# Study of Biomarkers of Exposures and Effects in Agriculture Collection Questionnaire Agricultural Health Study

Location of Residence (County, State):

	Date:		/	
Collection of this information is authorized by The Public Health Service Act (42 USC 2851). Rights The Privacy Act of 1974. Participation is voluntary, and there are no penalties for not participating of time. Refusal to participate will not affect your benefits in any way. The information collected in this extent provided by law. Names and other identifiers will not appear in any report of the study. Informall study participants and reported as summaries. You are being contacted by mail to complete this hemember of the Agricultural Health Study your continued involvement can help us learn more about by factors may affect the health of farmers and their families.	of study par r withdrawing study will l nation provi- calth follow-	ation dat rticipants a ng from tho be kept pri ded will bo -up survey	e study at any vate to the e combined for because as a	16 y
Public reporting for this collection of information is estimated to average 30 minutes per response, in instructions, searching existing data sources, gathering and maintaining the data needed, and complet information. <b>An agency may not conduct or sponsor, and a person is not required to respond to it displays a currently valid OMB control number.</b> Send comments regarding this burden estimat of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 67 Bethesda, MD 20892-7974, ATTN: PRA (0925-0406). Do not return the completed form to this add	ting and revi	iewing the on of infor er aspect o	collection of cmation unless of this collectio	
PRE-INTERVIEW PREPARATION:  1. ASK PARTICIPANT FOR SHOWCARD WITH PESTICIDE INFO:  2. ASK PARTICIPANT FOR ASSEMBLED PRESCRIPTION MEDIC  3. PROVIDE CALENDAR TO PARTICIPANT FOR REFERENCE.  [Display subject ID and Participant information on CAPI "face sheet"]				
Screening Questions To Ask Prior To Consent (SCR):				
1a. Is your name ^DSP.Respondent_Fullname and is your date of birth ^STN Yes (Q2) No	.Respond	ent_Birt	hdate?	
1b. What is your correct date of birth?/				
1c. [INTERVIEWER] IS IT POSSIBLE THAT THE NUMBERS IN THE D OUR RECORDS (BIRTHDATE), COMPARED TO THE BIRTHDATE BIRTHDATE) COULD HAVE BEEN TRANSPOSED, MISREAD, OR YES (Q2a) NO	GIVEN (	RESPO	NDENT	
1d. Does another person with a similar name but a different date of birth live Yes No (Skip to Q1g)	here?			

1e.	May I please speak to the other (FULL NAME)?  Yes THANK INITIAL/INCORRECT RESPONDENT; WAIT TO RECORD "YES" WHEN THE RESPONDENT IS READY TO BEGIN.
	No
1f.	Do you know a better time when we can reach the other (FULL NAME)?
	RECORD INFORMATION ON AND BEST TIME TO REACH; THEN GO TO CLOSINGS.
1g.	Do you know how we can reach the other (FULL NAME)?
	RECORD INFORMATION ON HOW TO REACH (COLLECT PHONE AND BEST TIME TO REACH); THEN GO TO CLOSINGS.
2a	According to your birthdate that we have on record, you should be ^DSP_Respondent_Age years old Is this accurate?
	YES (Q3) NO
2b.	What is your correct age?
	IF <50 GO TO INELIGIBLE1
3.	Do you have a blood clotting disorder such as hemophilia? Yes (GO TO INELIGIBLE2) No
4.	Other than non-melanoma skin cancer, have you been diagnosed by a doctor with any type of cancer in the last three years?  Yes No (GO TO PER)
	<ul><li>a. In what organ or part of the body did your cancer start? (If you are not sure of the answer please give me your best guess).</li><li>b. In what year were you first diagnosed by a doctor with this cancer?</li></ul>
	ENTER EACH CANCER AND DATE OF DIAGNOSIS.  1st cancerDate of diagnosis/
	2 <sup>nd</sup> cancer (if applicable) Date of diagnosis//
	GO TO INELIGIBLE3
Per	rsonal Information (PER):
1.	How tall are you?feet / inches
2.	How much do you weigh now? pounds

