

Ferme du Mourier

A - FARM

CHAPTER A0: General information

ID.	Requisite	Data
A01	Contact person (name, email)	Denis Gautier
A02	Farm name	Le Mourier
A03	Address and Country	Institut de l'Élevage, Ferme du Mourier, 87800 Saint Priest Ligoure
A04	Experience in farm demonstration activities (years)	Over 40 years
A05	Land drainage if yes, water collectors	X yes <input type="checkbox"/> no <input type="checkbox"/> yes X no
A06	Practicability of fields in case of rain	X yes <input type="checkbox"/> no

CHAPTER A1: Structure of the farm

ID.	Requisite	Data
A11	Kind of soil (knowledge on soil analysis and composition)	X yes <input type="checkbox"/> no
A12	Soil slope	Approx % : 3%
A13	Hedges and / or ecological infrastructures	X yes <input type="checkbox"/> no
A14	Stable grassland	X yes <input type="checkbox"/> no

CHAPTER A2: Focus on farm

ID.	Requisite	Data	
A21	Land without cultivation	Area (ha)	
	Total	Approx 92 ha	
A22	Arable crops	Organic farming Area (ha)	Integrated crop management farm (ICM) Area (ha)
	Crop 1		Barley

A26	Livestock	Organic	Breeding form
	Ewe 740		Lamb production

CHAPTER A3: Description of farm equipment

ID.	Requisite	Data
<u>A31</u>	<u>Machines for soil tillage</u>	<input checked="" type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u>
<u>A32</u>	<u>Machines for weed control</u>	<input checked="" type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u>
<u>A33</u>	<u>Irrigation system(s)</u> <u>Please specify:</u>	<input type="checkbox"/> <u>yes</u> <input checked="" type="checkbox"/> <u>no</u>
<u>A34</u>	<u>Equipment with remote control</u> <u>Please specify:</u>	<input type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u>
<u>A35</u>	<u>Livestock and pastures</u>	
	- <u>Radio frequency ID</u> - <u>Automated milking, feeding, and monitoring systems</u>	<input checked="" type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u> <input checked="" type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u>
<u>A36</u>	<u>Precision farming facilities</u>	
	- <u>Precision Application technologies (If yes specify)</u>	<input checked="" type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u>
	<u>Automatic drafter weighing scale</u>	
	<u>Automatic feed dispenser</u>	
	- <u>Data acquisition technologies (If yes please specify):</u>	<input checked="" type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u>
	<u>Herd management software connectable to multiple sensors</u>	
	- <u>Data analysis & evaluation technologies (If yes specify):</u>	<input checked="" type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u>
	<u>Data processing software</u>	
	- <u>Others (specify)</u>	<input type="checkbox"/> <u>yes</u> <input type="checkbox"/> <u>no</u>

CHAPTER A4: Description of facilities

ID.	Requisite	Data	
A41	Irrigation connections on field head	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A42	Electricity in field availability	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A43	Electrical generator availability	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A44	Availability of tractors / machines equipped with GPS system	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A45	Availability of machines for harvest. If yes specify for which crop(s):	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A46	Availability of refrigerated cells for storage and conservation	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A47	Availability of mechanical workshop: fixing ups, soldering, etc.	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A48	Availability of a storehouse with latch for equipment...	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A49	Possibility of connection for data transmission (3G, 4G, others) a	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
A50	Other devices, data, equipment availability Please specify:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
		The experimental farm has a photovoltaic installation (700m ²). It produces 3.5 times more electricity than it consumes	

