

Environmental Exposure Questionnaire: Pesticides at Work

Start of Block: Intro Block

Q5 PESTICIDES AT WORK

Q6 *The following questions ask about chemicals you may have used at work during different periods of your life. Please answer these questions to the best of your ability.*

Q7 These questions were primarily completed by:

- ☐ Study Participant (1)
 - ☐ Study Participant's Spouse (2)
 - ☐ Other relative (3) _____
 - ☐ Someone else (4) _____
-

Q8 **Over your lifetime, have you ever had a JOB in which you *mixed, applied, or were exposed in some other way* to any type of pesticide, including herbicides (kill weeds), fungicides (kill fungus/mold), insecticides (kill insects), rodenticides (kill rats/mice), or fumigants (gas used to kill fungus/mold or insects)?**

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: End of Survey If Q8 = 2

Skip To: End of Survey If Q8 = 3

Skip To: End of Survey If Q8 = 4

Q9 Please select your current age group:

- ☐ 18-25 (1)
- ☐ 26-35 (2)
- ☐ 36-45 (3)
- ☐ 46-55 (4)
- ☐ 56-65 (5)
- ☐ 66 and older (6)

End of Block: Intro Block

Start of Block: Birth - 25

Q10 ***Please answer the following questions for each period of your life.***

Q11 **SECTION A: Birth – 25 years old**

Q12

During this period of life (birth through age 25), did you work in a job where you mixed or applied pesticides, or were exposed in some other way?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: End of Block If Q12 = 2

Skip To: End of Block If Q12 = 3

Skip To: End of Block If Q12 = 4

Display This Question:

If Q12 = 1

Q13 During this period of life (birth through age 25), how were you exposed to pesticides? (check all that apply)

- ☐ Mixed or applied (1)
- ☐ Exposed in some other way, specify (2)
-

Q14

During this period of life (birth through age 25), what type of job(s) or industry were you working in when you mixed, applied, or were exposed in some other way to pesticides? (CHECK ALL THAT APPLY)

- ☐ Farming or Ranching (1)
- ☐ Other agricultural applications (for example, aerial spraying) (2)
- ☐ Forestry (3)
- ☐ Landscaping / Gardening / Groundskeeping (4)
- ☐ Nursery / Greenhouse (5)
- ☐ Pest control / Exterminator (6)
- ☐ Building maintenance/ Janitorial (7)
- ☐ Other, specify: (8) _____
- ☐ Don't Know (9)
- ☐ Prefer Not to Answer (10)

Display This Question:

If Q14 = 1

Q15 When farming or ranching during this period of life (birth through age 25), were you exposed to or did you use pesticides on any of the following:

☐

Crops, specify which crops: (1)

☐

Livestock/farm animals, specify which livestock/farm animals: (2)



Q16

During this period of life (birth through age 25), **how many total years did you have jobs where you mixed, applied, *or were exposed in some other way* to pesticides?**

☐

Total Years (1) _____

☐

Don't Know (2)

Q17

During these years (birth through age 25), **about how many days per year did you mix, apply, *or get exposed in some other way* to pesticides?**

☐

1 - 10 days (1)

☐

11 - 30 days (2)

☐

31 - 90 days (3)

☐

More than 90 days (4)

☐

Don't Know (5)

☐

Prefer Not to Answer (6)

Page Break

Q18 What types of pesticides did you mix, apply, or get exposed to in some other way during these years (birth through age 25)? Please mark all the specific products that you used. If you do not know the specific name of the pesticide, but know the type of pesticide (herbicide, insecticide, etc), please indicate the group.

Q19 **Herbicides at work during these years (age 25 or less):**

Q20 Did you mix, apply or get exposed to herbicides (pesticides used to kill weeds or plants) during these years (age 25 or less)? (2, 4-D products, Atrazine or Cyanazine products, Metolachlor, Alachor or Acetochlor products, Paraquat or Diquat products, Trifluralin or other herbicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
-

Display This Question:

If Q20 = 1

Q21 Which types of herbicides you mix, apply or get exposed to during these years (age 25 or less)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
2,4-D products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atrazine or Cyanazine products (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metolachlor, Alachlor or Acetochlor products (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Paraquat or Diquat products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trifluralin (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used herbicide, don't know name (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q21 = 6 [1]

Q22 Please specify other herbicides used during these years (age 25 or less)

- ☐ Specify other herbicide: (1) _____
- ☐ Specify other herbicide: (2) _____
- ☐ Specify other herbicide: (3) _____

Q23 Fungicides at work during these years (age 25 or less):

Q24 Did you mix, apply or get exposed to fungicides (pesticides used to kill fungus, mold or rot) during these years (age 25 or less)? (Benomyl products, Chlorothalonil, Copper compounds, Maneb or Mancozeb products, Sulfur compounds, Ziram products or other fungicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q24 = 1

Q25 Which types of fungicides you mix, apply or get exposed to during these years (age 25 or less)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Benomyl products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorothalonil (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Copper compounds (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maneb or Mancozeb products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sulfur compounds (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ziram products (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, specify below (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fungicides, don't know name (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q25 = 7 [1]

Q26 Please specify other fungicides used during these years (age 25 or less)

☐ Specify other fungicide: (1) _____

☐ Specify other fungicide: (2) _____

☐ Specify other fungicide: (3) _____

Q27 Insecticides at work during these years (age 25 or less):

