

Office National de Sécurité Sanitaire des Produits Alimentaires
National Office Of Sanitary Food Safety

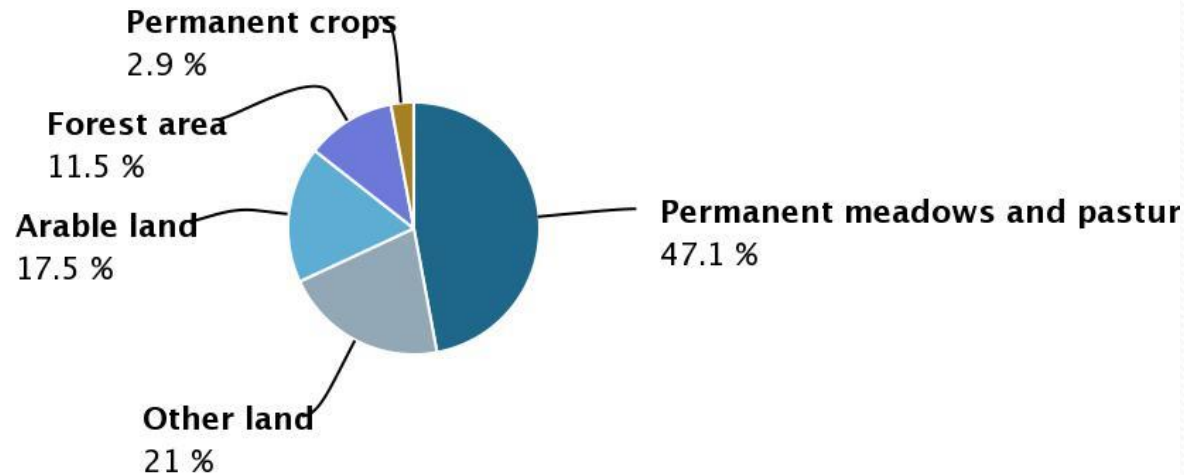
PRA training
Country data
MOROCCO

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Rabat : September 28 - October 2, 2015

Land Use (2011)



Source : Faostat

Crop production ➡ Important sector of industry of the country
40 % of the population living on this sector

