

**SISTER STUDY JOB MODULE: FARMING**

FM1. Did you live on the farm or farms where you did this farmwork? YES ..... 1  
 NO ..... [GO TO FM3]..... 2  
 REF ..... [GO TO FM3]..... 7  
 DK ..... [GO TO FM3]..... 8

FM2. Did any of this farmwork take place on a farm that you did not live on? YES ..... 1  
 NO ..... [RETURN TO OC].... 2  
 REF ..... [RETURN TO OC].... 7  
 DK ..... [RETURN TO OC].... 8

<IF YES TO FM2, READ THE FOLLOWING SCRIPT:> For these next questions please focus only on the farms where you were working but not living there.

FM3. How many farms have you worked on in total?

# FARMS		

	Y	N	REF	DK
FM4. Which of the following were raised on the farm[s] where you worked?				
a. grains, such as wheat, corn, or rice .....	1	2	7	8
b. soybeans or other oilseeds .....	1	2	7	8
c. vegetables .....	1	2	7	8
d. orchard fruits, such as apples, grapes, or oranges.....	1	2	7	8
e. other fruits, such as berries or melons .....	1	2	7	8
f. cotton .....	1	2	7	8
g. tobacco.....	1	2	7	8
h. other cash crops .....	1	2	7	8

< IF NO TO ALL IN FM4 (a-h) — GO TO 20>

<ASK FM5a-5b ONLY IF FM3 (#FARMS) > 1; IF FM3 = 1, GO TO FM5c>

FM5a. About how many acres of crops were planted on the smallest of the farms you have worked on? Was it...  
 less than 5 acres ..... 1  
 5 to 9 acres..... 2  
 10 to 49 acres..... 3  
 50 to 199 acres..... 4  
 200 acres or more ..... 5

FM5b. About how many acres of crops were planted on the largest of the farms you have worked on? Was it...  
 less than 5 acres ..... 1  
 5 to 9 acres..... 2  
 10 to 49 acres..... 3  
 50 to 199 acres..... 4  
 200 acres or more ..... 5

FM5c. About how many acres of crops were planted, on average, on the farm[s] where you worked? Was it...  
 less than 5 acres ..... 1  
 5 to 9 acres..... 2  
 10 to 49 acres..... 3  
 50 to 199 acres..... 4  
 200 acres or more ..... 5

FM6. Were pesticides ever used on the crops grown on [*this farm/any of these farms*]? Pesticides include insecticides, herbicides, fungicides and fumigants.  
 YES ..... 1  
 NO ..... [GO TO FM13]..... 2  
 REF ..... [GO TO FM13]..... 7  
 DK ..... [GO TO FM13]..... 8

FM7. Did you ever...	FM8. For how many years in total did you do this for any part of the year?	FM9. On average, about how many days per year did you do this? (year = 365 days)
a. personally mix any pesticides at [ <i>this farm /any of these farms</i> ], or help others do the mixing?	YES..... 1 NO [GO TO FM7b]2 REF[GO TO FM7b]7 DK [GO TO FM7b]8  # YEARS	# DAYS PER YEAR
b. personally load pesticides at [ <i>this farm any of these farms</i> ]?	YES..... 1 NO [GO TO FM7c]2 REF[GO TO FM7c]7 DK [GO TO FM7c]8  # YEARS	# DAYS PER YEAR
c. personally apply pesticides at [ <i>this farm any of these farms</i> ]?	YES..... 1 NO [GO TO FM7d]2 REF[GO TO FM7d]7 DK [GO TO FM7d]8  # YEARS	# DAYS PER YEAR
d. clean or help clean the pesticide mixing or application equipment used on [ <i>this farm/these farms</i> ]?	YES..... 1 NO..... [*] ..... 2 REF ..... [*] ..... 7 DK..... [*] ..... 8  # YEARS	# DAYS PER YEAR

