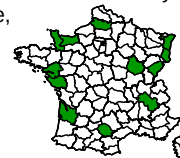




In accordance with article 27 of the French Data Protection Act 78-17 dated 6th January 1978, any personal information collected will be recorded in a computer file in the strictest respect of personal confidentiality. No questions are mandatory and you may exercise your right to directly access and correct any personal information by writing to the study coordinator: Pierre Lebailly (Centre F. Baclesse, Avenue du Général Harris, 14076 Caen Cedex 05). We will only have access to nominative information if you complete this questionnaire. Nominative information obtained via the present questionnaire shall be made available neither to MSA social security offices nor to registries.

[illegible]

A. GENERAL INFORMATIONA1 – How long have you lived at your current address? yearsA2 – What is your date of birth? / / A3 – What is your place of birth? In which French *département*? In which country? A4 – Are you: ☐ A man?☐ A woman?

A5 – What is your current marital status?

☐ Single☐ Divorced or separated☐ Married or living together☐ Widow(er)

A6 – What is your highest level of qualification/training (even if you do not have the associated diploma)?

☐ No qualification☐ GCSE D-G☐ +2 years higher education, please specify below:☐ Self-trained☐ GCSE A-C/GNCQ intermediate☐ Nat. Curr. Key stage 2☐ A Levels☐ Youth training (NVQ 1&2)☐ BTEC Higher National Diploma**B. PROFESSIONAL EXPERIENCE**

B1 – What is your current professional situation (you may tick several boxes, particularly if you have several, simultaneous activities)?

☐ Professionally active farmer or co-farmer☐ Professionally active employee☐ Retired☐ Unemployed☐ On extended sick leave☐ On sick leave☐ Other (please specify in the space provided opposite):B2 – Since which year has this been your professional situation?

B3 – Please complete the table for each of the positions you have occupied for over one year. Don't forget to include your current position. If, during certain periods, you occupied more than one position simultaneously, please note them one after another. If you are retired, please note the positions you occupied in the past.

		Start year	End or current year	Name and location of the farm business or company	Position occupied (please be specific)	What where your key responsibilities?
Examples	Job 1			Farm X Le village fleuri 14xxx	Family help	Milking cows
	Job 2			Conseil Général du Calvados 14000 Caen	Bus driver	School bus round - driving
	Job 3			Farm Y Le long vallon 14xxx	Farmer	Milking cows Treating Crops Mechanical tasks
	Job 1					
	Job 2					
	Job 3					
	Job 4					
	Job 5					
	Job 6					
	Job 7					

B4 – Throughout your professional career, have you carried out the following tasks?

	No	Yes	If yes, for how many years?
Mechanical tasks (excluding oil change)?	☐	☐	years
Major repair of pesticide crop sprayers?	☐	☐	years
Maintenance/servicing of pesticide crop sprayers?	☐	☐	years

C. HISTORY OF AGRICULTURAL ACTIVITIES ON A FARM**Have you already worked on a farm?**

- ☐ No (If not, please go directly to paragraph D, page 5)
- ☐ Yes, **Please complete the following tables, not forgetting to tick No for each crop or breeding sector in which you have not worked.**

C1 – Breeding activities

Have you worked in the following breeding sectors?	Have you personally carried out the following tasks? (you may tick several boxes)	Start year	End or current year	Number of animals	
				Minimum	Maximum
Cattle:	☐ Animal care				
☐ No	☐ Milking				
☐ Yes	☐ Insecticide treatment (against warble-flies, flies...)				
	☐ Local disinfection				
	☐ Milking equipment disinfection				
Sheep or goats:	☐ Animal care				
☐ No	☐ Milking				
☐ Yes	☐ Insecticide treatment				
	☐ Local disinfection				
	☐ Milking equipment disinfection				
Pigs:	☐ Animal care				
☐ No	☐ Insecticide treatment				
☐ Yes	☐ Local disinfection				
Horses:	☐ Animal care				
☐ No ☐ Yes	☐ Insecticide treatment				
Poultry:	☐ Animal care				
☐ No ☐ Yes	☐ Insecticide treatment				
Specify	☐ Local disinfection				
☐ Hens/Chickens					
☐ Turkeys/Turkey cocks					
☐ Ducks/Geese					

Other breeding types (please specify in the space below): rabbits, guinea-fowl, bees, etc...	Start year	End or current year	Maximum number of animals	Which key tasks did you personally carry out? (please specify in the space provided below)