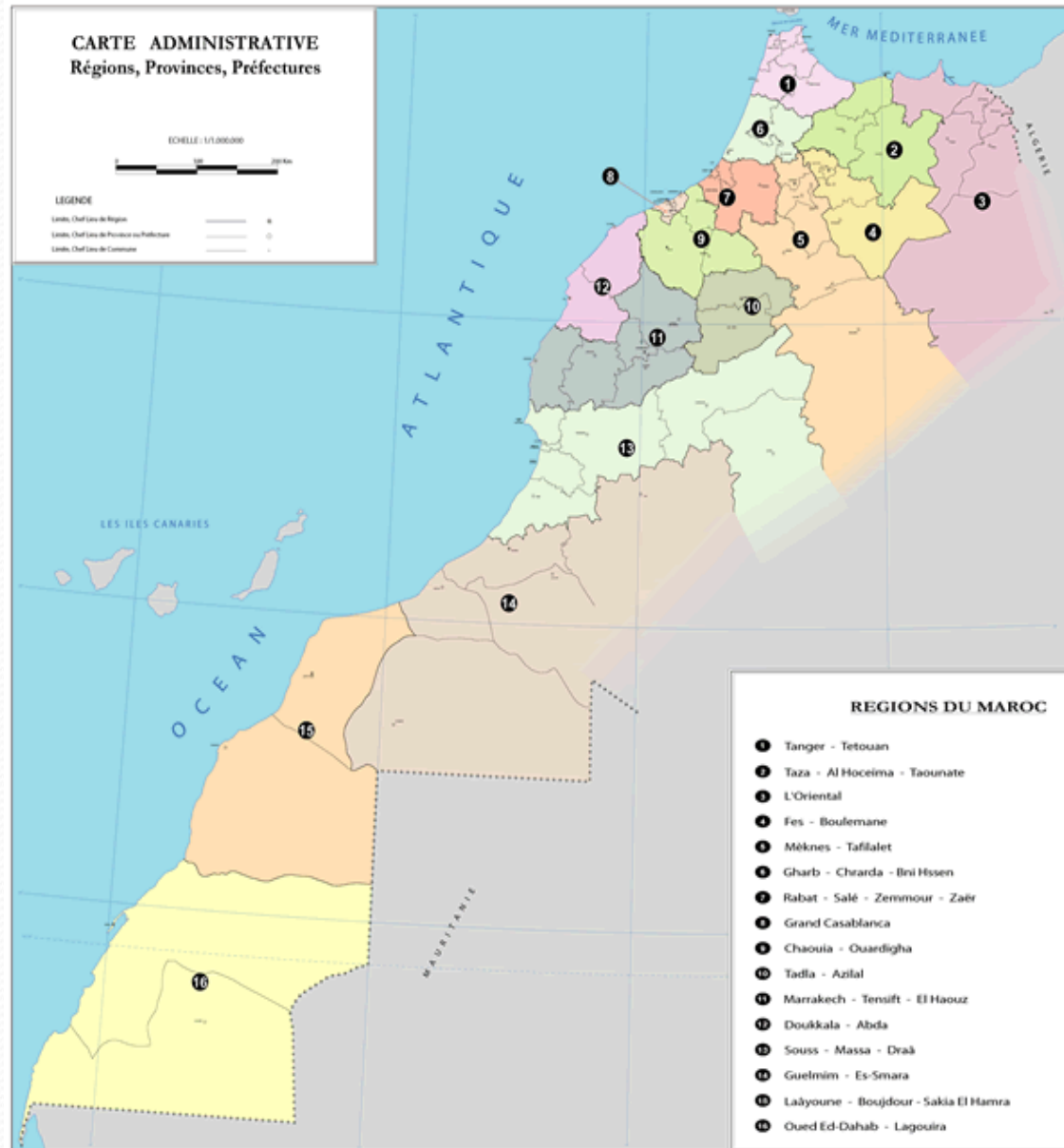
Useful agricultural surface (SAU) = **9 500 000 hectares**

