Workshop on Pest reporting and exchange of Phytosanitary information.

Pest reporting and exchange of phytosanitary information in the Maltese Islands

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Workshop on Pest reporting and exchange of phytosanitary information in Malta



Malta, officially the Republic of Malta, is a southern European country consisting of an archipelago situated in the centre of the Mediterranean, 80 km south of Sicily, 284 km east of Tunisia and 333 km north of Libya.

EU Member from 1st May 2004.

<u>Area</u>: 316 km² <u>Population</u>: 419,000 (2011)

Workshop on Pest reporting and exchange of phytosanitary information in Malta

Pest Reporting (from stakeholders as obliged under the Plant Quarantine Act, 2001 and by the Responsible Authority)

> Processing of information by the Responsible Authority

Exchange of Phytosanitary Information

Workshop on Pest reporting and exchange of phytosanitary information

Pest Reporting by means of communicating medium, from the different stakeholders, including:

- General Public;
- Researchers;
- Customs (MoU),
- Private bodies and entities,
- Activity centres registered in the Malta Official Register,
- Other Ministry (MGOZ) (MoU).

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The Responsible Authority

The Plant Health Directorate was established in 2001 under the Act XVIII of 2001, as amended by Act III of 2004 of the Plant Quarantine Act

The Plant Health Directorate is responsible for: Plant health aspects and thus for reporting and Exchange of phytosanitary information.

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Mission Statement of the Responsible Authority

The Plant Health Directorate, the Maltese National Plant Protection Organization (NPPO), is to co-Ordinate and regulate activities to control the introduction and dispersion of major pests and diseases harmful to plant production while encouraging the production of good quality and healthy plants, as foreseen in the International Plant Protection Convention (IPPC) and the European Union's legislative provisions.

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MINISTRY FOR SUSTAINABLE DEVELOPMENT, ENVIRONMENT & CLIMATE CHANGE VETERINARY AND PHYTOSANITARY REGULATION DEPARTMENT (VPRD) PLANT HEALTH DIRECTORATE



Pest Reporting by the Responsible Authority

A work plan is set up every year by which the work to be conducted is planned. This incorporates the implementing of surveys and sample collection which include logistic information such as survey types, various locations were such surveys are done, host plants to survey and to sample which are mostly related to such pest, the best period of the year were these surveys are performed, quantities of samples that are required and methodology for a uniform sample that is effective to detect the targeted organisms.

This is in line with the Multi Annual National Control Plan (MANCP) drawn up by the Directorate in line with the Council Reg/2004.



Monitoring and Control Unit (MCU)

The Monitoring and Control Unit aims to monitor and control any pest and diseases in the country. The unit conducts number of obligatory surveys annually as well as monitoring on viruses, bacteria, fungi, nematodes and insects.

These serve as a tool by which pest reporting is conducted.



Monitoring and Control Unit (MCU)-Surveys

Nematodes	Virus/ Virus-like	Bacteria	Entomology	Fungi
Number of	Number of surveys	Number of surveys		Number of
surveys 2	6	3	8	surveys 3
Globodera pallida,	Citrus Tristeza Virus	Clavibacter michiganensis sepedonicus	Rynchophorus ferrugineus	Phytophthora ramorum
Globodera rostochiensis	Pepino Mosaic Virus	Ralstonia solanacearum	Leptinotarsa decemlineata (Colorado Beetle)	Giberella circinata
Bursaphelenchus xylophilus	Tomato yellow Leaf Curl Virus	Erwinia amylovora	Toxoptera citricida (Brown Citrus Aphid)	Tilletia indica
	Tomato Spotted Wilt Virus		Anoplophora chinensis	
	Plum Pox Virus		Epitrix similaris, E.	
	<i>Grapevine Flavescence Doree</i>		Cucumeris,	
			Epitrix subcrutinia, Epitrix tuberis	
			Scaphoideus titanus	



