

TEMPLATE FORM FOR THE DESCRIPTION OF DEMONSTRATION SITES

This form has to be filled by the owner of the farm and/or of the processing unit e/o others, in order to give useful information to SMEs in needs of facilities (fields, processing industries, etc.), to test their technological solution(s).

Please fill "data" field with open text, or as specifically indicated.

B - POST-HARVEST PROCESSING UNITS & OTHERS

CHAPTER B0: General information

ID.	Requisite	Data
B01	Contact person (name, email)	Tomas Aleza tomaleza@hotmail.com
B02	Unit name	Mediterranea Mellis
B03	Address and Country	C/ Fornillers, 55 46192 Monserrat Valencia,España)
B04	Experience in demonstration activities (years)	Since 1903
B05	Kind of units	Honey processing plant

CHAPTER B1: Structure of the unit

ID.	Requisite	Data
B11	Physical description of the unit (location, geographical data, etc...)	<p>The honey processing plant is located in the outskirts of Valencia. Mediterranea Mellis has new age facilities that allow us to supply honey to industries, supermarkets and gourmet shops in order to give a wide answer with the best finished product. Our facilities include a processing plant and bottling unit for packed honey (poliflora and monoflora) and count with a laboratory, and a heating room.</p> <p>The process begins with a preheating treatment for later, proceed to a homogenization until reaching a temperature close to 40 ° C. Then proceed to heating at 75 ° C for 3 minutes, taking the honey to a resting tank. The honey is filtered until the client's requirement is reached, usually 200 microns. Subsequently, packaging is carried out from this tank in the costumer's desired format, from jars, buckets, drums or bulk tanks.</p> <p>Our facilities are oversized, in order to allow us to work without any problem. Our production: Bulk honey 1.000.000 kg/year, beewax 50.000 kg/year, pollen 80.000 kg/year and packed honey 200.000 kg/year.</p>

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CHAPTER B2: Data about products/services

Requisite			Data	
Description of products, semi-products, service or any output of your process				
B21 Product	Production industry		Experimental Industry	
	Organic origin (unit)	ICM Origin (unit)	Organic origin (unit)	ICM Origin (unit)
Packed Honey	1000 u/h	1000 u/h	500 u/h	500 u/h
Pollen	3000 kg/h	3000 kg/h	1500 kg/h	1500 kg/h
BeesWax	1000 kg/h	1000 kg/h	500 kg/h	500 kg/h
Bulk Honey	3000 kg/h	3000 kg/h	1500 kg/h	1500 kg/h
Particular standards / certification system (specify)				
Other useful details (specify and describe)	We also offer our clients honey and derivatives and a wide range of materials and equipment for beekeeping from the best German brands			


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CHAPTER B3: Description of processing and “technological” equipments

ID.	Requisite	Data
B31	Physical description of the unit (location, geographical data, etc...) (specify)	
	Pasteurization unit (honey pre-treatment) – Heat exchanger, crusher, homogenizer.	
	Bottling and labelling unit	
	Instrumentation and equipment for honey quality matters in the laboratory	
B32	Equipment to apply new technologies in the process unit (specify):	
	Homogenization, filtration and pasteurization unit	
	Bottling unit	
	Instrumentation in the laboratory, refractometer, spectrophotometer, pH meter, conductivity meter, microscopy for palynological characterization of honey.	

CHAPTER B4: Description of facilities

ID.	Requisite
B41	<p>Presentation of the owner: introduction of the site and presentation of the owner motivation. Specify if your facility is already devoted to digital innovation testing</p>
	<p>My name is Santiago Ribes and I have worked in honey industry all my life. Mediterranea Mellis started its business in 1903 and I have been always very interested in product quality and improvement of the facilities. The processing plant is controlled with a SCADA, which allows the personnel to better track the whole process.</p> <p>I have been always very open to introduce new technologies within my company and I am very interested in finding digital solutions that can enhance somehow the current processes that we have currently in my company in regard to honey quality inspection, honey processing equipment, energy efficiency, and many others.</p>


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