Q28 Did you mix, apply or get exposed to insecticides (pesticides used to kill insects) during these years (age 25 or less)? (Aldrin products, chlorpyrifox or terbufos, DDT, Dieldrin products, Lindane products, Oil, Parathion products, Permethrin or other pyrethroid products, Rotenone products or other insecticides)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q28 = 1

Q29 Which types of insecticides you mix, apply or get exposed to during these years (age 25 or less)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Aldrin products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorpyrifos or Terbufos (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DDT (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dieldrin products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lindane products (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parathion products (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permethrin or other pyrethroid products (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rotenone products (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used insecticide, don't know name (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q29 = 10 [1]

Q30 Please specify other insecticides used during these years (age 25 or less)

☐ Specify other insecticide: (1)

☐ Specify other insecticide: (2)

☐ Specify other insecticide: (3)

Q31 Rodenticides at work during these years (age 25 or less):

Q32 Did you mix, apply or get exposed to rodenticides (pesticides used to kill rats or mice) during these years (age 25 or less)?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q32 = 1



Q33 Which types of rodenticide you mix, apply or get exposed to during these years (age 25 or less)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Other (specify below) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used rodenticide, don't know name (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q33 = 1 [1]

Q34 Specify any rodenticides you used during these years (age 25 or less)

☐ Specify other rodenticide: (1)

☐ Specify other rodenticide: (2)

☐ Specify other rodenticide: (3)

Q35 Fumigants at work during these years (age 25 or less):

Q36 Did you mix, apply or get exposed to fumigants (gas used to kill insects, fungus or plants) during these years (age 25 or less)? (Such as Methyl bromide or other fumigants)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q36 = 1



Q37 Which types of fumigants you mix, apply or get exposed to during these years (age 25 or less)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Methyl bromide (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fumigant, don't know name (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q37 = 2 [1]

Q38 Specify any fumigants you used during these years (age 25 or less)

- ☐ Specify other fumigant: (1) _____
- ☐ Specify other fumigant: (2) _____
- ☐ Specify other fumigant: (3) _____

Q39 Other pesticides at work during these years (age 25 or less):

Q40 Did you mix, apply or get exposed to any other pesticides that were not previously mentioned during these years (age 25 or less)?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q40 = 1

Q41 Specify any other pesticides you used during these years (age 25 or less)

☐ Specify other pesticide: (1) _____

☐ Specify other pesticide: (2) _____

☐ Specify other pesticide: (3) _____

End of Block: Birth - 25

Start of Block: 26-35

Q53 SECTION B: 26 - 35 years old

Q54

During this period of life (age 26-35), did you work in a job where you mixed or applied pesticides, or were exposed in some other way?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

☐ Prefer Not to Answer (4)

Skip To: End of Block If Q54 = 2

Skip To: End of Block If Q54 = 3

Skip To: End of Block If Q54 = 4

Display This Question:

If Q54 = 1

Q55 During this period of life (age 26-35), how were you exposed to pesticides? (check all that apply)

- ☐ Mixed or applied (1)
- ☐ Exposed in some other way, specify (2) _____

Q56

During this period of life (age 26-35), what type of job(s) or industry were you working in when you mixed, applied, or were exposed in some other way to pesticides? (CHECK ALL THAT APPLY)

- ☐ Farming or Ranching (1)
- ☐ Other agricultural applications (for example, aerial spraying) (2)
- ☐ Forestry (3)
- ☐ Landscaping / Gardening / Groundskeeping (4)
- ☐ Nursery / Greenhouse (5)
- ☐ Pest control / Exterminator (6)
- ☐ Building maintenance/ Janitorial (7)
- ☐ Other, specify: (8) _____
- ☐ Don't Know (9)
- ☐ Prefer Not to Answer (10)
-

Display This Question:

If Q56 = 1

Q57 When farming or ranching during this period of life (age 26-35), were you exposed to or did you use pesticides on any of the following:

☐

Crops, specify which crops: (1)

☐

Livestock/farm animals, specify which livestock/farm animals: (2)



Q58

During this period of life (age 26-35), how many total years did you have jobs where you mixed, applied, or were exposed in some other way to pesticides?

☐

Total Years (1) _____

☐

Don't Know (2)

Q59

During these years (age 26-35), about how many days per year did you mix, apply, or get exposed in some other way to pesticides?

☐

1 - 10 days (1)

☐

11 - 30 days (2)

☐

31 - 90 days (3)

☐

More than 90 days (4)

☐

Don't Know (5)

☐

Prefer Not to Answer (6)

Page Break

Q60 What types of pesticides did you mix, apply, or get exposed to in some other way during these years (age 26-35)? Please mark all the specific products that you used. If you do not know the specific name of the pesticide, but know the type of pesticide (herbicide, insecticide, etc), please indicate the group.

Q61 **Herbicides at work during these years** (age 26-35):

Q62 Did you mix, apply or get exposed to herbicides (pesticides used to kill weeds or plants) during these years (age 26-35)? (2, 4-D products, Atrazine or Cyanazine products, Metolachlor, Alachor or Acetochlor products, Paraquat or Diquat products, Trifluralin or other herbicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
-

Display This Question:

If Q62 = 1

Q63 Which types of herbicides you mix, apply or get exposed to during these years (age 26-35)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
2,4-D products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atrazine or Cyanazine products (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metolachlor, Alachlor or Acetochlor products (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Paraquat or Diquat products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trifluralin (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used herbicide, don't know name (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q63 = 6 [1]

Q64 Please specify other herbicides used during these years (age 26-35)

- ☐ Specify other herbicide: (1) _____
- ☐ Specify other herbicide: (2) _____
- ☐ Specify other herbicide: (3) _____