The main agricultural productions

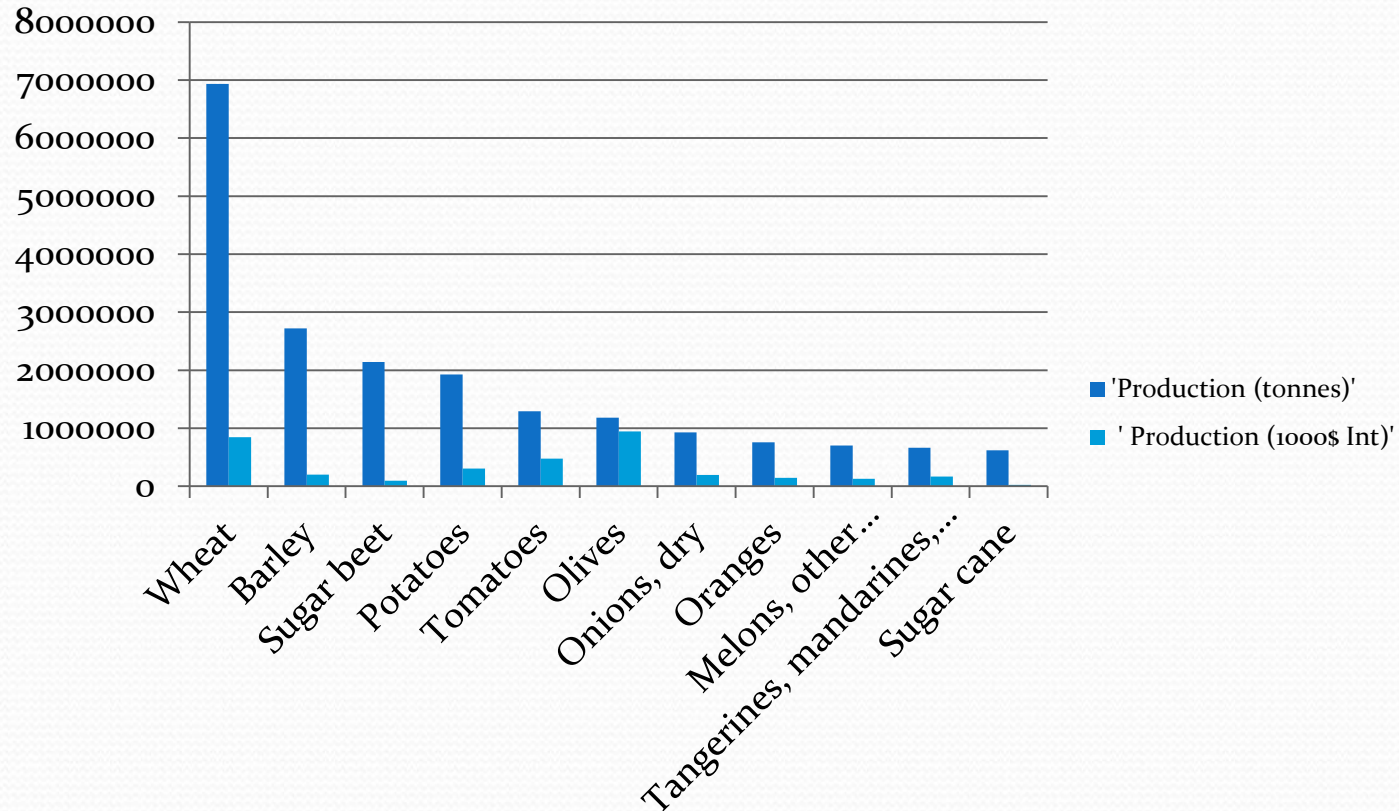
Crops	Area (Ha)	Production	Source
Cereals	5,3 M	6 800 000	Ministry 2014
Olives	784 000	1 157 000	=
legumes	373 000	311 000	=
Vegetables	260 000	7 000 000	Ministry
Citrus	92 000	2 204 000	Ministry
Sugar crops	52 000		
Sugar beet	47 000	3.3 MT	Ministry 2014
Sugar Cane	6000	389 000	=
Oil crops	50 000	18 700	=
Rosaceous	221 811		
Apples	29788	583 046	Faostat 2013
Pears	2833	39 325	=
Coigns	3099	40 420	=
Almond	157 000	101 000	Ministry
Apricots	12249	119 670	Faostat
Plum	9834	86 985	=
Peaches and nectarines	5692	77 611	=
Cherries	1316	13 909	=
Viticulture	45719	436 315	=
Date Palm	59 000	108 000	Ministry

Part of National Production (%) of the various area for the main Agricultural productions

	Cereals	Mar.primieur	Mar.season	Olive growing	Citrus	Arboriculture
Tanger-Tetouan (1)	5%	2%	11%	17%	2%	-
Taza Taounate El Houceima (2)	9%	-	2%	16%	2%	1%
L'Oriental (3)	4%	1%	5%	5%	12%	3%
Fès Boulemane (4)	3%	-	4%	8%	1%	6%
Meknès-Tafilalet (5)	8%	-	13%	10%	0,12%	29%
Gharb Cherarda bni Hssen (6)	7%	8%	16%	1%	17%	2%
Rabat Salé Zemmour Zair (7)	6%	3%	4%	2%	1%	4%
Grand Casablanca (8)	1%	3%	1%	0,1%	-	-
Chaouia-Ouardigha (9)	13%	2%	10%	3%	-	1%
Tadla-Azilal (10)	10%	-	7%	11%	18%	2%
Marrakech Tensift El Haouz (11)	14%	2%	9%	23%	8%	20%
Doukkala Abda (12)	15%	6%	9%	1%	-	4%
Souss Massa Daraa (13)	5%	69%	8%	2%	39%	18%
Guelmim Es Smara (14)	1%	1%	2%	0.24%	-	8%
Laayoune Boujdour Sakia El (15)	0.7%	-	0.32	-	-	-
Oued Eddahab Lagouira (16)	-	4%	-	-	-	-

