

SISTER JOB MODULE: NURSERY, GREENHOUSE, LAWN CARE

NGL1. How many different full-time or part-time jobs have you had working in a nursery or greenhouse? This includes both paid and volunteer work that took at least 10 hours per week.
[IF NONE, ENTER 00]

JOBS

<IF #JOBS = 00 GO TO NGL60>

I am going to ask about some specific tasks that you may have done working in nurseries or greenhouses.

<IF MORE THAN 1 JOB READ THE FOLLOWING SCRIPT:>

In answering these questions, please think about your overall experience in all of your jobs of this type.

NGL2. Did you ever work inside a greenhouse for at least one month out of the year?

- YES..... 1
- NO [GO TO NGL31]..... 2
- REF [GO TO NGL31]..... 7
- DK [GO TO NGL31]..... 8

NGL3. How many years in total did you work inside a greenhouse for at least one month per year?

YEARS

NGL4. In the years that you did this, about how many months and/or weeks per year, on average, did you work inside a greenhouse?

MONTHS/YR WEEKS/YR

NGL5. On average, how many hours per week did you work inside a greenhouse?

HOURS PER WEEK

NGL6. What were the main types of plants you worked with inside greenhouses?

	Y	N	REF	DK
a. vegetables such as cucumbers, tomatoes, peppers, or lettuce.....	1	2	7	8
b. herbs such as basil or rosemary	1	2	7	8
c. cut flowers such as roses or lilies.....	1	2	7	8
d. potted flowers and ornamentals such as chrysanthemums or poinsettias.....	1	2	7	8
e. bedding plants such as geraniums, begonias, impatiens, or pansies.....	1	2	7	8
f. ferns	1	2	7	8
g. ornamental greens or foliage plants	1	2	7	8
h. other plants.....	1	2	7	8

Please specify:

NGL7. Were pesticides ever used in the greenhouses where you worked? Pesticides include insecticides, herbicides, fungicides and fumigants.

- YES..... 1
- NO [GO TO NGL23]..... 2
- REF [GO TO NGL23]..... 7
- DK [GO TO NGL23]..... 8

NGL8. Did you ever...	NGL9. For how many years in total did you do this for at least one day per year?	NGL10. On average, about how many days per year did you do this? (1 year = 365 days)
a. personally mix any pesticides for use in the greenhouses where you worked, or help others do the mixing? YES 1 NO[GO TO NGL8b] . 2 REF[GO TO NGL8b] 7 DK[GO TO NGL8b] . 8	<div style="text-align: center;"> <input type="text"/> <input type="text"/> <input type="text"/> # YEARS </div>	<div style="text-align: center;"> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> # DAYS PER YEAR </div>
b. personally load pesticides at the greenhouses where you worked? YES 1 NO[GO TO NGL8c] . 2 REF[GO TO NGL8c] 7 DK[GO TO NGL8c] . 8	<div style="text-align: center;"> <input type="text"/> <input type="text"/> <input type="text"/> # YEARS </div>	<div style="text-align: center;"> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> # DAYS PER YEAR </div>
c. personally apply pesticides inside the greenhouses where you worked? YES 1 NO[GO TO NGL8d] . 2 REF[GO TO NGL8d] 7 DK[GO TO NGL8d] . 8	<div style="text-align: center;"> <input type="text"/> <input type="text"/> <input type="text"/> # YEARS </div>	<div style="text-align: center;"> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> # DAYS PER YEAR </div>
d. clean or help clean the pesticide mixing or application equipment used in the greenhouses where you worked? YES 1 NO [*] 2 REF [*] 7 DK [*] 8	<div style="text-align: center;"> <input type="text"/> <input type="text"/> <input type="text"/> # YEARS </div>	<div style="text-align: center;"> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> # DAYS PER YEAR </div>

<* IF NGL8c = YES, ASK NGL11; ELSE GO TO NGL12>

NGL11. In the years that you personally applied pesticides in the greenhouses where you worked, were you the one who always applied the pesticides?

- YES..... [GO TO NGL16]..... 1
- NO 2
- REF 7
- DK 8

NGL12. About how many times per month, per year, or in total did others apply pesticides to plants inside the greenhouses where you worked?

- # TIMES
- PER MONTH 1
 - PER YEAR 2
 - IN TOTAL 3

NGL13. Were you ever inside a greenhouse at the same time as when someone else was applying pesticides?

- YES..... 1
- NO [GO TO NGL16]..... 2
- REF [GO TO NGL16]..... 7
- DK [GO TO NGL16]..... 8

NGL14. How many years in total did this happen at least one time?

YEARS

NGL15. About how many days per year did this happen?