Q65 Fungicides at work during these years (age 26-35):

Q66 Did you mix, apply or get exposed to fungicides (pesticides used to kill fungus, mold or rot) during these years (age 26-35)? (Benomyl products, Chlorothalonil, Copper compounds, Maneb or Mancozeb products, Sulfur compounds, Ziram products or other fungicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q66 = 1

Q67 Which types of fungicides you mix, apply or get exposed to during these years (age 26-35)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Benomyl products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorothalonil (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Copper compounds (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maneb or Mancozeb products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sulfur compounds (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ziram products (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, specify below (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fungicides, don't know name (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q67 = 7 [1]

Q68 Please specify other fungicides used during these years (age 26-35)

☐ Specify other fungicide: (1) _____

☐ Specify other fungicide: (2) _____

☐ Specify other fungicide: (3) _____

Q69 Insecticides at work during these years (age 26-35):

Q70 Did you mix, apply or get exposed to insecticides (pesticides used to kill insects) during these years (age 26-35)? (Aldrin products, chlorpyrifox or terbufos, DDT, Dieldrin products, Lindane products, Oil, Parathion products, Permethrin or other pyrethroid products, Rotenone products or other insecticides)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q70 = 1

Q71 Which types of insecticides you mix, apply or get exposed to during these years (age 26-35)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Aldrin products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorpyrifos or Terbufos (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DDT (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dieldrin products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lindane products (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parathion products (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permethrin or other pyrethroid products (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rotenone products (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used insecticide, don't know name (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q71 = 10 [1]

Q72 Please specify other insecticides used during these years (age 26-35)

☐ Specify other insecticide: (1)

☐ Specify other insecticide: (2)

☐ Specify other insecticide: (3)

Q73 Rodenticides at work during these years (age 26-35):

Q74 Did you mix, apply or get exposed to rodenticides (pesticides used to kill rats or mice) during these years (age 26-35)?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q74 = 1



Q75 Which types of rodenticide you mix, apply or get exposed to during these years (age 26-35)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Other (specify below) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used rodenticide, don't know name (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q75 = 1 [1]

Q76 Specify any rodenticides you used during these years (age 26-35)

☐ Specify other rodenticide: (1)

☐ Specify other rodenticide: (2)

☐ Specify other rodenticide: (3)

Q77 Fumigants at work during these years (age 26-35):

Q78 Did you mix, apply or get exposed to fumigants (gas used to kill insects, fungus or plants) during these years (age 26-35)? (Such as Methyl bromide or other fumigants)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q78 = 1



Q79 Which types of fumigants you mix, apply or get exposed to during these years (age 26-35)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Methyl bromide (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fumigant, don't know name (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q79 = 2 [1]

Q80 **Specify any fumigants you used during these years (age 26-35)**

- ☐ Specify other fumigant: (1) _____
- ☐ Specify other fumigant: (2) _____
- ☐ Specify other fumigant: (3) _____

Q81 Other pesticides at work during these years (age 26-35):

Q82 Did you mix, apply or get exposed to any other pesticides that were not previously mentioned during these years (age 26-35)?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q82 = 1

Q83 Specify any other pesticides you used during these years (age 26-35)

☐ Specify other pesticide: (1) _____

☐ Specify other pesticide: (2) _____

☐ Specify other pesticide: (3) _____

End of Block: 26-35

Start of Block: 36-45

Q84 SECTION C: 36 - 45 years old

Q85

During this period of life (age 36-45), did you work in a job where you mixed or applied pesticides, or were exposed in some other way?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

☐ Prefer Not to Answer (4)

Skip To: End of Block If Q85 = 2

Skip To: End of Block If Q85 = 3

Skip To: End of Block If Q85 = 4

Display This Question:

If Q85 = 1

Q86 During this period of life (age 36-45), how were you exposed to pesticides? (check all that apply)

- ☐ Mixed or applied (1)
- ☐ Exposed in some other way, specify (2) _____

Q87

During this period of life (age 36-45), what type of job(s) or industry were you working in when you mixed, applied, *or were exposed in some other way* to pesticides? (CHECK ALL THAT APPLY)

- ☐ Farming or Ranching (1)
- ☐ Other agricultural applications (for example, aerial spraying) (2)
- ☐ Forestry (3)
- ☐ Landscaping / Gardening / Groundskeeping (4)
- ☐ Nursery / Greenhouse (5)
- ☐ Pest control / Exterminator (6)
- ☐ Building maintenance/ Janitorial (7)
- ☐ Other, specify: (8) _____
- ☐ Don't Know (9)
- ☐ Prefer Not to Answer (10)
-

Display This Question:

If Q87 = 1

Q88 When farming or ranching during this period of life (age 36-45), were you exposed to or did you use pesticides on any of the following:

☐

Crops, specify which crops: (1)

☐

Livestock/farm animals, specify which livestock/farm animals: (2)



Q89

During this period of life (age 36-45), how many total years did you have jobs where you mixed, applied, or were exposed in some other way to pesticides?

☐

Total Years (1) _____

☐

Don't Know (2)

Q90

During these years (age 36-45), about how many days per year did you mix, apply, or get exposed in some other way to pesticides?

☐

1 - 10 days (1)

☐

11 - 30 days (2)

☐

31 - 90 days (3)

☐

More than 90 days (4)

☐

Don't Know (5)

☐

Prefer Not to Answer (6)

Page Break

Q91 What types of pesticides did you mix, apply, or get exposed to in some other way during these years (age 36-45)? Please mark all the specific products that you used. If you do not know the specific name of the pesticide, but know the type of pesticide (herbicide, insecticide, etc), please indicate the group.

