

Section D – Pesticide Applications



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Northwest Region



Pesticide Applications

- Include:
 - Herbicides
 - Insecticides
 - Fungicides
 - Defoliant
 - Other Pesticides
- Exclude
 - Fertilizer Applications
 - Seed Treatments
 - Adjuvants/Surfactants
 - Applications to fence rows, ponds, canals, and ditches



Pesticide Applications

Time Frame: From the harvest of the last harvested crop until the harvest of the current crop.



United States Department of Agriculture
National Agricultural Statistics Service



Pesticide Applications

D **BIOCONTROL or PESTICIDE APPLICATIONS - SELECTED FIELD** **D**

Now I have some questions about all the biocontrols or pesticides used on the selected field for the 20xx target crop, including both custom applications and applications made by this operation.

1. Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this target crop field for the 20xx crop?.....

Yes=1
No=3

Code	Office Use Edit Table
0302	0300

[Probe for applications made in the fall of ^{Previous}Year and those made earlier if the selected field was fallow.]

If no biocontrols or pesticides applied, go to Section E.



Pesticide Applications Table

- Obtain the trade name and formulation
- Respondent Booklet
 - Formulation (Liquid or Dry)
 - Type or Class of each product

Chemical Product Name	L I N E	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 OR 7 How much was applied per acre per application? What was the total amount applied per application in the selected field?	8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams	
	01	61	62	63	64	65 .__	73 .__	74
	02	61	62	63	64	65 .__	73 .__	74



Pesticide Applications Table

- Verify Product with EPA Number

L	H	41725	GF-3335	62719-695	L	H	41306	LEXAR EZ HERBICIDE	100-1414
L	H	41198	GLY STAR GRASS AND WEED KILLER CONCENTRATE	42750-67	L	H	41052	LEXAR HERBICIDE	100-1201
L	H	41508	GLY-4 PLUS HERBICIDE	84009-12	L	H	41575	LIBERTY 2,4-D ESTER 6	89168-5
L	H	41067	GLYPHO 648	34704-929	L	H	41817	LIBERTY 280 SL HERBICIDE	7969-448
L	H	40910	GLYPHOMAX	62719-323	L	F	71065	LIBERTY AZOXY-TET	89168-52
L	H	40950	GLYPHOSATE	34704-866	L	I	11399	LIBERTY BIFENTHRIN 2 EC	89168-19
L	H	40977	GLYPHOSATE 4 HERBICIDE	51036-312	L	H	41356	LIBERTY CLETHODIM 2EC	89168-11
L	H	41180	GLYPHOSATE 4 PLUS	81927-9	L	H	41366	LIBERTY GLYPHOSATE PLUS	89168-17
L	H	41023	GLYPHOSATE 41%	42750-60	L	H	41814	LIBERTY HERBICIDE	7969-447
L	H	41420	GLYPHOSATE 41% HERBICIDE	87659-3	L	H	41762	LIBERTY MESOTRIONE 4SC	89168-54
L	H	41053	GLYPHOSATE 41% PLUS	42750-61	D	H	41484	LIBERTY METRIBUZIN 75DF	89168-30
L	H	41011	GLYPHOSATE 53.8%	42750-59	L	H	41479	LIFELINE HERBICIDE	70506-310



Pesticide Applications Table

- Product Code
 - Found in the Respondent Booklet
 - Record each product on a separate line

Chemical Product Name	LINE	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 OR 7 How much was applied per acre per application? What was the total amount applied per application in the selected field?	8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
	01	61	62	63	64	65 _____ 73 _____	74
	02	61	62	63	64	65 _____ 73 _____	74



Pesticide Applications Table

- Product Form
 - Liquid or Dry
 - Key word “BOUGHT”

Chemical Product Name	L I N E	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 How much was applied per acre per application?	OR	7 What was the total amount applied per application in the selected field?	8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
	01	61	62	63	64	65	.	73	74
	02	61	62	63	64	65	.	73	74