3.		<b>7 days</b> , have you used aspirin or aspirin-containing products, such as Bayer, Bufferin, or Please do not include aspirin-free products such as Tylenol and Panadol.)
	•	No(Q4)
	a.	What is the product name?:
	b.	What is the product strength? Would you say:
		Adult strength (usually 325mg), Baby strength (usually 81mg),
		Or some other strength? (SPECIFY)
	c.	How many pills of aspirin or aspirin-containing products have you taken in the <b>last 7</b>
		days?
	d.	When did you last take aspirin or aspirin-containing products?
		days ago or hours ago
4.		<b>7 days</b> , have you used ibuprofen-containing products, such as Advil, Nuprin, or Motrin? No (Q5)
	a.	What is the product name:
	b.	How many pills of ibuprofen-containing products have you taken <b>in the last 7 days</b> ?
	C.	When did you last take ibuprofen-containing products? days ago or hours ago
5.	aspirin?	gularly taking any blood thinning medications, such as Heparin, Coumadin, plavix or
	Yes	No(Q7)
6.	Which bloo	od thinning medication(s) do you regularly take?
0.	a.	HEPARIN
		COUMADIN
	С.	PLAVIX
		ASPIRIN
	e.	OTHER (SPECIFY)
7.	Do you reg	gularly take any prescribed medicines? Yes No (Q8)
	a.	Can you please tell me the name or names of the each prescription medication you are taking? REFER TO BOTTLES ASSEMBLED BY PARTICIPANT. REVIEW TOGETHER AND ENTER.

Next, I'm going to ask you about different conditions with which you may have been diagnosed. Please answer yes or no for each one.

8. Has a doctor or other medical professional ever told you you had:

		YES	<u>NO</u>
a.	Heart disease?	1	2
b.	High blood pressure or hypertension?	1	2
c.	Diabetes?	1	2
d.	Rheumatoid arthritis?	1	2
e.	Any other autoimmune diseases? (IF ASKED: multiple sclerosis	, 1	2
	sarcoidosis, lupus, or Sjogren's disease)		

The next series of questions deals with conditions that you may have had within the **last 30 days**. If you need to, please use the calendar to help with your answers.

9. In the <b>last 30 days</b> , have you ha	9.	In the	last 30	days,	have	vou	ha	d
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a.	A Cold or flu? Yes 1	No	(Q9b)		
	When did symptoms		/	/	
		MM	DD	YYYY	
	When did symptoms	resolve?	?/_	/	
	3 1	MM	DD	YYYY	

b.	(In the <b>last 30</b>	days,	have you had)	bronchitis	or pneumonia?
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Yes _	No (Q9c)		•	
	When did symptoms begin?	/	/	
	MM	DD	YYYY	
	When did symptoms resolve	?/_	/	
	MM	DD	YYYY	

No (Q5u)			
When did symptoms begin?	/_	/	
MM	DD	YYYY	
When did symptoms resolve	?	//	
MM	DD	YYYY	

Yes No (Q10)		
List type(s)		
When did symptoms begin?	//	
MM	DD YYYY	
When did symptoms resolve	?/_	
MM	DD YYYY	

Now I'm going to ask about medical or dental x-rays or any other radiologic procedures you may have had during the **last 12 months**.

## 10. **During the last 12 months**, did you have a:

burng the last 12 months, the you have a.						
Type of Procedure	IF YES: When did you have this					
	procedure? (mm/dd/yyyy)					
a) Medical x-ray?						
b) Dental x-ray						
c) CT scan or CAT Scan?						
d) Fluoroscopy?						

e) PET scan?					
		example a thallium s	tress test?		
g) Another ty	pe of radiologic p	rocedure?			
alcoholic be	everage is defined	lic beverages did you as 12 fluid ounces of l rvings:			
alcoholic be		lic beverages did you as 12 fluid ounces of l rvings:			
The next series	of questions deals	with your tobacco use	2.		
13. How often	do you currently sı	moke or use the follow every day, some days,	ving tobacco p	oroducts? Please tel	l me if you
Product		Every day	Some days	Not at all	
Cigarettes					
A pipe					
Cigars					
Cigarillos					
Chewing to	bacco				
Snuff					
Other tobac	cco products				
(Specify): _					
Now I would lib  14. In the last 1  Yes	.2 months, have yo No (Q19)	ction (OAG)  v questions about your  ou personally performe  al use, what crops, inc	ed farm work o	or farming activities	5?
	last 12 months?	ar ase, mat crops, me		The regetables, Well	raisea oii your
None		Corn pop	Peaches		Sweet potatoe
Apples		Corn seed	Peanuts		Tomatoes
Alfalfa	C	Corn sweet	Peppers		Tobacco
Barley		Cotton	Potatoes		Wheat
Bermuda gı		Cucumbers	Rye		Nursery crops
Blueberries		Grapes	Snap bea		Pumpkins
Cabbage	H	lay or forage	Sorghun	n	Other:
Christmas t	rees N	Melons	Soybean		
Corn field	C	<b>Dats</b>	Strawbe	rries	