Q92 **Herbicides at work during these years** (age 26-35):

Q93 Did you mix, apply or get exposed to herbicides (pesticides used to kill weeds or plants) during these years (age 36-45)? (2, 4-D products, Atrazine or Cyanazine products, Metolachlor, Alachor or Acetochlor products, Paraquat or Diquat products, Trifluralin or other herbicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
-

Display This Question:

If Q93 = 1

Q94 Which types of herbicides you mix, apply or get exposed to during these years (age 36-45)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
2,4-D products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atrazine or Cyanazine products (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metolachlor, Alachlor or Acetochlor products (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Paraquat or Diquat products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trifluralin (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used herbicide, don't know name (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q94 = 6 [1]

Q95 Please specify other herbicides used during these years (age 36-45)

- ☐ Specify other herbicide: (1) _____
- ☐ Specify other herbicide: (2) _____
- ☐ Specify other herbicide: (3) _____

Q96 Fungicides at work during these years (age 36-45):

Q97 Did you mix, apply or get exposed to fungicides (pesticides used to kill fungus, mold or rot) during these years (age 36-45)? (Benomyl products, Chlorothalonil, Copper compounds, Maneb or Mancozeb products, Sulfur compounds, Ziram products or other fungicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q97 = 1

Q98 Which types of fungicides you mix, apply or get exposed to during these years (age 36-45)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Benomyl products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorothalonil (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Copper compounds (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maneb or Mancozeb products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sulfur compounds (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ziram products (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, specify below (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fungicides, don't know name (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q98 = 7 [1]

Q99 Please specify other fungicides used during these years (age 36-45)

☐ Specify other fungicide: (1) _____

☐ Specify other fungicide: (2) _____

☐ Specify other fungicide: (3) _____

Q100 Insecticides at work during these years (age 36-45):

Q101 Did you mix, apply or get exposed to insecticides (pesticides used to kill insects) during these years (age 36-45)? (Aldrin products, chlorpyrifox or terbufos, DDT, Dieldrin products, Lindane products, Oil, Parathion products, Permethrin or other pyrethroid products, Rotenone products or other insecticides)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q101 = 1

Q102 Which types of insecticides you mix, apply or get exposed to during these years (age 36-45)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Aldrin products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorpyrifos or Terbufos (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DDT (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dieldrin products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lindane products (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parathion products (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permethrin or other pyrethroid products (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rotenone products (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used insecticide, don't know name (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q102 = 10 [1]

Q103 Please specify other insecticides used during these years (age 36-45)

☐ Specify other insecticide: (1)

☐ Specify other insecticide: (2)

☐ Specify other insecticide: (3)

Q104 Rodenticides at work during these years (age 36-45):

Q105 Did you mix, apply or get exposed to rodenticides (pesticides used to kill rats or mice) during these years (age 36-45)?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q105 = 1



Q106 Which types of rodenticide you mix, apply or get exposed to during these years (age 36-45)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Other (specify below) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used rodenticide, don't know name (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q106 = 1 [1]

Q107 **Specify any rodenticides you used during these years** (age 36-45)

☐ Specify other rodenticide: (1)

☐ Specify other rodenticide: (2)

☐ Specify other rodenticide: (3)

Q108 Fumigants at work during these years (age 36-45):

Q109 Did you mix, apply or get exposed to fumigants (gas used to kill insects, fungus or plants) during these years (age 36-45)? (Such as Methyl bromide or other fumigants)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q109 = 1



Q110 Which types of fumigants you mix, apply or get exposed to during these years (age 36-45)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Methyl bromide (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fumigant, don't know name (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q110 = 2 [1]

Q111 **Specify any fumigants you used during these years** (age 36-45)

- ☐ Specify other fumigant: (1) _____
- ☐ Specify other fumigant: (2) _____
- ☐ Specify other fumigant: (3) _____

Q112 Other pesticides at work during these years (age 36-45):

Q113 Did you mix, apply or get exposed to any other pesticides that were not previously mentioned during these years (age 36-45)?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q113 = 1

Q114 Specify any other pesticides you used during these years (age 36-45)

☐ Specify other pesticide: (1) _____

☐ Specify other pesticide: (2) _____

☐ Specify other pesticide: (3) _____

End of Block: 36-45

Start of Block: 46-55

Q115 SECTION D: 46 - 55 years old

Q116

During this period of life (age 46-55), did you work in a job where you mixed or applied pesticides, or were exposed in some other way?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

☐ Prefer Not to Answer (4)

Skip To: End of Block If Q116 = 2

Skip To: End of Block If Q116 = 3

Skip To: End of Block If Q116 = 4

Display This Question:

If Q116 = 1

Q117 During this period of life (age 46-55), how were you exposed to pesticides? (check all that apply)

- ☐ Mixed or applied (1)
- ☐ Exposed in some other way, specify (2) _____

Q118

During this period of life (age 46-55), what type of job(s) or industry were you working in when you mixed, applied, or were exposed in some other way to pesticides? (CHECK ALL THAT APPLY)

- ☐ Farming or Ranching (1)
- ☐ Other agricultural applications (for example, aerial spraying) (2)
- ☐ Forestry (3)
- ☐ Landscaping / Gardening / Groundskeeping (4)
- ☐ Nursery / Greenhouse (5)
- ☐ Pest control / Exterminator (6)
- ☐ Building maintenance/ Janitorial (7)
- ☐ Other, specify: (8) _____
- ☐ Don't Know (9)
- ☐ Prefer Not to Answer (10)
-

Display This Question:

If Q118 = 1

Q119 When farming or ranching during this period of life (age 46-55), were you exposed to or did you use pesticides on any of the following:

☐

Crops, specify which crops: (1)

☐

Livestock/farm animals, specify which livestock/farm animals: (2)



Q120

During this period of life (age 46-55), how many total years did you have jobs where you mixed, applied, or were exposed in some other way to pesticides?