<\* IF NO TO ALL IN FM7 (a, b, c, d) — GO TO FM13>

	Y	N	REF	DK
FM10. When you mixed, loaded, or applied pesticides, or cleaned pesticide equipment at [ <i>this farm/these farms</i> ], did you <u>usually</u> wear any of the following protective items? (By usually we mean most of the time.) Did you <u>usually</u> wear... [IF 'R' SAYS "ONLY SOMETIMES" OR "RARELY" CODE AS NO]				
a. chemically resistant gloves .....	1	2	7	8
b. other gloves, such as cloth or leather .....	1	2	7	8
c. respirator or gas mask .....	1	2	7	8
d. dust mask .....	1	2	7	8
e. goggles or a face shield.....	1	2	7	8
f. a hat.....	1	2	7	8
g. long sleeves <u>and</u> long pants .....	1	2	7	8
h. chemically resistant boots.....	1	2	7	8
i. an apron .....	1	2	7	8
j. chemically resistant disposable outer clothing, such as a Tyvek suit.....	1	2	7	8

FM11. Did you ever get an unusually high amount of pesticides on your skin or clothing while mixing, loading, or applying pesticides, or repairing pesticide equipment, for example, from a spill or a break in a hose?

YES ..... 1  
NO .....[GO TO FM13]..... 2  
REF .....[GO TO FM13]..... 7  
DK .....[GO TO FM13]..... 8

FM12. How many times did this happen in total?

# TIMES

FM13. Did you ever work in the fields at [*this farm/any of these farms*]?

YES ..... 1  
NO .....[GO TO FM17]..... 2  
REF .....[GO TO FM17]..... 7  
DK .....[GO TO FM17]..... 8

FM14. For how many years did you work in the fields for any part of the year at [*this farm/these farms*]?

# YEARS

FM15. On average, about how many days per week, per month, or per year did you work in the fields?

# DAYS

PER WEEK .....[GO TO FM15a]1  
PER MONTH ...[GO TO FM15b]2  
PER YEAR .....[GO TO FM16]3

FM15a. How many weeks per year did you work in the fields?

# WEEKS  
<GO TO FM16>

FM15b. How many months per year did you work in the fields?

# MONTHS

FM16. On average, about how many hours per day did you work in the fields?

# HOURS PER DAY

<IF FM6 = NO (PESTICIDES NOT USED) — GO TO FM19x>

FM17. Were you ever present in the fields at the same time or on the same day as when pesticides were being applied to the crops?

YES ..... 1  
NO .....[GO TO FM19x]..... 2  
REF .....[GO TO FM19x]..... 7  
DK .....[GO TO FM19x]..... 8

FM18. How many years in total did this happen, even just once?

# YEARS

FM19. About how many days per year did this happen?

# DAYS PER YEAR

FM19x. Were chemical fertilizers ever used on the farm[s] where you worked?

YES ..... 1  
NO .....[GO TO FM19x1]..... 2  
REF .....[GO TO FM19x1]..... 7  
DK .....[GO TO FM19x1]..... 8

FM19xa. Did you ever personally apply chemical fertilizers at the farm[s] where you worked?

YES ..... 1  
NO .....[GO TO FM19x1]..... 2  
REF .....[GO TO FM19x1]..... 7  
DK .....[GO TO FM19x1]..... 8

FM19xb. For how many years in total did you do this for any part of the year?

# YEARS

FM19xc. On average, about how many days per year did you do this?

# DAYS PER YEAR

FM19x1. Were natural fertilizers, such as manure, ever used on the farm[s] where you worked?

- YES ..... 1
- NO ..... [GO TO FM20]..... 2
- REF ..... [GO TO FM20]..... 7
- DK ..... [GO TO FM20]..... 8

FM19x1a. Did you ever personally apply natural fertilizers at the farm[s] where you worked?

- YES ..... 1
- NO ..... [GO TO FM20]..... 2
- REF ..... [GO TO FM20]..... 7
- DK ..... [GO TO FM20]..... 8

FM19x1b. For how many years in total did you do this for any part of the year?

# YEARS

FM19x1c. On average, about how many days per year did you do this?