Pesticide Applications Table

- Tank Mix
 - Two products applied in a single application
 - Enter different products on a separate line.
 - Enter the line number of the first product in the mix for all products in the mix

Chemical Product Name	L I N E	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 OR 7 How much was applied per acre per application? What was the total amount applied per application in the selected field?	8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
	01	61	62	63	64	65 .____ 73 .____	74
	02	61	62	63	64	65 .____ 73 .____	74



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Product A	01	61 40745	62 L	63 1	64 1	65 1.00 73 .__	74 14
	02	61	62	63	64	65 .__ 73 .__	74



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Chemical Product Name	L I N E	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 OR 7 How much was applied per acre per application? What was the total amount applied per application in the selected field?	8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
Product A	01	⁶¹ 40745	⁶² L	⁶³ 1	⁶⁴ 1	⁶⁵ 1.00 ⁷³ .__	⁷⁴ 14
Product B	02	⁶¹ 41061	⁶² L	⁶³ 1	⁶⁴ 1	⁶⁵ 1.50 ⁷³ .__	⁷⁴ 14



Pesticide Applications Table

- When Applied

Chemical Product Name	L I N E	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 OR 7 How much was applied per acre per application? What was the total amount applied per application in the selected field?	8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
Product A	01	⁶¹ 40745	⁶² L	⁶³ 1	⁶⁴ 1	⁶⁵ 1.00 ⁷³ .__	⁷⁴ 14
Product B	02	⁶¹ 41061	⁶² L	⁶³ 1	⁶⁴ 1	⁶⁵ 1.50 ⁷³ .__	⁷⁴ 14



Pesticide Applications Table

- Application Rate
 - Total amount OR amount per acre

Chemical Product Name	LINE	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 OR 7		8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
						6 How much was applied per acre per application?	7 What was the total amount applied per application in the selected field?	
Product A	01	61 40745	62 L	63 1	64 1	65 1.00	73 .	74 14
Product B	02	61 41061	62 L	63 1	64 1	65 1.50	73 .	74 14



Pesticide Applications Table

- Unit Code
 - Must match the product form

Chemical Product Name	L I N E	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 OR 7 How much was applied per acre per application? What was the total amount applied per application in the selected field?	8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
Product A	01	⁶¹ 40745	⁶² L	⁶³ 1	⁶⁴ 1	⁶⁵ 1.00 ⁷³ .__	⁷⁴ 14
Product B	02	⁶¹ 41061	⁶² L	⁶³ 1	⁶⁴ 1	⁶⁵ 1.50 ⁷³ .__	⁷⁴ 14



Pesticide Applications Table

- How Applied

Interviewer Manual gives a in-depth description of application methods.

APPLICATIONS CODES for column 9	
1 Broadcast, ground without incorporation	6 Chisel/injected or knifed in
2 Broadcast, ground with incorporation	7 Banded in or over row
3 Broadcast, by aircraft	8 Foliar or directed spray
4 In seed furrow	9 Spot treatments
5 In irrigation water	

	9	10	11	12
L I N E	How was this product applied? [Enter code from above.]	How many acres in the selected field were treated with this product? ACRES	How many times was it applied? NUMBER	Were these applications made by--- 1 Operator, partner or family member? 2 Custom applicator? 3 Employee/Other?
Product A 01	76 1	77 20.0	79 1	80 1
Product B 02	76 1	77 20.0	79 1	80 1



Pesticide Applications Table

- Acres Treated

	9	10	11	12
L I N E	How was this product applied? [Enter code from above.]	How many acres in the selected field were treated with this product? ACRES	How many times was it applied? NUMBER	Were these applications made by--- 1 Operator, partner or family member? 2 Custom applicator? 3 Employee/Other?
	Product A 01	76 1	77 20.0	79 1
Product B 02	76 1	77 20.0	79 1	80 1



Pesticide Applications Table

- Number of Applications
 - If everything else is the same (rate, who/when/how applied, etc)