☐

Total Years (1) _____

☐

Don't Know (2)

Q121

During these years (age 46-55), about how many days per year did you mix, apply, or get exposed in some other way to pesticides?

☐

1 - 10 days (1)

☐

11 - 30 days (2)

☐

31 - 90 days (3)

☐

More than 90 days (4)

☐

Don't Know (5)

☐

Prefer Not to Answer (6)

Page Break

Q122 What types of pesticides did you mix, apply, or get exposed to in some other way during these years (age 46-55)? Please mark all the specific products that you used. If you do not know the specific name of the pesticide, but know the type of pesticide (herbicide, insecticide, etc), please indicate the group.

Q123 **Herbicides at work during these years** (age 46-55):

Q124 Did you mix, apply or get exposed to herbicides (pesticides used to kill weeds or plants) during these years (age 46-55)? (2, 4-D products, Atrazine or Cyanazine products, Metolachlor, Alachor or Acetochlor products, Paraquat or Diquat products, Trifluralin or other herbicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
-

Display This Question:

If Q124 = 1

Q125 Which types of herbicides you mix, apply or get exposed to during these years (age 46-55)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
2,4-D products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atrazine or Cyanazine products (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metolachlor, Alachlor or Acetochlor products (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Paraquat or Diquat products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trifluralin (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used herbicide, don't know name (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q125 = 6 [1]

Q126 Please specify other herbicides used during these years (age 46-55)

- ☐ Specify other herbicide: (1) _____
- ☐ Specify other herbicide: (2) _____
- ☐ Specify other herbicide: (3) _____

Q127 Fungicides at work during these years (age 26-35):

Q128 Did you mix, apply or get exposed to fungicides (pesticides used to kill fungus, mold or rot) during these years (age 46-55)? (Benomyl products, Chlorothalonil, Copper compounds, Maneb or Mancozeb products, Sulfur compounds, Ziram products or other fungicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q128 = 1

Q129 Which types of fungicides you mix, apply or get exposed to during these years (age 46-55)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Benomyl products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorothalonil (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Copper compounds (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maneb or Mancozeb products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sulfur compounds (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ziram products (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, specify below (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fungicides, don't know name (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q129 = 7 [1]

Q130 Please specify other fungicides used during these years (age 46-55)

☐ Specify other fungicide: (1) _____

☐ Specify other fungicide: (2) _____

☐ Specify other fungicide: (3) _____

Q131 Insecticides at work during these years (age 46-55):

Q132 Did you mix, apply or get exposed to insecticides (pesticides used to kill insects) during these years (age 46-55)? (Aldrin products, chlorpyrifox or terbufos, DDT, Dieldrin products, Lindane products, Oil, Parathion products, Permethrin or other pyrethroid products, Rotenone products or other insecticides)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q132 = 1

Q133 Which types of insecticides you mix, apply or get exposed to during these years (age 46-55)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Aldrin products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorpyrifos or Terbufos (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DDT (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dieldrin products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lindane products (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parathion products (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permethrin or other pyrethroid products (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rotenone products (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used insecticide, don't know name (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q133 = 10 [1]

Q134 Please specify other insecticides used during these years (age 46-55)

☐ Specify other insecticide: (1)

☐ Specify other insecticide: (2)

☐ Specify other insecticide: (3)

Q135 Rodenticides at work during these years (age 46-55):

Q136 Did you mix, apply or get exposed to rodenticides (pesticides used to kill rats or mice) during these years (age 46-55)?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q136 = 1



Q137 Which types of rodenticide you mix, apply or get exposed to during these years (age 46-55)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Other (specify below) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used rodenticide, don't know name (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q137 = 1 [1]

Q138 **Specify any rodenticides you used during these years** (age 46-55)

☐ Specify other rodenticide: (1)

☐ Specify other rodenticide: (2)

☐ Specify other rodenticide: (3)

Q139 Fumigants at work during these years (age 46-55):

Q140 Did you mix, apply or get exposed to fumigants (gas used to kill insects, fungus or plants) during these years (age 46-55)? (Such as Methyl bromide or other fumigants)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q140 = 1



Q141 Which types of fumigants you mix, apply or get exposed to during these years (age 46-55)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Methyl bromide (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fumigant, don't know name (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q141 = 2 [1]

Q142 **Specify any fumigants you used during these years** (age 46-55)

- ☐ Specify other fumigant: (1) _____
- ☐ Specify other fumigant: (2) _____
- ☐ Specify other fumigant: (3) _____

Q143 Other pesticides at work during these years (age 46-55):

Q144 Did you mix, apply or get exposed to any other pesticides that were not previously mentioned during these years (age 46-55)?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q144 = 1

Q145 Specify any other pesticides you used during these years (age 46-55)

- ☐ Specify other pesticide: (1) _____
- ☐ Specify other pesticide: (2) _____
- ☐ Specify other pesticide: (3) _____