C2 - Viticulture-Cereals-Grassland-Orchards-Greenhouses-Other crops

Have you worked in the following agricultural sectors?	Have you personally carried out the following tasks? (you may tick several boxes)	Start year	End or current year	Minimum surface area (in ha)	Maximum surface area (in ha)
Grassland: ☐ No ☐ Yes	☐ Herbicide treatment ☐ Haymaking				
Vineyard: ☐ No ☐ Yes	☐ Cultivation chores (cutting and other manual tasks) ☐ Pesticide or herbicide treatment ☐ Grape harvesting/picking ☐ Cellar work ☐ Park maintenance	 	 	 	
Corn – grain or for silage: ☐ No ☐ Yes	☐ Seeding treatment on the farm ☐ Sowing ☐ Pesticide or herbicide treatment ☐ Harvesting	 	 	 	
Wheat or barley: ☐ No ☐ Yes	☐ Seeding treatment on the farm ☐ Sowing ☐ Pesticide or herbicide treatment ☐ Harvesting	 	 	 	
Field pea or horse bean: ☐ No ☐ Yes	☐ Seeding treatment on the farm ☐ Sowing ☐ Pesticide or herbicide treatment ☐ Harvesting	 	 	 	
Sugar beet or mangel: ☐ No ☐ Yes	☐ Seeding treatment on the farm ☐ Sowing or planting ☐ Pesticide or herbicide treatment ☐ Harvesting	 	 	 	
Sunflower: ☐ No ☐ Yes	☐ Seeding treatment on the farm ☐ Sowing ☐ Pesticide or herbicide treatment ☐ Harvesting	 	 	 	
Rape: ☐ No ☐ Yes	☐ Seeding treatment on the farm ☐ Sowing ☐ Pesticide or herbicide treatment ☐ Harvesting	 	 	 	

Have you worked in the following agricultural sectors?	Have you personally carried out the following tasks? (you may tick several boxes)	Start year	End or current year	Minimum surface area (in ha)	Maximum surface area (in ha)
Tobacco:	☐ Sowing or planting				
☐ No ☐ Yes	☐ Pesticide or herbicide treatment				
	☐ Harvesting/Gathering				
Arboriculture (orchards): Please tick appropriate tree(s):	☐ Cutting				
☐ None	☐ Pesticide or herbicide treatment				
☐ Apple	☐ Harvesting/Picking				
☐ Pear	☐ Other tasks (please specify in the space provided)				
☐ Plum					
☐ Peach					
☐ Cherry					
☐ Other					

<u>Other crops</u>	Start year	End or current year	Maximum surface area cultivated	Which key tasks did you personally carry out? (please specify in the space provided below)
Potatoes				☐ Seeding treatment on the farm
☐ No ☐ Yes			ha	☐ Planting
				☐ Pesticide or herbicide treatment
				☐ Harvesting
				☐ Other tasks
Other field-grown vegetable crops			ha	
☐ No ☐ Yes				
Greenhouse or tunnel cultivation			m ²	
☐ No ☐ Yes				
Other (please specify in the space provided)			ha or m ²	

D. FUNGICIDES, INSECTICIDES OR HERBICIDES USED DURING YOUR PROFESSIONAL CAREER

D1 – Have you used fungicides or insecticides or herbicides throughout your professional career?

☐ No (go directly to paragraph F)
☐ Yes

D2 – Do you remember the names of the fungicides, herbicides or insecticides used during your professional career and on what crops?

☐ No ☐ Yes

If yes, please enclose a list of the products used (on a separate sheet of paper)

D3 – Do you still have all or part of your treatment calendars?

☐ No ☐ Yes

E. PERSONAL PROTECTIVE EQUIPMENT

When using fungicides, insecticides or herbicides during your professional career, do (did) you wear the following personal protective equipment?

☐ No ☐ Yes (If yes, please complete the table below)

	Waterproof gloves?	A disposable or Tyvek® coverall?	A mask with filter cartridge?
Never	☐	☐	☐
Occasionally	☐	☐	☐
Systematically	☐	☐	☐
As from which year?			
During preparation?	☐	☐	☐
During application?	☐	☐	☐
When cleaning the crop sprayer?	☐	☐	☐

F1. - Have you ever used spraying equipment?

(excluding equipment used in the farmyard, on embankments and hedges, which is dealt with in question F2)

☐ No (If no, go directly to question F2)☐ Yes

If yes, please complete the table below: One line is specifically reserved for backpack sprayers. For other equipment, please complete a different line for each. *For example: if you used a mounted sprayer with a 1,000 litre tank and a tractor without cabin from 1960 to 1980, that would be equipment 1, then if you used the same sprayer but with a closed cabin from 1980 to 1990, that would be equipment 2 and, finally, if, from 1990 to 2005 you used a towed sprayer with a closed cabin, that would be equipment 3. If you concurrently used a backpack sprayer from 1980 to 2005, that would be noted on the backpack sprayer line.*