CHAPTER A5: Other conditions

ID.	Requisite	Data
A51	Demo site profile: - Implementation of a solution in living conditions simply with practical feedbacks - Experimentation and test of the solution with technical/scientific support and assessment feedbacks - Existence of a formalized service offer	X yes <input type="checkbox"/> no X yes <input type="checkbox"/> no X yes <input type="checkbox"/> no
A52	Conditioned access to particular equipment (please specify) In case of special equipments requiring a certified experience, the final user/SME should demonstrate a specific training / license to use it in compliance with National/local laws	<input type="checkbox"/> yes X no
A53	Availability of experienced staff to carry out and support field test trials	X yes <input type="checkbox"/> no
	How many experimentation/demonstration activities are developed on average /year?	10
	How many qualified experts (technicians/researchers) are available?	4
In case of field management by third part:		
A54	Possibility to lose part of the production based on reimbursement	X yes <input type="checkbox"/> no
A55	Possibility to apply experimental protocols supplied by third parts	X yes <input type="checkbox"/> no
A56	Possibility to host visitors during tests	X yes <input type="checkbox"/> no
A57	Possibility to sign confidentiality contracts	X yes <input type="checkbox"/> no
A58	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	

The experimental sheep farm of “Le Mourier” which is considered as the headquarters of the CIIRPO (Interregional Center for Information and Research in Sheep Production) is an association under the law 1901. The mission of the CIIRPO is to create and enrich the technical application to the sheep industry through a research and development activity. It is completed by the dissemination of knowledge generated from livestock breeders and stakeholders in livestock breeding.

Over the last ten years, more than 70 trials have been conducted in “Le Mourier” with a systematic look on technical and economic performances but also on the consequences in terms of work or environmental impact. The experiments have been carried out on various themes: nutrition, equipment, reproduction, health, production systems or even genetics. Current themes focus on agroecological practices linked to climate change, parsimonious use of resources and precision farming.

The French Livestock Institute, in collaboration with the CIIRPO, invests in digital innovations for sheep farmers. The aim is to test new ideas and to adapt prototypes to sheep farming in the digital sector.

Bringing innovations in the field of digital technology that will benefit the greatest number of farmers are the goals of Digifermes®. The experimental site of “Le Mourier”, owned by the Institut de l'Élevage, became in 2017 the first sheep Digifermes® in France. <http://digifermes.com>
<https://www.facebook.com/Le-Ciirpo-1583854265236483/?ref=hl>
<http://idele.fr/reseaux-et-partenariats/ciirpo.html>

B - POST-HARVEST PROCESSING UNITS & OTHERS

CHAPTER B0: General information

ID.	Requisite	Data
B01	Contact person (name, email)	Denis Gautier
B02	Unit name	Institut de l'Élevage
B03	Address and Country	Institut de l'Élevage Ferme du Mourier 87800 Saint Priest Ligoure
B04	Experience in demonstration activities (years)	Over 40 years
B05	Kind of units	Experimental farm in sheep production, Research & Development, knowledge transfer

CHAPTER B1: Structure of the unit

ID.	Requisite	Data
B11	Physical description of the unit (location, geographical data, etc...)	
		<u>Le Mourier, Saint Priest Ligoure, Haute-Vienne, Région Nouvelle-Aquitaine, France,</u>
		N 45°40'15.7'' E 001°18'22.0''

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)
Product 1		Lambs		
Product 2		Cull ewes		
Product 3		Cull rams		
...		Fodder and pasture		
Total (ha)				
Particular standards / certification system (specify)	IGP (official quality mark) Baronet and agneau du Limousin			

CHAPTER B3: Description of processing and “technological” equipments

ID.	Requisite	Data
B31	Physical description of the unit (location, geographical data, etc...) (specify)	
	1) Automatic drafter weighing scale 2) Grasshopper (Connected plate meter) 3) Automatic feed dispenser	
B32	Equipment to apply new technologies in the process unit (specify):	
	<u>1)automatic weighing of the grazing animals</u> <u>2)lambing detection captors</u> <u>3)drenching gun linked to a weighing scale</u> <u>4)Ultra High frequency identification tags</u> <u>5)connected weather station</u>	

CHAPTER B4: Description of facilities

ID.	Requisite
B41	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
	Experimental farm : <ul style="list-style-type: none"> - 4 sheep sheds with different equipment - Storage shed with grain bins - Sheep yard - 2 stand shearing shed Office facilities : <ul style="list-style-type: none"> - 2 conference rooms - Guest office - Possibility to eat on the farm (caterer)