End of Block: 46-55

Start of Block: 56-65

Q146 SECTION E: 56 - 65 years old

Q147

During this period of life (age 56-65), did you work in a job where you mixed or applied pesticides, or were exposed in some other way?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: End of Block If Q147 = 2

Skip To: End of Block If Q147 = 3

Skip To: End of Block If Q147 = 4

Display This Question:

If Q147 = 1

Q148 During this period of life (age 56-65), how were you exposed to pesticides? (check all that apply)

- ☐ Mixed or applied (1)
- ☐ Exposed in some other way, specify (2) _____

Q149

During this period of life (age 56-65), what type of job(s) or industry were you working in when you mixed, applied, or were exposed in some other way to pesticides? (CHECK ALL THAT APPLY)

- ☐ Farming or Ranching (1)
- ☐ Other agricultural applications (for example, aerial spraying) (2)
- ☐ Forestry (3)
- ☐ Landscaping / Gardening / Groundskeeping (4)
- ☐ Nursery / Greenhouse (5)
- ☐ Pest control / Exterminator (6)
- ☐ Building maintenance/ Janitorial (7)
- ☐ Other, specify: (8) _____
- ☐ Don't Know (9)
- ☐ Prefer Not to Answer (10)
-

Display This Question:

If Q149 = 1

Q150 When farming or ranching during this period of life (age 56-65), were you exposed to or did you use pesticides on any of the following:

☐

Crops, specify which crops: (1)

☐

Livestock/farm animals, specify which livestock/farm animals: (2)



Q151

During this period of life (age 56-65), how many total years did you have jobs where you mixed, applied, or were exposed in some other way to pesticides?

☐

Total Years (1) _____

☐

Don't Know (2)

Q152

During these years (age 56-65), about how many days per year did you mix, apply, or get exposed in some other way to pesticides?

☐

1 - 10 days (1)

☐

11 - 30 days (2)

☐

31 - 90 days (3)

☐

More than 90 days (4)

☐

Don't Know (5)

☐

Prefer Not to Answer (6)

Page Break

Q153 What types of pesticides did you mix, apply, or get exposed to in some other way during these years (age 56-65)? Please mark all the specific products that you used. If you do not know the specific name of the pesticide, but know the type of pesticide (herbicide, insecticide, etc), please indicate the group.

Q154 **Herbicides at work during these years** (age 56-65):

Q155 Did you mix, apply or get exposed to herbicides (pesticides used to kill weeds or plants) during these years (age 56-65)? (2, 4-D products, Atrazine or Cyanazine products, Metolachlor, Alachor or Acetochlor products, Paraquat or Diquat products, Trifluralin or other herbicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
-

Display This Question:

If Q155 = 1

Q156 Which types of herbicides you mix, apply or get exposed to during these years (age 56-65)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
2,4-D products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atrazine or Cyanazine products (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metolachlor, Alachlor or Acetochlor products (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Paraquat or Diquat products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trifluralin (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used herbicide, don't know name (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q156 = 6 [1]

Q157 Please specify other herbicides used during these years (age 56-65)

- ☐ Specify other herbicide: (1) _____
- ☐ Specify other herbicide: (2) _____
- ☐ Specify other herbicide: (3) _____

Q158 Fungicides at work during these years (age 56-65):

Q159 Did you mix, apply or get exposed to fungicides (pesticides used to kill fungus, mold or rot) during these years (age 56-65)? (Benomyl products, Chlorothalonil, Copper compounds, Maneb or Mancozeb products, Sulfur compounds, Ziram products or other fungicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q159 = 1

Q160 Which types of fungicides you mix, apply or get exposed to during these years (age 56-65)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Benomyl products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorothalonil (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Copper compounds (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maneb or Mancozeb products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sulfur compounds (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ziram products (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, specify below (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fungicides, don't know name (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q160 = 7 [1]

Q161 Please specify other fungicides used during these years (age 56-65)

☐ Specify other fungicide: (1) _____

☐ Specify other fungicide: (2) _____

☐ Specify other fungicide: (3) _____

Q162 Insecticides at work during these years (age 56-65):

Q163 Did you mix, apply or get exposed to insecticides (pesticides used to kill insects) during these years (age 56-65)? (Aldrin products, chlorpyrifox or terbufos, DDT, Dieldrin products, Lindane products, Oil, Parathion products, Permethrin or other pyrethroid products, Rotenone products or other insecticides)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q163 = 1

Q164 Which types of insecticides you mix, apply or get exposed to during these years (age 56-65)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Aldrin products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorpyrifos or Terbufos (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DDT (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dieldrin products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lindane products (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parathion products (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permethrin or other pyrethroid products (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rotenone products (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used insecticide, don't know name (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q164 = 10 [1]

Q165 Please specify other insecticides used during these years (age 56-65)

☐ Specify other insecticide: (1)

☐ Specify other insecticide: (2)

☐ Specify other insecticide: (3)

Q166 Rodenticides at work during these years (age 56-65):

Q167 Did you mix, apply or get exposed to rodenticides (pesticides used to kill rats or mice) during these years (age 56-65)?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q167 = 1



Q168 Which types of rodenticide you mix, apply or get exposed to during these years (age 56-65)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Other (specify below) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used rodenticide, don't know name (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q168 = 1 [1]

Q169 **Specify any rodenticides you used during these years** (age 56-65)

☐ Specify other rodenticide: (1)

☐ Specify other rodenticide: (2)

☐ Specify other rodenticide: (3)