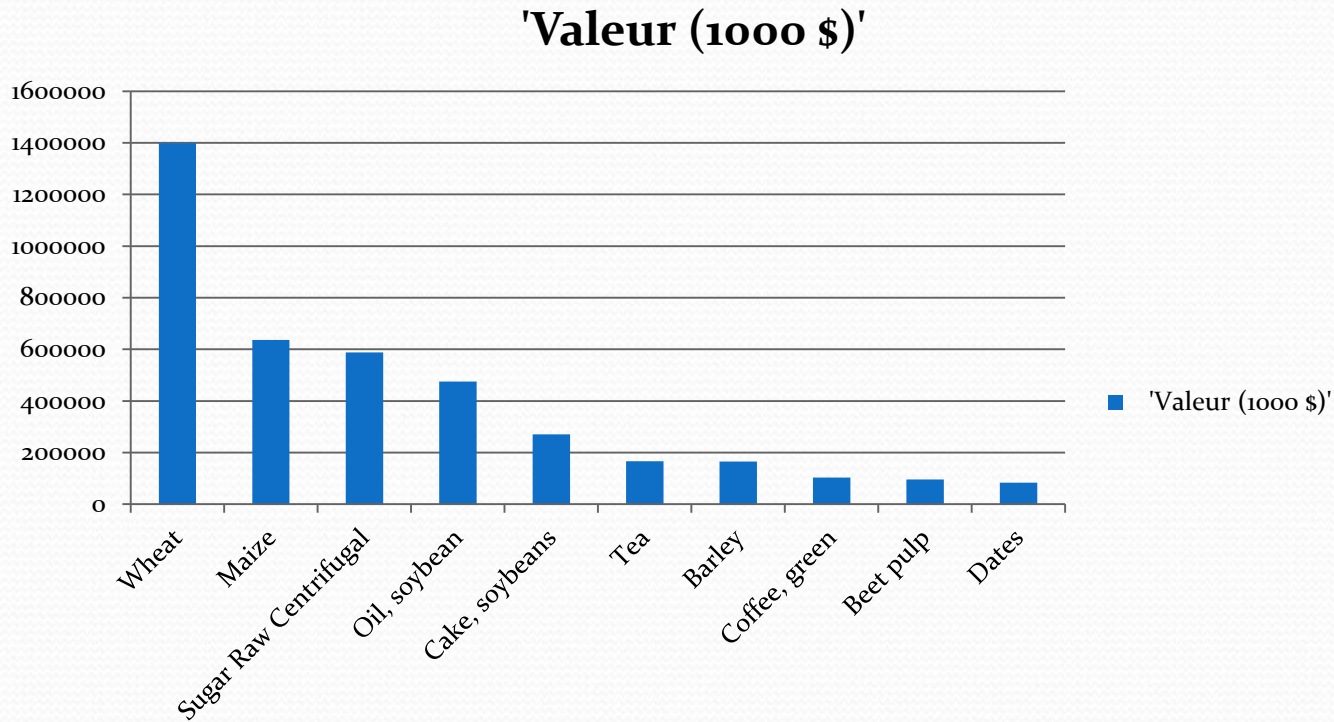


The top crops grown



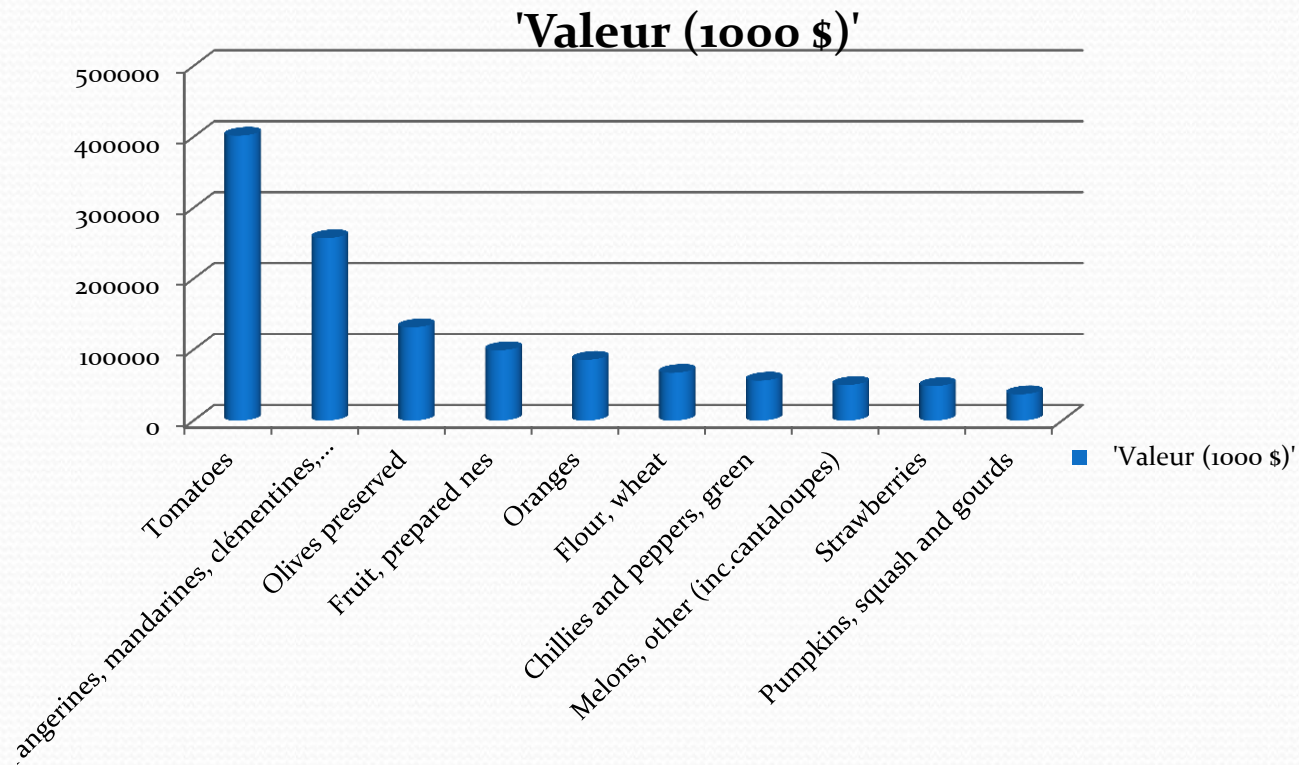
NB : Based on Website Faostat

The top crop commodities imported



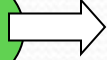
NB : Based on Website Faostat

The top crop commodities exported



Government bodies and provision of Plant health

**Crop
production**



**Ministry of Agriculture and Fisheries (Direction of development of the sectors of production
Regional Directions of Agriculture..)**



ADA

Agence pour le Développement Agricole
Agency for the agricultural development



Agence Nationale pour le Développement des Zones Oasiennes et de l'Arganier
National Agency for Development of Oasis Zones and Arganier



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ONCA

Office National du Conseil Agricole
National office of the Agricultural Council

*** ORMVA : Régional Offices of Agricultural Development**

Government bodies and provision of Plant health



EACCE

Etablissement Autonome de Contrôle et de Coordination des Exportations
Autonomous establishment of Control and Coordination of the Exports



INRA

Institut National de la Recherche Agricole
National institute of the Agricultural Search



ENAM

Ecole Nationale d'Agriculture de Meknès
National school of Agriculture of Meknes



IAV

Institut Agronomique et Vétérinaire Hassan II
Institute Of Agronomy and veterinary Hassan II



Office National Interprofessionnel des Céréales et Légumineuses
Interprofessional national office of Cereal and Legumes



SONACOS

Société Nationale de Commercialisation des Semences
National company of Marketing of Seeds



LOARC

Laboratoire Officiel d'Analyses et de Recherche Chimique
Official laboratory of Analyses and Chemical Research

Government bodies and provision of Plant health

the main government bodies for :

**Import and export trade of
plants and plant parts**

**Ministry of Economics , and Finance
(Administration of Customs)**

Ministry of Agriculture and Fisheries :