Monitoring and Control Unit (MCU) - Monitoring

Viruses	Bacteria	Entomological	Mycological
Potato Spindle Tuber Viroid	Acidovorax citrulli	Drosophila suzukii	Cryphonectria parasitica
Iris Yellow Spot Virus	Xanthomonas fragariae	Nysius huttoni	Deuterophoma tracheiphila
Tomato Apical Stunt Pospiviroid	Pseudomonas syringae pv. persicae	Phaedon brassicae	Melampsora medusae
Tomato Torrado Virus		Xylosandrus crassiusculus	Monilinia fructicola
Impatiens Necrotic Spot Virus		Chrysomphalus aonidum	Mycosphaerella dearnessii
Strawberry Vein banding Virus		Paysandisia archon	Phialophora cinerescens
Tomato Chlorosis Virus		Aleurocanthus spiniferus	Phytophthora fragariae
		Tetranychus evansi	Spongospora subterranea
		Quadraspiotus perniciosus	
		Trogoderma granarium	
		Hypoborus ficus	
		Phryneta leprosa	

Plant Health Diagnostic (PHDU)

When a pest and diseases is reported and sampled this is processed at the PHDU. PHDU is equipped with diagnostic laboratories which test for:

- Virology
- Bacteriology
- Mycology
- Nematology
- Entomology



Plant Health Diagnostic Unit (PHDU) Who Process the information ?

Samples are also sent to contracted labs as per By Legal Notice 97 of 2004 - Plant Quarantine (harmful organisms) Regulations and its amendments under the Plant Quarantine Act, Chap 433, 2001.

When samples are not collected, any reported pests and diseases is processed both by Monitoring & Control Unit and by Surveillance & Inspectorate Unit through monitoring.



Surveillance and Inspectorate Pest Reporting and Exchange of Information

The Surveillance and Inspectorate Unit (Plant Quarantine) within the Plant Health Directorate is responsible for the inspections related to imports and internal market on plants and plant products.

Legal Basis:

 Council Directive 2000/29/EC of 8 May 2000 on protective measures against the introduction into the Community of organisms harmful to plants or plant products and against their spread within the Community.

 Transposed by Legal Notice 97 of 2004 - Plant Quarantine (harmful organisms) Regulations and its amendments under The Plant Quarantine Act, Chap 433, 2001.

Surveillance and Inspectorate

SIU carries out surveillance by which **pest reporting** is triggered through any findings intercepted during these inspections. Inspections are carried out in various locations:

- Border Inspection Posts
- Internal market
- Nurseries
- Heat Treatment Facilities
- Open Fields
- Collecting Centres and Warehouses.

Exchange of phytosanitary information

- A Laboratory results of pest issued by PHDU to MCU, B - Inspection results issued by MCU
- Transferred to SIU by the official results and by means of internal meetings between the two units.
- Communication to the Chief Plant Health Officer,
- Communication with the Ministry for Sustainable Development and Climate Change by means of monthly and annual reports
- Director EU Affairs,

Exchange of phytosanitary information

- Food Safety Commission and the
- Plant Protection Board
- Communication is then made to EU, EPPO, third country as appropriate.
- Exchange of information with the general public and stakeholders as appropriate.

The Plant Protection Board (set under the Plant Quarantine Act, 2001)

This Board aims to regularly review

- the state of plant quarantine in Malta on the formulation of policies
- the phytosanitary implications of importing any plant material, plant products, pests, beneficial organisms or soil;
- the Plant Health Service including the diagnosis, detection and identification of particular pests and diseases.

Reporting Obligations and Communication with EU, EPPO and Third Countries

- According to Article16 of Council Directive 2000/29/EC,
- According to Article 2 of Commission Directive 94/3/EC (Europhyt),
- EPPO,
- Under the IPPC convention the contracting parties shall cooperate in the exchange of information on plant pests, particularly the reporting of the occurrence, outbreak or spread of pests that may be of immediate or potential danger {Article VIII (International Cooperation)}.

Exchange of phytosanitary information

- Publication of National Legislation
- Seminars to General public & Stakeholders
- Leaflets and Press release
- TV and radio Programmes
- Fair Exhibitions

Problems khira E dan Johns qeghda tursenna han dan jaquah, hisa poppi di hara. Red Palm Werrel bi-klahi Boumogi Ahnar tu-Palm. Din Johanfon aghanela hara bisin di gipala palm liratdi tarvali igharwon u judha mar-tokh paningali u jidawawa di namer tu-palma. Xi buhan jun' juna hemm aktar mina 80 dudu far-tokk tu-palma infertata.