Q170 Fumigants at work during these years (age 56-65):

Q171 Did you mix, apply or get exposed to fumigants (gas used to kill insects, fungus or plants) during these years (age 56-65)? (Such as Methyl bromide or other fumigants)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q171 = 1



Q172 Which types of fumigants you mix, apply or get exposed to during these years (age 56-65)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Methyl bromide (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fumigant, don't know name (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q172 = 2 [1]

Q173 **Specify any fumigants you used during these years** (age 56-65)

- ☐ Specify other fumigant: (1) _____
- ☐ Specify other fumigant: (2) _____
- ☐ Specify other fumigant: (3) _____

Q174 Other pesticides at work during these years (age 56-65):

Q175 Did you mix, apply or get exposed to any other pesticides that were not previously mentioned during these years (age 56-65)?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q175 = 1

Q176 Specify any other pesticides you used during these years (age 56-65)

- ☐ Specify other pesticide: (1) _____
- ☐ Specify other pesticide: (2) _____
- ☐ Specify other pesticide: (3) _____

End of Block: 56-65

Start of Block: 66 and above

Q177 SECTION E: Age 66 and above

Q178

During this period of life (age 66 and above), did you work in a job where you mixed or applied pesticides, or were exposed in some other way?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

Skip To: End of Block If Q178 = 2

Skip To: End of Block If Q178 = 3

Skip To: End of Block If Q178 = 4

Display This Question:

If Q178 = 1

Q179 During this period of life (age 66 and above), **how were you exposed to pesticides?**
(check all that apply)

- ☐ Mixed or applied (1)
- ☐ Exposed in some other way, specify (2) _____

Q180

During this period of life (age 66 and above), **what type of job(s) or industry were you working in when you mixed, applied, or were exposed in some other way to pesticides?**
(CHECK ALL THAT APPLY)

- ☐ Farming or Ranching (1)
- ☐ Other agricultural applications (for example, aerial spraying) (2)
- ☐ Forestry (3)
- ☐ Landscaping / Gardening / Groundskeeping (4)
- ☐ Nursery / Greenhouse (5)
- ☐ Pest control / Exterminator (6)
- ☐ Building maintenance/ Janitorial (7)
- ☐ Other, specify: (8) _____
- ☐ Don't Know (9)
- ☐ Prefer Not to Answer (10)
-

Display This Question:

If Q180 = 1

Q181 When farming or ranching during this period of life (age 66 and above), were you exposed to or did you use pesticides on any of the following:

☐

Crops, specify which crops: (1)

☐

Livestock/farm animals, specify which livestock/farm animals: (2)



Q182

During this period of life (age 66 and above), **how many total years did you have jobs where you mixed, applied, *or were exposed in some other way* to pesticides?**

☐

Total Years (1) _____

☐

Don't Know (2)

Q183

During these years (age 66 and above), **about how many days per year did you mix, apply, *or get exposed in some other way* to pesticides?**

☐

1 - 10 days (1)

☐

11 - 30 days (2)

☐

31 - 90 days (3)

☐

More than 90 days (4)

☐

Don't Know (5)

☐

Prefer Not to Answer (6)

Page Break

Q184 What types of pesticides did you mix, apply, or get exposed to in some other way during these years (age 66 and above)? Please mark all the specific products that you used. If you do not know the specific name of the pesticide, but know the type of pesticide (herbicide, insecticide, etc), please indicate the group.

Q185 **Herbicides at work during these years** (age 66 and above):

Q186 Did you mix, apply or get exposed to herbicides (pesticides used to kill weeds or plants) during these years (age 66 and above)? (2, 4-D products, Atrazine or Cyanazine products, Metolachlor, Alachor or Acetochlor products, Paraquat or Diquat products, Trifluralin or other herbicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
-

Display This Question:

If Q186 = 1

Q187 Which types of herbicides you mix, apply or get exposed to during these years (age 66 and above)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
2,4-D products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Atrazine or Cyanazine products (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Metolachlor, Alachlor or Acetochlor products (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Paraquat or Diquat products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trifluralin (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used herbicide, don't know name (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q187 = 6 [1]

Q188 Please specify other herbicides used during these years (age 66 and above)

- ☐ Specify other herbicide: (1) _____
- ☐ Specify other herbicide: (2) _____
- ☐ Specify other herbicide: (3) _____

Q189 Fungicides at work during these years (age 66 and above):

Q190 Did you mix, apply or get exposed to fungicides (pesticides used to kill fungus, mold or rot) during these years (age 66 and above)? (Benomyl products, Chlorothalonil, Copper compounds, Maneb or Mancozeb products, Sulfur compounds, Ziram products or other fungicides)

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q190 = 1

Q191 **Which types of fungicides you mix, apply or get exposed to during these years** (age 66 and above)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Benomyl products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorothalonil (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Copper compounds (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maneb or Mancozeb products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sulfur compounds (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ziram products (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other, specify below (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fungicides, don't know name (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q191 = 7 [1]

Q192 Please specify other fungicides used during these years (age 66 and above)

☐ Specify other fungicide: (1) _____

☐ Specify other fungicide: (2) _____

☐ Specify other fungicide: (3) _____

Q193 Insecticides at work during these years (age 66 and above):

Q194 Did you mix, apply or get exposed to insecticides (pesticides used to kill insects) during these years (age 66 and above)? (Aldrin products, chlorpyrifox or terbufos, DDT, Dieldrin products, Lindane products, Oil, Parathion products, Permethrin or other pyrethroid products, Rotenone products or other insecticides)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q194 = 1