16. In the last 12 months, how many (TYPE) were raised on your farm?

Туре	Number
None	
Beef cattle	
Dairy cattle	
Hog/swine	
Poultry	
Poultry for eggs	
Sheep or goats	
Horses	
Other	

17.	(IF YES TO RAISING POULTRY OR POULTR confinement area within the last month?  Yes No	RY FOR EGGS) Have you spent time in a poultry
18.	(IF YES TO SWINE) Have you spent time in sw Yes No	ine confinement area within the last month?
19.	In the last month, how many times have you perf	Formed the following activities?
a.	How often have you ground animal feed?	Not at all
	Would you say (READ RESPONSES):	1-3 times
		4-20 times
		>20 times
b.	How about milking cows? Would you say:	Not at all
		1-3 times
		4-20 times
		>20 times
c.	(How about) cleaning grain bins?	Not at all
		1-3 times
		4-20 times
		>20 times
d.	(How about) working with or around moldy	Not at all
	hay or straw?	1-3 times
	•	4-20 times
		>20 times
20.	In the last 7 days, have you done any welding?	Ýes No

21. In the last 7 days, have you done any painting? Yes No _	
22. In the last 7 days, have you repaired engines? Yes No	
23. Do you currently have a job other than working on a farm?	
Yes No (GO TO <b>Occupational Intro</b> )	

a.	What is your current job other than farming?
b.	What type of business is this job in? Would you say: Manufacturing? A retail store?
	Wholesale or distributor?
	A service provider? Construction?
	Mining?
	Farming, fishing, or forestry?
	Government or military?
	A shipyard? Or some other type of business (SPECIFY)?
	Of some other type of business (SPECIF I):
с.	How long have you had this job? months / years
d.	Is this job year round or seasonal?
	Year round Seasonal
Occupation	n Information (OCC)
herbicides,	w like to ask about your use of pesticides in the last 12 months. This includes the use of insecticides, fungicides, fumigants, or other chemicals used to kill plants, insects, fungi, odents. Please do not include the use of antibiotics, sanitizers, antimicrobial soaps or
on crop separat	ast 12 months, have you personally mixed, loaded, handled or applied these chemicals for use is, animals, or any other purpose NOT including home and garden use? I will ask you ely about the use of pesticides in your home and garden.  No (Go to HOM)
2. Which p	roducts have you used in the last 12 months? Please give the product trade name, if possible:
	CARD IS COMPLETED, REVIEW WITH PARTICIPANT AS YOU ENTER DATA; CARD IS NOT COMPLETED, PROBE FOR PRODUCT NAMES ONLY.]
Wh	nat is the active ingredient in (PRODUCT)?
Wh	nat is the (PRODUCT) EPA Registration #:
3. In the las	t 12 months, on how many days did you mix, load or apply [insert pesticide name]?
	ral number of days: n't know
	ike to ask you about the dates of the three most recent uses of [insert pesticide name] within months and the amount of time that you spent mixing, loading or applying [insert pesticide ach date.

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(Pleas	se sta	art with your most/Now tell me abo	ut your next most) re	ecent use of [insert pesticide
name	e]			
		Date	Time spent (hours)	