<u>Morfoloģija</u>

II-Bumunqar Ahmar tal-Palm huwa maghruf blisem sjentifiku ta' *Rhynchophoras firmigineus*. Bl-ingliz huwa maghruf bhala '*Red Palm Weerif*, u jappartjeni fl-Ordni tal-Hanfus, mal-grupp tal-bumunqari.

Din il-hanfosa hija pjottost kbiza fid-daqa, beja 2 u 5 centimetti rel. Il-anuqaz prominenti kemanzeju ingabarwegi Ja-hurk hannani leva is-saldi et utake suwed huma kazatteintici ti' dan Linsett. Ilgwienh tu' dan Linsett huma b'sahhinan ghaldagatunt iapati jut distanzi konsidezeroli.

<u>Čiklu Bijoloģiku u H</u>sara Kkawżata

Il-hsara li ssir lis-tiğar tal-palm hija kkawžata primarjament mill-*lona*. Dawa il-*lonae* jaghmlu hsarat kbar, anke *lona* wahda kapači taghmel hsara koniidesevoli, u anke sahansitra jihkawža l-mewt tal-palma.

IL-BUMUNQAR AĦMAR TAL-PALM

Il-Bomungar Ahmar tal-Palm adult (mara) thid madwar 200 bajda mal-basi tu' werag li jaon ghado giphi, jew go fenit present fir-solak. Dawn il-bajd jehdu madwar letti jiem biar ifaqqin, u Jepajodu tul-pro jeht madwar sahleja, Eliwaşt li Jepajodu tul-proja idam tiet gimphat. Dawn il-figuri jistghu iraziaw ikand ikalim tul-bajiti.



II-hsara li jaghmel il-Bumunqar Ahmar tal-Palm fuq



Il-larva tal-Bumunqar Aħmar tal-Palm

I-drawn jackin bili jaraffen beşlana mina jewwa, faja igalanılı hafa Naza. Hwwa difici bası tudanu mina kmisni li I-palma hişi afestattı bil-Brannanga Ahmar tıl-Palma, gaba i-drawn jibda e-cidin tişgin Ahmar tıl-Palma, gaba i-drawn mi jibmar, bı kanşa isigar. Ohaldaştanı, l-drawn mi jibmar, bı kanşa isintomi tıl-hara li biran saşet wir şalı. Hafaa daba meta wabed jibda jara l-werwel iantomi, ihan tud wirağ gaba diğa iləm saşet wirağ hara. Qed inus sındı faş laf wabed şirti 'gabmel tuta mil-heşişer tıl-hara li jinxinengib nima gərə colk ti-ləşlamı b'apparat tşeşfali bise jindman mina kmisni jekk həmmas id-dənba poresteni.

Meta l-infestazijoni tkun avvanzata, wiehed jisti jianhi likwidu maghqud tu' levn kannelis malpulan, u nak fuku bučket ti biho kejin mina go toqob gaha li junu haffan mina dan kinaten titu. Bara mina hekk, il-wenq tul-pulan jibdew jisfaru u jibbelu, u su wenq tentuli jinqlafan facliment minkabia tuhut fan gewan.

Distribuzzjoni Geografika

Il-Bommogat Ahmat tal-Palm origina fi-Asija tropikihi Peresi li dan Janset kapat jaktar arba tugieh Jafan gahi kimi differenti makip aresed fi-Arfaka to fi-Boropa, ta habag ia-segina Mediteran firstmenninisti Lattub fi Spapa Jar 1994, Hizaigi at-Gordan fi-1998/99, to fi Franza, 1-Italja, fil-Mallecca, fil-Gençia ta Ciquet A-2006. Fis- sena 2007, dan lianes timbi bali genera Maha.

Il-kawża prinčipali ta' din is-rata gholja ta' firxa tal-Bumunqar Ahmar tal-Palm hija t-trasportazzjoni ta' sigar tal-palm minn postijiet infestati b'dan l-insett.





Obtaining and exchanging existing phytosanitary information

- Journals and research papers both locally and Internationally,
- Attending various (specific) conferences,
- Attending training,
- Monthly EPPO Reporting Service
- Access to online databases
- Standing Committee on Plant Health

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