

Ferme expérimentale des Etablières

A - FARM

CHAPTER A0: General information

ID.	Requisite	Data
A01	Contact person (name, email)	Sophie Valance
A02	Farm name	Ferme expérimentale des Etablières
A03	Address and Country	Route de Moulin Papon 85000 la Roche Sur Yon
A04	Experience in farm demonstration activities (years)	50 ans
A05	Land drainage if yes, water collectors	X yes <input type="checkbox"/> no X yes <input type="checkbox"/> 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 % : 0 to 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	Permanent Grassland Approx	
	Total	29.5 ha	
A22	Arable crops	Organic farming Area (ha)	Integrated crop management farm (ICM) Area (ha)
	Crop 1		Temporary grassland (53.2 ha)
	Crop 2		Protein crops + immature cereals (16.9 ha)
	Crop 3		Maize silage (40.5 ha)
	Total (ha)		Approx 122 ha
	Total (ha)		
A26	Livestock	Breeding (beef cows, Charolaise, breeding and fattener system with purchase	
	130	Beef cows and replacement	
	200-240	Purchase: bulls, cows, heifers for fattening	
	42	Charolais bulls in evaluation scheme for reproduction	

CHAPTER A3: Description of farm equipment

ID.	Requisite	Data
A31	Machines for soil tillage	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
A32	Machines for weed control	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
A33	Irrigation system(s) Please specify:	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
A34	Equipment with remote control Please specify:	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
A35	Livestock and pastures	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	- Radio frequency ID	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	- Automated milking, feeding, and monitoring systems	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
A36	Precision farming facilities	
	- Precision Application technologies (If yes specify)	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
	Herd monitoring : collars to measure activity and welfare (ingestion, ruminating, rest) Connected weighbridge and weighing scales Connected feed mangers (20) and watering (2) Grasshopper (GPS linked plate meter) Meteorological station 4 monitoring IR cameras ...	
	- Data acquisition technologies (If yes please specify):	<input type="checkbox"/> X yes <input type="checkbox"/> no
	Livestock management software	
	- Data analysis & evaluation technologies (If yes specify):	<input type="checkbox"/> X yes <input type="checkbox"/> no
	Animal experimentations, tests	
	- Others (specify)	<input type="checkbox"/> X yes <input type="checkbox"/> no

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 checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A45	Availability of machines for harvest. If yes specify for which crop(s):	<input checked="" type="checkbox"/> yes	<input 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 checked="" type="checkbox"/> yes	<input type="checkbox"/> no
A50	Other devices, data, equipment availability Please specify:	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
	Optical fiber		

CHAPTER A5: Other conditions

ID.	Requisite	Data
A51	<p>Demo site profile:</p> <ul style="list-style-type: none"> - 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 	<p>X yes <input type="checkbox"/> no</p> <p>X yes <input type="checkbox"/> no</p> <p>X yes (F@rm XP) <input type="checkbox"/> no</p>
A52	<p>Conditioned access to particular equipment (please specify)</p> <p>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</p>	<p><input type="checkbox"/> yes X no</p>
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?	5-10
	How many qualified experts (technicians/researchers) are available?	4 technicians and 2 researchers
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	<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>	

The Etablières site is an experimental farm serving beef cattle producers. This farm is a fattening breeder system with purchase in Charolais breed, or other breeds following the tests. Experiments are conducted on farm practices that are reproducible for farmers, economically viable and sustainable. The experimental programs are validated by the partners committee in consultation with the F@rmXP network and the Pays de la Loire meat research committee and Digifermes® network.

The main research topics for the coming years are the management of the suckling herd, the fattening of young cattle and culled, the quality of meat, energy (electricity generation - solar panels) and precision farming. News themes: disease control and prevention with sensors, sensors to monitor water intake by animals in grasslands and in housing, connected fence...