# DAYS PER YEAR

FM20. Were [ <i>animal</i> ] raised on the farm where you worked?	FM21. On average, about how many [ <i>animal</i> ] were kept at [ <i>this farm/these farms</i> ]? Was it...
a. poultry birds, such as chickens, turkeys, and so forth YES..... 1 NO. [GO TO FM20b]. 2 REF[GO TO FM20b]. 7 DK. [GO TO FM20b]. 8	1 to 24 ..... 1 25 to 49 ..... 2 50 to 99 ..... 3 100 to 399..... 4 400 or more ..... 5 REF ..... 7 DK..... 8
b. beef or dairy cows YES..... 1 NO. [GO TO FM20c]. 2 REF[GO TO FM20c]. 7 DK. [GO TO FM20c]. 8	1 to 9 ..... 01 10 to 19 ..... 02 20 to 49 ..... 03 50 to 99 ..... 04 100 to 199..... 05 200 or more ..... 06 REF ..... 97 DK..... 98
c. hogs or pigs YES..... 1 NO. [GO TO FM20d]. 2 REF[GO TO FM20d]. 7 DK. [GO TO FM20d]. 8	1 to 24 ..... 1 25 to 49 ..... 2 50 to 99 ..... 3 100 to 199..... 4 200 or more ..... 5 REF ..... 7 DK..... 8
d. other livestock YES..... 1 NO..... [*] ..... 2 REF ..... [*] ..... 7 DK..... [*] ..... 8	1 to 24 ..... 1 25 to 49 ..... 2 50 to 99 ..... 3 100 to 199..... 4 200 or more ..... 5 REF ..... 7 DK..... 8

<\* IF NO TO ALL IN FM20 (a-d) — GO TO CLOSING STATEMENT>

FM22. Did you feed, clean, herd, milk, shear, slaughter,  
or have any other contact with livestock on  
[*this farm/any of these farms*]? YES ..... 1  
NO ..... [GO TO CLOSING]... 2  
REF..... [GO TO CLOSING]... 7  
DK ..... [GO TO CLOSING]... 8

FM23. Were livestock animals, or the buildings where  
livestock were kept ever treated with pesticides? YES ..... 1  
NO ..... [GO TO CLOSING]... 2  
REF..... [GO TO CLOSING]... 7  
DK ..... [GO TO CLOSING]... 8

FM24. Did you personally apply pesticides to the animals  
or buildings where livestock were kept? YES ..... 1  
NO ..... [GO TO CLOSING]... 2  
REF..... [GO TO CLOSING]... 7  
DK ..... [GO TO CLOSING]... 8

FM25. For how many years in total did you personally  
apply pesticides to the animals or buildings where  
livestock were kept, for any part of the year?     
# YEARS

FM26. On average, about how many days per year  
did you apply the pesticides?     
# DAYS PER YEAR

	Y	N	REF	DK
FM27. When you applied pesticides to the animals or buildings where livestock were kept at [ <i>this farm/ these farms</i> ], did you <u>usually</u> wear any of the following? Did you <u>usually</u> wear...				
a. chemically resistant gloves .....	1	2	7	8
b. other gloves, such as cloth or leather .....	1	2	7	8
c. respirator or gas mask .....	1	2	7	8
d. dust mask .....	1	2	7	8
e. goggles.....	1	2	7	8
f. a hat.....	1	2	7	8
g. long sleeves <u>and</u> long pants .....	1	2	7	8
h. chemically resistant boots.....	1	2	7	8
i. an apron .....	1	2	7	8
j. chemically resistant disposable outer clothing, such as a Tyvek suit.....	1	2	7	8

FM28. Did you ever get an unusually high amount  
of pesticides on your skin or clothing while  
applying pesticides to the animals or buildings  
where livestock were kept at [*this farm/these farms*]? YES ..... 1  
NO ..... [GO TO CLOSING]... 2  
REF..... [GO TO CLOSING]... 7  
DK ..... [GO TO CLOSING]... 8

FM29. How many times did this happen in total?     
# TIMES

Thank you for answering these questions about your farmwork. Now I will ask questions about some other industries.  
<RETURN TO SECTION OC>