	Type of equipment	Tank volume (in litres)	Crops treated with this equipment	First year used	Last year used	Number of days used per year	Number of tanks prepared per treatment day	Surface area treated per day (in ha)	Equipment cleaning
	Have you ever used a backpack sprayer?		☐ Vineyards						☐ Never ☐ Once yearly ☐ After each treatment type ☐ After each use
	☐ No	litres	☐ Orchards						
	☐ Yes		☐ Greenhouses						
			☐ Wheat, corn, rape, grassland ...						
Equipment 1	☐ Mounted tank	Volume 	☐ Vineyards						☐ Never ☐ Once yearly ☐ After each treatment type ☐ After each use
	☐ Towed tank		☐ Orchards						
	☐ High clearance or self-propelled tractor		☐ Greenhouses						
	☐ Between row tractor		☐ Wheat, corn, rape, grassland ...						
	☐ Mist blower	Tractor with cabin?							
	☐ Other (please specify below):	☐ No ☐ Yes							
Equipment 2	☐ Mounted tank	Volume 	☐ Vineyards						☐ Never ☐ Once yearly ☐ After each treatment type ☐ After each use
	☐ Towed tank		☐ Orchards						
	☐ High clearance or self-propelled tractor		☐ Greenhouses						
	☐ Between row tractor		☐ Wheat, corn, rape, grassland ...						
	☐ Mist blower	Tractor with cabin?							
	☐ Other (please specify below):	☐ No ☐ Yes							
Equipment 3	☐ Mounted tank	Volume 	☐ Vineyards						☐ Never ☐ Once yearly ☐ After each treatment type ☐ After each use
	☐ Towed tank		☐ Orchards						
	☐ High clearance or self-propelled tractor		☐ Greenhouses						
	☐ Between row tractor		☐ Wheat, corn, rape, grassland ...						
	☐ Mist blower	Tractor with cabin?							
	☐ Other (please specify below):	☐ No ☐ Yes							

F2 – Have you ever used herbicides in the farmyard and/or on embankments?☐ No (go directly to paragraph G)☐ Yes, what type of sprayer did you use?☐ Manual, backpack☐ Tractor sprayer with a spray lance☐ Other, please specify:

☞ How many times did you use it (them) per year?

 times/year**G. PLACE OF RESIDENCE DURING CHILDHOOD****G1 – What was your home address during the first year of your childhood?**Number Street POST CODE TOWN **G2 – How many years did you live at that address?** years**G3 – Was your home located within a farming business?**☐ No☐ Yes**If yes:** what were the farm's principle activities? (you may tick several activities)☐ Grassland☐ Vineyards☐ Orchard☐ Other (please specify in the space below):☐ Greenhouses☐ Market gardening☐ Wheat, barley, corn, field pea, rape, linen, beet, etc....Breeding: ☐ Cattle ☐ Sheep ☐ Pigs ☐ Poultry**H. HEALTH****H1 – Do you consider your current health to be?**☐ Excellent☐ Good☐ Mediocre☐ Poor☐ Very poor**H2 – Please specify in the space provided:****H3 – Your height (in cm)?** cm**H4 – Your usual weight (in kg)?** kg**H5 – Over the past 12 months, how many times have you:**

	Not at all	1 to 2 times	3 to 6 times	7 to 12 times	More than 12 times
Consulted your GP?	☐	☐	☐	☐	☐
Been to hospital (admission/specialist consultation)?	☐	☐	☐	☐	☐

H6 – Has a doctor already diagnosed you with the following disorders/diseases?

			If yes, what age were you when first diagnosed?			
	No	Yes	Under 20 years	20-39 years	40-60 years	over 60 years
Hay fever	☐	☐	☐	☐	☐	☐
Eczema	☐	☐	☐	☐	☐	☐
Asthma	☐	☐	☐	☐	☐	☐
Chronic bronchitis	☐	☐	☐	☐	☐	☐
Emphysema	☐	☐	☐	☐	☐	☐
Farmer's Lung	☐	☐	☐	☐	☐	☐
Heart attack (Infarct) or Angina (Angina Pectoris)	☐	☐	☐	☐	☐	☐
Heart rhythm disorders	☐	☐	☐	☐	☐	☐
Arterial hypertension	☐	☐	☐	☐	☐	☐
Thyroid disease	☐	☐	☐	☐	☐	☐
Retinal (or macular) disease	☐	☐	☐	☐	☐	☐
Diabetes	☐	☐	☐	☐	☐	☐
Depression	☐	☐	☐	☐	☐	☐
Parkinson's Disease	☐	☐	☐	☐	☐	☐
Alzheimer's Disease	☐	☐	☐	☐	☐	☐

H7 – Do you suffer from:

- Trembling hands or legs?

☐ No☐ Yes

- Rigidity in your arms or legs?

☐ No☐ Yes

- Slowness or stiffness in day-to-day gestures, walking or speaking?

☐ No☐ Yes**H8 – Have you ever been intoxicated by a pesticide?**☐ Never☐ Once☐ Several times

If yes, please note the year(s)

Following this(these) intoxication(s):

- Did you consult a doctor?

☐ No☐ Yes

- Were you admitted to hospital?

☐ No☐ Yes