DAYS PER YEAR

NGL16. About how many minutes, hours, or days after pesticides were sprayed did you usually go back into the greenhouse?

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OF

MINUTES 1
 HOURS..... 2
 DAYS 3

<* IF NO TO ALL IN NGL8 (a, b, c, d) — GO TO NGL20>

NGL17. When you mixed or applied pesticides, or cleaned pesticide equipment at the greenhouses, did you usually wear any of the following items: (By usually we mean most of the time.) [IF 'R' SAYS "ONLY SOMETIMES" OR "RARELY" CODE AS NO]

	Y	N	REF	DK
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 and 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

NGL18. 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 NGL20]..... 2
 REF [GO TO NGL20]..... 7
 DK [GO TO NGL20]..... 8

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TIMES

NGL19. How many times did this happen in total?

NGL20. About how many days per week, per month, or per year did you handle plants that had recently been sprayed with pesticides, for example, while pruning or potting plants?

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DAYS

PER WEEK 1
 PER MONTH..... 2
 PER YEAR..... 3

NGL21. Did you usually wear gloves when you handled plants that had recently been sprayed?

YES..... 1
 NO [GO TO NGL23]..... 2
 REF [GO TO NGL23]..... 7
 DK [GO TO NGL23]..... 8

NGL22. Were the gloves made of...

cloth or leather..... 1
 rubber..... 2
 a chemically resistant material
like nitrile..... 3

NGL23. Were chemical fertilizers ever used in the greenhouses where you worked?

YES..... 1
 NO [GO TO NGL27]..... 2
 REF [GO TO NGL27]..... 7
 DK [GO TO NGL27]..... 8

NGL24. Did you ever personally apply chemical fertilizers in the greenhouses where you worked?

YES..... 1
NO [GO TO NGL27]..... 2
REF [GO TO NGL27]..... 7
DK [GO TO NGL27]..... 8

NGL25. For how many years in total did you do this for any part of the year?

YEARS

NGL26. On average, about how many days per year did you do this?

DAYS PER YEAR

NGL27. Were natural fertilizers, such as manure, ever used in the greenhouses where you worked?

YES..... 1
NO [GO TO NGL31]..... 2
REF [GO TO NGL31]..... 7
DK [GO TO NGL31]..... 8

NGL28. Did you ever personally apply natural fertilizers in the greenhouses where you worked?

YES..... 1
NO [GO TO NGL31]..... 2
REF [GO TO NGL31]..... 7
DK [GO TO NGL31]..... 8

NGL29. For how many years in total did you do this for any part of the year?

YEARS

NGL30. On average, about how many days per year did you do this?

DAYS PER YEAR

NGL31. Did you ever work in outdoor nursery fields for at least one month out of the year?

YES..... 1
NO [GO TO NGL60]..... 2
REF [GO TO NGL60]..... 7
DK [GO TO NGL60]..... 8

NGL32. How many years in total did you work in outdoor nursery fields for at least one month per year?

YEARS

NGL33. In the years that you did this, about how many months and/or weeks per year, on average, did you work ?

MONTHS/YR WEEKS/YR

NGL34. On average, how many hours per week did you work in nursery fields?

HOURS PER WEEK

		Y	N	REF	DK
NGL35. What were the main types of nursery crops you worked with?	a. evergreen trees and shrubs.....	1	2	7	8
	b. deciduous trees and shrubs	1	2	7	8
	c. fruit trees.....	1	2	7	8
	d. perennial flowers	1	2	7	8
	e. vines and ground covers	1	2	7	8
	f. sod or grass	1	2	7	8
	g. other plants.....	1	2	7	8
	Please specify:				

NGL36. Were pesticides ever used on the nursery crops? Pesticides include insecticides, herbicides, fungicides and fumigants.	YES.....	1
	NO	[GO TO NGL52]..... 2
	REF.....	[GO TO NGL52]..... 7
	DK	[GO TO NGL52]..... 8

NGL37. Did you ever...		NGL38. For how many years in total did you do this for at least one day per year?	NGL39. On average, about how many days per year did you do this? (1 year = 365 days)
a. personally mix any pesticides for use on nursery crops, or help others do the mixing?	YES..... 1 NO[GO TO NGL37b] 2 REF[GO TO NGL37b]7 DK[GO TO NGL37b] 8	<input type="text"/> <input type="text"/> <input type="text"/> # YEARS	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> # DAYS PER YEAR
b. personally load pesticides for use on nursery crops?	YES..... 1 NO[GO TO NGL37c] 2 REF[GO TO NGL37c]7 DK[GO TO NGL37c] 8	<input type="text"/> <input type="text"/> <input type="text"/> # YEARS	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> # DAYS PER YEAR
c. personally apply pesticides on nursery crops?	YES..... 1 NO[GO TO NGL37d] 2 REF[GO TO NGL37d]7 DK[GO TO NGL37d] 8	<input type="text"/> <input type="text"/> <input type="text"/> # YEARS	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> # DAYS PER YEAR
d. clean or help clean the pesticide mixing or application equipment used on nursery crops?	YES..... 1 NO..... [*]..... 2 REF	<input type="text"/> <input type="text"/> <input type="text"/> # YEARS	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> # DAYS PER YEAR