National Office Of Sanitary Food Safety

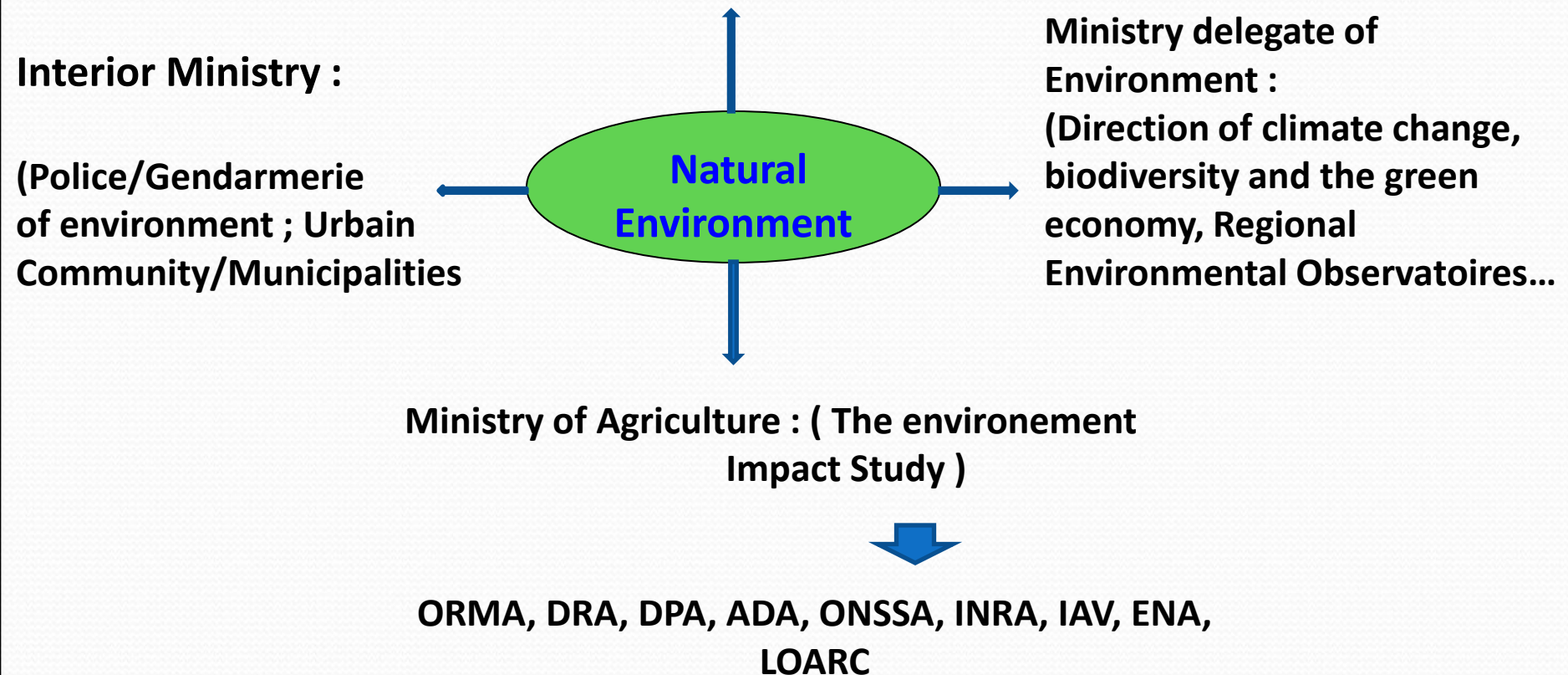


**Autonomous establishment of Control
and Coordination of the Exports**

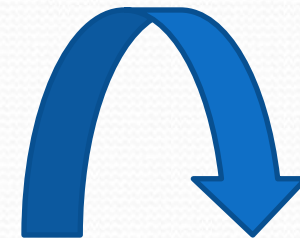
(Certificate of origin)