	Date	Time spent (hours)
1		
2		
3		

5. In the last 12 months, did you personally mix and/or load [insert pesticide name]?
Yes No(Q6)
<ul> <li>a. Was the [insert pesticide name] that you mixed and/or loaded a:  Liquid,  Powder,  Granule,  Dissolvable packet,  Or something else? OTHER: SPECIFY</li></ul>
b. When you mixed and/or loaded [insert pesticide name] did you normally wear gloves? Yes No (Q5e)
<ul> <li>c. What type of glove did you normally wear when you mixed and/or loaded [insert pesticide name]? Was it a:  Chemical resistant glove like nitrile?  Rubber or plastic waterproof glove?  Thin disposable glove like latex?  Fabric or leather?  Another type of glove? (SPECIFY):</li> </ul>
d. What (other) personal protective equipment did you normally wear when mixing and/or loading [insert pesticide name]? Did you wear:  Goggles? Face shield? Disposable coveralls, like Tyvek? Chemical-resistant jacket and pants? Chemical-resistant apron? Rubber boots? Respirator? Which type? (SPECIFY) Dust mask? Long-sleeved shirt? Something else? OTHER: SPECIFY NONE
6. In the last 12 months, did you personally apply [insert pesticide name]?
Yes No (Next pesticide; else skip to <b>Home and Garden Pesticide Use Questions</b> )
<ul> <li>a. Was [insert pesticide name] applied to:</li> <li>Crop(s)? To which crops was it applied? (SPECIFY)</li> <li>Animals or animal confinement areas?</li> </ul>

		Anything else? OTHER (SPECIFY):
	b.	Was [insert pesticide name] applied as a liquid, powder, granule or something else?  LIQUID  POWDER  GRANULE  SOMETHING ELSE: SPECIFY
	c.	What application method(s) was used? Was it: Broadcast or boom spray? Hand spray? Air blast? Or something else? OTHER (SPECIFY)
	d.	When you mixed and/or loaded [insert pesticide name] did you normally wear gloves? Yes No (Q6f)
	e.	What type of glove did you normally wear when you mixed and/or loaded [insert pesticide name]? Was it a:  Chemical resistant glove like nitrile? Rubber or plastic waterproof glove? Thin disposable glove like latex? Fabric or leather? Another type of glove? (SPECIFY):
	f.	What (other) personal protective equipment did you normally wear when mixing and/or loading [insert pesticide name]? Did you wear:  Goggles? Face shield? Disposable coveralls, like Tyvek? Chemical-resistant jacket and pants? Chemical-resistant apron? Rubber boots? Respirator? Which type? (SPECIFY) Dust mask? Long-sleeved shirt? Something else? OTHER: SPECIFY NONE
Ho	me and	Garden Pesticide Use Questions (HOM)
inc	ludes the	w like to ask about your use of pesticides in your home and garden in the last 12 months. This e use of herbicides, insecticides, fungicides, fumigants, or other chemicals used to kill plants, gi, molds, or rodents. Please do not include the use of antibiotics, sanitizers, antimicrobial tilizers.
1.	In the l	ast 12 months, have you personally used pesticides in your home and garden?
	Yes	No(END)

	Which products have you used in your home and garden in the last 12 months? Please give the product trade name, if possible:
-	SHOWCARD IS COMPLETED, REVIEW WITH PARTICIPANT AS YOU ENTER DATA; HOWCARD IS NOT COMPLETED, PROBE FOR PRODUCT NAMES ONLY.]
	What is the active ingredient in (PRODUCT)?
	What is the (PRODUCT) EPA Registration #:

# Closings

#### **COMPLETE INTERVIEW**

This concludes the interview portion of the visit. I appreciate your taking the time with me to answer these questions. Now I am going to get set up for the blood draw.

#### **Interviewer Remarks**

- R1. PARTICIPANT'S COOPERATION WAS:
  - 1. VERY GOOD
  - 2. GOOD
  - 3. FAIR
  - 4. POOR
- R2. THE OVERALL QUALITY OF THIS INTERVIEW IS:
  - 1. UNSATISFACTORY
  - 2. QUESTIONABLE
  - 3. GENERALLY RELIABLE
  - 4. HIGH QUALITY

# **NO INTERVIEW1**

Ok, then. Thank you very much.

### **NO INTERVIEW2**

I'm sorry for the confusion. That is all the questions I have for you at this time. Thank you for speaking with me today.

## **NO INTERVIEW3**

That is all the questions I have for you at this time. Thank you for speaking with me today.

**INELIGIBLE 1:** I apologize. Our records indicated that you were within the age range we are including in the study. However, based on this updated information on your age, you are not eligible for this part of the Agricultural Health Study. Thank you for your time today.

**INELIGIBLE 2:** Unfortunately, you are not eligible for this part of the Agricultural Health Study: we are looking for a group of men who are able to provide blood samples. Thank you for your time today

**INELIGIBLE 3:** Unfortunately, you are not eligible for this part of the Agricultural Health Study: we are looking for a group of men who have never been diagnosed with cancer. Thank you for your time today