<* IF NGL37c = YES, ASK NGL40; ELSE GO TO NGL41>

NGL40. In the years that you personally applied pesticides on nursery crops, were you the one who <u>always</u> applied the pesticides?	YES..... [GO TO NGL45].....	1
	NO	2
	REF.....	7
	DK	8

NGL41. About how many times per month, per year, or in total did others apply pesticides on nursery crops?

TIMES

- PER MONTH 1
- PER YEAR 2
- IN TOTAL 3

NGL42. Were you ever working in the nursery fields at the same time as when someone else was applying pesticides?

- YES 1
- NO [GO TO NGL45] 2
- REF [GO TO NGL45] 7
- DK [GO TO NGL45] 8

NGL43. How many years in total did this happen at least one time?

YEARS

NGL44. About how many days per year did this happen?

DAYS PER YEAR

NGL45. About how many minutes, hours, or days after pesticides were sprayed did you usually go back into the fields?

OF

- MINUTES 1
- HOURS 2
- DAYS 3

<* IF NO TO ALL IN NGL37 (a, b, c, d) — GO TO NGL49>

NGL46. When you mixed or applied pesticides, or cleaned pesticide equipment at the nursery, did you usually wear any of the following items: (By usually we mean most of the time.) [IF 'R' SAYS "ONLY SOMETIMES" OR "RARELY" CODE AS NO]

	Y	N	REF	DK
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 and 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

NGL47. While working at nurseries, 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 NGL49] 2
- REF [GO TO NGL49] 7
- DK [GO TO NGL49] 8

NGL48. How many times did this happen in total?

TIMES

DAYS

NGL49. About how many days per week, per month, or per year did you work with plants that had recently been sprayed with pesticides, for example, while pruning or weeding?

- PER WEEK 1
- PER MONTH 2
- PER YEAR..... 3

NGL50. Did you usually wear gloves when you handled plants that had recently been sprayed?

- YES..... 1
- NO [GO TO NGL52]..... 2
- REF [GO TO NGL52]..... 7
- DK [GO TO NGL52]..... 8

NGL51. Were the gloves made of...

- cloth or leather 1
- rubber..... 2
- a chemically resistant material like nitrile..... 3

NGL52. Were chemical fertilizers ever used on the nursery crops?

- YES..... 1
- NO [GO TO NGL56]..... 2
- REF [GO TO NGL56]..... 7
- DK [GO TO NGL56]..... 8

NGL53. Did you ever personally apply chemical fertilizers on the nursery crops?

- YES..... 1
- NO [GO TO NGL56]..... 2
- REF [GO TO NGL56]..... 7
- DK [GO TO NGL56]..... 8

NGL54. For how many years in total did you do this for any part of the year?

YEARS

NGL55. On average, about how many days per year did you do this?

DAYS PER YEAR

NGL56. Were natural fertilizers, such as manure, ever used on the nursery crops?

- YES..... 1
- NO [GO TO NGL60]..... 2
- REF [GO TO NGL60]..... 7
- DK [GO TO NGL60]..... 8

NGL57. Did you ever personally apply natural fertilizers on the nursery crops?

- YES..... 1
- NO [GO TO NGL60]..... 2
- REF [GO TO NGL60]..... 7
- DK [GO TO NGL60]..... 8

NGL58. For how many years in total did you do this for any part of the year?

YEARS

NGL59. On average, about how many days per year did you do this?

DAYS PER YEAR

NGL60. How many different full-time or part-time jobs have you had working in lawn care? This includes both paid and volunteer work that took at least 10 hours per week.
[IF NONE, ENTER 00]

JOBS

<IF #JOBS = 00, GO TO CLOSING STATEMENT>

I am going to ask about some specific tasks that you may have done working in lawn care.

<IF MORE THAN 1 JOB READ THE FOLLOWING SCRIPT:>

In answering these questions, please think about your overall experience in all of your jobs of this type.

NGL61. How many years in total did you have a job doing lawn care work for at least one month per year?

