Tunis ----- 1250 Sbitla	77 466 800 71 781 344	71 785 161
SMVDA Mabrouka	Production Marketing	83 Rue Houcine Bouzeine Tunis 1002	71 332 195	71 347 717
Société Zalfane	Production Marketing			

**- Cereals**

Operators	Activities	Adresses	Tel	Fax
Groupement Obligatoire des Vignes et Plants Fruitières « GOVPF »	Production Marketing	6 Rue Habib Thameur 1069 Tunis	71 256 968 71 336 092 71 255 335	71 345 965
Société Bio Production	Production Marketing	App 281, Imm 21 Cité les Olympiades 1003 Tunis	72 396 759 72 396 752 71 794 575	72392002 71396015
SALAMBIO	Production Marketing	Rue de Bamako 2023 sidi Fathallah	71 393 588 72 392 229	71 390 175
SMVDA SELTEN c/o société SALAMMBIO	Production	Rue de Bamako 2023 Sidi Fathallah	71 393 588	71390175
Agri bio Star	Production Marketing			
AGRO-CRC	Production Marketing	29 rue Al Amine Abbassi 1002 Tunis ----- B.P.89 – 9140 Meknassi	71 228 105 71 849 416 76 645 454	71 798 946 71 841 217
Famille Bibi	Production Marketing	Huilerie Bibi cité des huileries Elmahres Sfax 3060	74 290 093	74 290 976
Famille Nabil	Production Marketing	Malloussi Menzel Bouzaïen 9114 Sidi Bouزيد	76 634 148	76 672 159

Annex 6. source of collection of data and information

Information sources	Contact person	Type of the information source		
		Technical agronomic	Market statistics	- Legislative
Ministry of Agriculture CTAB	Mr. H. Mars Mr. A. Daloul Mr.M Ben Khedher			National Regulation
INRAT IRESA CTAB Institut de l'olivier INRAT-CRP	Mr. N. Hamza Mr. A. Mougou Mr.M Ben Khedher Mr. B. Ben Rouina Mr. Rhouma	Varieties and cultural practices : Vegetables Vegetables Vegetables Olive trees Date palm trees		
Institut de l'olivier ESHE-CM ESHE-CM	Mr. B. Ben Rouina Mr. S. Kamoun Mr.Y. Msadek	compost compost compost		
Institut de l'Olivier ESHE-CM ESHE-CM ESHE-CM	Mr. T. Jardak Mr. B. Chermiti Mme. M .Ben Halima Mr. M. Ben Hamouda Mr. H. Ben Salah	pests cont. pests contr. pests contr. pests contr.		
INRAT INRT INRAT-CRP ESHE-CM INAT	Mr. Dhouibi Mr. Khoualdia Mr. M. Mahjoub Mr. M. Bchir	pests contr. pests contr. pests contr. Disease con Nematode		
INAT CPRA ESHE-CM	Mr. R.Bergaoui Mr.A.Bessadok Mr. K. Kraiem	Animal production		
ECOCERT	Mr.M. Reynaud		Statistics : area, farmers, production	
IMC BCS	Miss. Imen Jaouadi Mr. Sadreddine Beji Miss. Amel Hizem			
Lacon DGPA	Mr. Mohamed Bouhdida Mme. S. Maamar Belkheria Mr. M.Ben khedher			
CTAB				
APIA			Promotion	
FNAB Zayatine	Mr. A. Ibala Mr. A. Ibala Mr. A. Ben Gaied		Market	
Beni Grib	Mr. Souheil Charfi			



Some of the contact persons are already involved in Organic Agriculture. Others are getting involved in Organic Agriculture.

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- Mr. A. Ben Gaied: Société Zayatine ; Immeuble Abid, N°101 Avenue d'Algérie, 3000 Sfax. Tunisie ; Tél : 216 4 212 241
- Mme. M .Ben Halima: : Ecole Supérieure d'Horticulture et d'Elevage de Chatt Meriem 4042 Sousse, Tunisie. Tél : 216 3 348 544
- Mr. M. Ben Hamouda: Ecole Supérieure d'Horticulture et d'Elevage de Chatt Meriem, 4042 Sousse, Tunisie. Tél : 216 3 348 692
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- Mr. H. Ben Salah: Institut National de la Recherche Agronomique (INRAT) 2049 Rue Hédi Karray, Ariana, Tunisie . Tél : 216 1 230 024
- Mr. R. Bergaoui: Institut National Agronomique de Tunis. 43 Avenue Charles Nicolle. 1082 Tunis Mahrajène, Tunisie. Tél : 216 1 287 110
- Mr. A. Bessadok: Centre de Perfectionnement et de Recyclage Avicole. 2020 Sidi Thabet, Tunisie ; Tel : 216 552 488
- Mr. M. Cherif : INNORPI , Rue Alain Savary, Cité El Khadra, 1003 Tunis , Tunisie. Tél : 216 1 785 922
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- Mr. T. Jardak : Institut de l'olivier , Route de l'aéroport, km 1.5, BP 263 3000 Sfax, Tunisie ; Tél : 216 4 241 033
- Mr. A. Ibala: Fédération Nationale des producteurs Biologiques Union Tunisienne de l'Agriculture et de la Pêche Rue Alain Savary, Cité El-Khadra 1003 Tunis, Tunisie. Tél : 216 1 800 800
- Mr. S. Kamoun: Ecole Supérieure d'Horticulture et d'Elevage de Chatt Meriem 4042 Sousse, Tunisie. Tél : 216 3 348 544
- Mr. Khoualdia: Centre de Recherches Phoenicoles, INRAT, Degache, Tunisie Tél : 216 6 420 085
- Mr. K. Kraiem : Ecole Supérieure d'Horticulture et d'Elevage de Chatt Meriem 4042 Sousse, Tunisie. Tél : 216 3 348 543
- Mme. S. Maamar Belkheria : Direction générale de la production Agricole Ministère de l'Agriculture, 30 Alain Savary, Tunis, Tunisie Tél : 216 1 787 190
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- Mr. H. Mars: Direction générale de la législation Ministère de l'Agriculture, 30 Alain Savary, Tunis, Tunisie. Tél : 216 1 842 317
- Mr. A. Mougou : Institution de la Recherche et de l'Enseignement Supérieur Agricoles (IRESA), 30 Alain Savary, Tunis, Tunisie. Tél : 216 1 782 474
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- Mr. Rhouma : Centre de Recherches Phoenicoles, INRAT, Degache, Tunisie Tél 216 6 420 085  
Germany, Tél: 49 55 22 951161