Q195 Which types of insecticides you mix, apply or get exposed to during these years (age 66 and above)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Aldrin products (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Chlorpyrifos or Terbufos (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DDT (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dieldrin products (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lindane products (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Oil (6)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parathion products (7)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Permethrin or other pyrethroid products (8)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rotenone products (9)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (10)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used insecticide, don't know name (11)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q195 = 10 [1]

Q196 Please specify other insecticides used during these years (age 66 and above)

☐ Specify other insecticide: (1)

☐ Specify other insecticide: (2)

☐ Specify other insecticide: (3)

Q197 Rodenticides at work during these years (age 66 and above):

Q198 Did you mix, apply or get exposed to rodenticides (pesticides used to kill rats or mice) during these years (age 66 and above)?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q198 = 1



Q199 Which types of rodenticide you mix, apply or get exposed to during these years (age 66 and above)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Other (specify below) (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used rodenticide, don't know name (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q199 = 1 [1]

Q200 **Specify any rodenticides you used during these years** (age 66 and above)

☐ Specify other rodenticide: (1)

☐ Specify other rodenticide: (2)

☐ Specify other rodenticide: (3)

Q201 Fumigants at work during these years (age 66 and above):

Q202 Did you mix, apply or get exposed to fumigants (gas used to kill insects, fungus or plants) during these years (age 66 and above)? (Such as Methyl bromide or other fumigants)

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

Display This Question:

If Q202 = 1



Q203 Which types of fumigants you mix, apply or get exposed to during these years (age 66 and above)? Please click Yes, No or Don't Know for every product.

	Yes (1)	No (2)	Don't Know (3)
Methyl bromide (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other (specify below) (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Used fumigant, don't know name (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Display This Question:

If Q203 = 2 [1]

Q204 **Specify any fumigants you used during these years** (age 66 and above)

- ☐ Specify other fumigant: (1) _____
- ☐ Specify other fumigant: (2) _____
- ☐ Specify other fumigant: (3) _____

Q205 Other pesticides at work during these years (age 66 and above):

Q206 Did you mix, apply or get exposed to any other pesticides that were not previously mentioned during these years (age 66 and above)?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)

Display This Question:

If Q206 = 1

Q207 Specify any other pesticides you used during these years (age 66 and above)

☐ Specify other pesticide: (1) _____

☐ Specify other pesticide: (2) _____

☐ Specify other pesticide: (3) _____

End of Block: 66 and above

Start of Block: Section G

Q42 SECTION G: ADDITIONAL PESTICIDE INFORMATION

Q43

Were you ever exposed to unusually high amounts of pesticides at work, for example from a spill, when either you or someone else was using pesticides?

☐ Yes (1)

☐ No (2)

☐ Don't Know (3)

☐ Prefer Not to Answer (4)

Skip To: Q46 If Q43 = 2

Skip To: Q46 If Q43 = 3

Skip To: Q46 If Q43 = 4

Q44 Explain:



Q45 When did this occur:

- ☐ Year (1) _____
 - ☐ Don't Know (2)
 - ☐ Prefer Not to Answer (3)
-

Q46

If you got concentrated pesticide on your skin, did you usually stop what you were doing and wash it off?

- ☐ Yes (1)
 - ☐ No (2)
 - ☐ Don't Know (3)
 - ☐ Never got concentrated pesticide on my skin (4)
 - ☐ Prefer Not to Answer (5)
-

Q47

If you personally mixed or applied pesticides, did you wear gloves more than half the time?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Never mix/apply (4)
- ☐ Prefer Not to Answer (5)

Skip To: Q49 If Q47 = 2

Skip To: Q49 If Q47 = 3

Skip To: Q51 If Q47 = 4

Q48 When you wore gloves, what type of gloves did you wear most of the time? *Mark only 1*

- ☐ Chemical resistant gloves (1)
 - ☐ Fabric or leather gloves (2)
 - ☐ Rubber, plastic, or latex gloves (3)
 - ☐ Other, specify (4) _____
 - ☐ Don't Know (5)
 - ☐ Prefer Not to Answer (6)
-

Q49

If you personally mixed or applied pesticides, did you use any other type of protective equipment more than half the time?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Never mix/apply (4)
- ☐ Prefer Not to Answer (5)

Skip To: Q51 If Q49 = 2

Skip To: Q51 If Q49 = 3

Skip To: Q51 If Q49 = 4

Skip To: Q51 If Q49 = 5

Q50

When you used any other type of protective equipment, what type of protective equipment did you usually use? *Check all that apply*

- ☐ Chemical resistant boots or shoes (1)
 - ☐ Chemical resistant apron (2)
 - ☐ Disposable coveralls (3)
 - ☐ Cartridge respirator, gas mask (4)
 - ☐ Goggles (5)
 - ☐ Other, specify (6) _____
 - ☐ Don't Know (7)
 - ☐ Prefer Not to Answer (8)
-

Q51 Did you ever feel sick after exposure to pesticides at work?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Never Exposed (3)
- ☐ Don't Know (4)
- ☐ Prefer Not to Answer (5)

Skip To: End of Survey If Q51 = 2

Skip To: End of Survey If Q51 = 3

Skip To: End of Survey If Q51 = 4

Skip To: End of Survey If Q51 = 5

Q52 Did you seek medical care for these symptoms?

- ☐ Yes (1)
- ☐ No (2)
- ☐ Don't Know (3)
- ☐ Prefer Not to Answer (4)

End of Block: Section G