YEARS

NGL62. In the years that you did this, about how many months and/or weeks per year, on average, did you do lawn care?

MONTHS/YR

WEEKS/YR

NGL63. On average, how many hours per week did you spend doing lawn care?

HOURS PER WEEK

NGL64. Were pesticides ever used on the lawns you worked on? Pesticides include insecticides, herbicides, fungicides and fumigants.

- YES..... 1
- NO [GO TO NGL77]..... 2
- REF [GO TO NGL77]..... 7
- DK [GO TO NGL77]..... 8

NGL65. Did you ever...	NGL66. For how many years in total did you do this for at least one day per year?	NGL67. On average, about how many days per year did you do this? (1 year = 365 days)
a. personally mix any pesticides or help others do the mixing for any lawn care job? YES..... 1 NO[GO TO NGL65b]..2 REF[GO TO NGL65b] 7 DK[GO TO NGL65b]..8	<input type="text"/> # YEARS	<input type="text"/> # DAYS PER YEAR
b. personally load pesticides for any lawn care job? YES..... 1 NO[GO TO NGL65c]..2 REF[GO TO NGL65c] 7 DK[GO TO NGL65c]..8	<input type="text"/> # YEARS	<input type="text"/> # DAYS PER YEAR
c. personally apply pesticides for any lawn care job? YES..... 1 NO[GO TO NGL65d]..2 REF[GO TO NGL65d] 7 DK[GO TO NGL65d]..8	<input type="text"/> # YEARS	<input type="text"/> # DAYS PER YEAR
d. clean or help clean the pesticide mixing or application equipment for any lawn care job? YES..... 1 NO..... [*]..... 2 REF [*]..... 7 DK..... [*]..... 8	<input type="text"/> # YEARS	<input type="text"/> # DAYS PER YEAR

<* IF NGL65c = YES, ASK NGL68; ELSE GO TO NGL69>

NGL68. In the years that you personally applied pesticides on lawns, were you the one who always applied the pesticides?

YES..... [GO TO NGL73]..... 1
 NO 2
 REF 7
 DK 8

NGL69. About how many times per month, per year, or in total did others apply pesticides on lawns?

TIMES

PER MONTH 1
 PER YEAR 2
 IN TOTAL 3

NGL70. Were you ever working on a lawn at the same time as when someone else was applying pesticides?

YES..... 1
 NO [GO TO NGL73]..... 2
 REF [GO TO NGL73]..... 7
 DK [GO TO NGL73]..... 8

NGL71. How many years in total did this happen at least one time?

YEARS

NGL72. About how many days per year did this happen?

DAYS PER YEAR

NGL73. About how many minutes, hours, or days after pesticides were sprayed did you usually go back onto the lawn?

OF

MINUTES 1
 HOURS..... 2
 DAYS 3

<IF NO TO ALL IN NGL65 (a, b, c, d) – GO TO NGL77

NGL74. When you mixed or applied pesticides, or cleaned pesticide equipment for a lawn care job, did you usually wear any of the following items: (By usually we mean most of the time.)
 [IF 'R' SAYS "ONLY SOMETIMES" OR "RARELY" CODE AS NO]

	Y	N	REF	DK
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 mask.....	1	2	7	8
f. a hat.....	1	2	7	8
g. long sleeves and 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

NGL75. When handling pesticides for lawn care jobs, 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 NGL77]..... 2
 REF [GO TO NGL77]..... 7
 DK [GO TO NGL77]..... 8

NGL76. How many times did this happen in total?

TIMES

NGL77. Were chemical fertilizers ever used on the lawns you worked on?

- YES..... 1
- NO [GO TO NGL81]..... 2
- REF [GO TO NGL81]..... 7
- DK [GO TO NGL81]..... 8

NGL78. Did you ever personally apply chemical fertilizers on the lawns you worked on?

- YES..... 1
- NO [GO TO NGL81]..... 2
- REF [GO TO NGL81]..... 7
- DK [GO TO NGL81]..... 8

NGL79. For how many years in total did you do this for any part of the year?

YEARS

NGL80. On average, about how many days per year did you do this?

DAYS PER YEAR

NGL81. Were natural fertilizers, such as manure, ever used on the lawns you worked on?

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

NGL82. Did you ever personally apply natural fertilizers on the lawns you worked on?

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

NGL83. For how many years in total did you do this for any part of the year?

YEARS

NGL84. On average, about how many days per year did you do this?

DAYS PER YEAR

Thank you for answering these questions about your jobs you had working in nurseries, greenhouses, or in lawn care. Now I will ask questions about some other industries.

<RETURN TO SECTION OC>