High Commission for Water and Forests and the Fight against Desertification

**(Direction of control against desertification and nature protection,
Régional Directions...)**



How do these government bodies interact



To strengthen

Quarantine services against crop pests



National Office Of Sanitary Food Safety :

***Plant Quarantine Station in Bouznika**

•Directions of Control and Quality

*** Plant Protection Services**



Interior Ministry :



(Gubernatoriaux orders)

**Monitoring and surveillance capacity of
crop pests in current production**



National Office Of Sanitary Food Safety : (Plant Protection Services)



***Provincial Directions of Agriculture**



ONCA

*** Chamber of Agriculture**



INRA



ENAM

*** Regional Directions of Water and Forests
and Control against desertification**



IAV



*Information relating
to
Xylella fastidiosa*

➤ **status of *xylella fastidiosa* in Morocco : Absent**

The pest is regulated as a quarantine pest to Morocco and is listed in Annex of de Moroccan Phytosanitary regulation (Minister order n°832-02 of June 12, 2002)

➤ **capacity to detect and identify *Xylella fastidiosa* :**

***Import controls at entry points**

***Post control**

*** Field inspection by the agents of Plant Protection Services**



Analyses conducted by the laboratories : (LR, DR ONSSA, INRA , ENA, IAV

The main crops at risk to *xylella fastidiosa*

➤ CITRUS (Ministry)

Area (Ha)	Production (T)	Exportation	
		Quantity	Value
92 000 Ha	2 204 000 T	569 000 T	2,6 Milliards DH

➤ OLIVES (Faostat)

Area (Ha)	Production (T)	Exportation			
		Olives		Huile	
		Quantity (T)	Value (1000 US\$)	Quantity (T)	Value (1000 US\$)
784 000	1 157 000	73 474	131 613	11 639	30 671

➤ **GRAPEVINE (Faostat)**

Area (Ha)	Production (T)	Exportation			
		Grapes		Wine	
		Quantité (T)	Valeur (1000 US\$)	Quantité (T)	Valeur (1000 US\$)
45 719	436 315	7210	13 038	3623	5745

➤ **ROSACEOUS FRUIT (Faostat)**

Fruit	Area (Ha)	Production (T)	Exportation	
			Quantity	Value (1000 US\$)
Almond	157 000	101 000	-	-
Apricot	12249	119670	64	67
Plum	9834	86985	16	10
Peaches and nectarines	5692.00	77611.00	2842.00	5871.00
Cherries	1316.00	13909.00	-	-

➤ **QUERCUS sp.**

Species	Area (Ha)
Chêne vert : <i>Querus rotundifolia</i>	1 415 201
Chêne liege : <i>Querus suber</i>	377 482

The hosts of *Xylella fastidiosa* may be imported

Pathways import	Plant	Origine	Volume
Ornamental cuttings	Pelargonium	Europe (France)	376 587 unités
Ornamental plants	-Laurier -Platane (Platanus) -Magnolia	Europe (Espagne)	563 149 units (+ other species)
Fruit plants	Grapevine	France; Italy; South Africa; USA	2,46 millions Plants (other species)
	Apricot	France; Espagne	
	Almond	Spain	
	Peach	France; Spain; USA	
	Plum	France; Spain	

NB : No current data

The hosts of *Xylella fastidiosa* may be imported

several species of ornement can be imported such as :

**Lagerstroemia indica* (Lilas des indes)

**Quercus* sp (*Q. coccifera* ; *Q. itex* ; *Q. suber*)

.....etc

NB : **Import rosaceous = before February 15*

**Import grapevine = before April 15*

Management practices existing that may detect infection and prevent entry

Regulatory measures / Legal basis :

- Minister order order n°832-02 of June 12, 2002)

→ regulating the importation of plants or parts of plants that may be infested by some species of pest or plant which states that: plants or parts of plants carrying pests on the list annexed are **not allowed to entry and transit** in Morocco. And that the importation of plants or parts of plants must be accompanied by **phytosanitary certificates** whose period not exceeding **fourteen days before the date of transmit** of the consignment certifying that the **consignment is free of diseases and pests indicated on the annexed list**.

→For some fruit species of the family "Rosaceae" and the vine, requirement **of prior import authorization**:

- Minister Order n° 824 – 93 of June 4, 1993. “sanitary conditions on the import of certain fruit and ornamental species of the family "Rosaceae”

- Minister order n°207-05 of November 11, 2005. related to phytosanitary requirements for the import of plant belonging to genus Vitis (L.) .

→**Introduction of plants belonging to genus Cotoneaster; Eryobotria; Pyracantha is prohibited** (Order of June 4, 1993)

→ Quarantine / Refoulement – destruction

→ Prohibition on import from Italy of all sensitive species to *Xylella fastidiosa* (decision ONSSA)

Control measures :

→ **Documentary control** (check the certificates conformity and Required documents: phytosanitary certificate, certificate of origin, invoice, DUM, etc ... compared to the Moroccan phytosanitary regulations)

and **physical** (Check on the basis of a full examination or on one or more representative samples, the conformity of plants and plant products imported according to phytosanitary requirements) at border posts for imported plants.

→ **Post control** in plantation areas for at least two growing cycles by Plant Protection services.

Management practices existing that reduce the risk of *xylella fastidiosa* establishment and spread

→ Strengthening the phytosanitary surveillance within the country (orchards, nurseries)

→ Strengthening the control to traffic



*Information relating
to
Bactrocera zonata*



→ Regulatory status

Fruit fly absent in Morocco



the pest is regulated as a quarantine pest to Morocco and is listed in Annex of de Moroccan Phytosanitary regulation (Minister order n°832-02 of June 12, 2002)

→ capacity to detect and identify *bactrocera zonata* :

Import controls

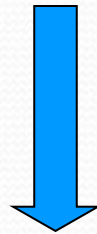


*** Visual control**

***Trapping (unloading places)**

→ Field inspection

→ Monitoring plan (Trapping system)



doubtfull identification

→Confirmation by laboratory :

* DRSMD/ONSSA (Agadir)

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ENAM

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IAV

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INRA

Crops at risk to fruit fly

Fruit	Area (Ha)	Production (T)	Exportation	
			Quantity	Value (1000 US\$)
Citrus	92 000 Ha	2 204 000	569 000	2,6 Billiards DH
Peaches and nectarines	5692	77611	2842.00	5871.00
Figs	52606	101989	44.00 (figs)	28.00
			80 (Dry)	101
Apricost	12249	119670	64	67
Dates	59 229	107 611	14	63
Apple	29788	583046	38	31
Pears	2833	39325	22	15
Plums	9834	86985	16	10

Main hosts of *Bactrocera zonata* imported

Import pathways	Fruit	Volume (T)	Origine
Fruits frais	Mango -gouyave	1027	Côte d'ivoire; Guinée; Sénégal; Mali
	Pears	8014	France ; Chili ; Afrique du Sud
	Apples	7644	France ; Chili ; Afrique du Sud
	Dates	58401	Algérie ; Tunisie
	Peaches and nectarines	162	--
	Prunier	125	--

NB : No current data

Management practices existing that may detect presence and prevent entry at import

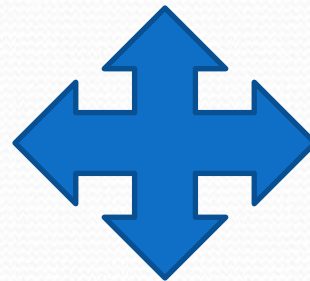
→ **Regulatory measures / Legal basis :**

- Minister order order n°832-02 of June 12, 2002)

→ **Control measures :**

Refoulement /destruction

Documentary control



Physical Control


trapping (pheromone traps) in areas at risk of introduction
(ports, airports)

Management practices existing that reduce the risk of *bactrocera zonata* establishment and spread

→ Field inspection by Plant Protection Services

→ Monitoring Plan : installation of a trapping network in areas at high risk (orchards; wholesale markets; processings plants)

→ Control measures against Mediterranean fruit fly

- 
- Phytosanitary treatments
 - Sanitary measures (destruction...)
 - Bait station (straw bals)



***Thanks to the
organizers
and participants***