	9		10		11		12	
L I N E	How was this product applied? <small>[Enter code from above.]</small>		How many acres in the selected field were treated with this product? ACRES		How many times was it applied? NUMBER		Were these applications made by--- 1 Operator, partner or family member? 2 Custom applicator? 3 Employee/Other?	
Product A 01	76	1	77	20.0	79	1	80	1
Product B 02	76	1	77	20.0	79	1	80	1



Pesticide Applications Table

- Who made applications

	9		10		11		12	
L I N E	How was this product applied? <i>[Enter code from above.]</i>		How many acres in the selected field were treated with this product? ACRES		How many times was it applied? NUMBER		Were these applications made by--- 1 Operator, partner or family member? 2 Custom applicator? 3 Employee/Other?	
	Product A 01	⁷⁶ 1		⁷⁷ 20	<u>0</u>	⁷⁹ 1		⁸⁰ 1
Product B 02	⁷⁶ 1		⁷⁷ 20	<u>0</u>	⁷⁹ 1		⁸⁰ 1	



Pesticide Applications Table

Chemical Product Name	LINE	2	3	4	5	6	OR	7	8
		What products were applied to the selected field? [Show product codes from Respondent Booklet.]	Was this product bought in liquid or dry form? [Enter L or D]	If this was part of a tank mix, enter line number of first product in mix.	When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	How much was applied per acre per application?	What was the total amount applied per application in the selected field?	[Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams	
<i>Roundup Ultra</i>	01	61 41159	62 L	63 —	64 4	65 4.00	73 .___	74 15	
<i>Banvel+Atrazine</i>	02	61 41061	62 L	63 2	64 4	65 6.00	73 .___	74 15	
<i>Clarity</i>	03	61 40570	62 L	63 2	64 4	65 2.00	73 .___	74 15	
<i>Aztec 2.1</i>	04	61 11310	62 D	63 —	64 5	65 2.00	73 .___	74 28	



Pesticide Applications Table

APPLICATIONS CODES for column 9	
1 Broadcast, ground without incorporation	6 Chisel/injected or knifed in
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5 In irrigation water	

L I N E	9	10	11	12
	How was this product applied? [Enter code from above.]	How many acres in the selected field were treated with this product? ACRES	How many times was it applied? NUMBER	Were these applications made by--- 1 Operator, partner or family member? 2 Custom applicator? 3 Employee/Other?
01	76 3	77 50.0	79 1	80 2
02	76 8	77 50.0	79 1	80 1
03	76 8	77 50.0	79 1	80 1
04	76 1	77 50.0	79 1	80 1



Pesticide Applications Table

EXAMPLE

2. For biocontrols or pesticides not listed in Respondent Booklet, specify--

Line	Pesticide Type (Herbicide, Insecticide, Fungicide, etc.)	EPA No. or Trade Name and Formulation	Form Purchased (Liquid or Dry)	Where Purchased (Ask only if EPA No. cannot be reported)
06	<i>Insecticide</i>	<i>Danitol 2.4EC, EPA #39398-17</i>	<i>Liquid</i>	<i>Midland Chem Supply</i>

Some formulations (2, 3)	
A	Aerosol
B	Bait
D	Dust
DF	Dry flowable
E, EC	Emulsifiable concentrate
FL	Flowable
G	Granule
M	Microencapsulated
P	Pellet
RTU	Ready-to-use
SP	Soluble powder
ULV	Ultralow-volume concentrate
WP	Wettable powder
WDG	Water-dispersible granule



Things to help...

- Supplements
- Use of farm records
- Respondent Booklet



Section D – Helpful Hints

- Restricted Use Pesticides (RUP's) - record keeping requirements for RUP's can help the respondent report pesticide applications.
- Please circle the pesticides that the farmer used on the specified field in a Respondent Booklet.
- Leave any marked up respondent booklets inside the questionnaire – no PII!
- **IMPORTANT:** We want to collect all pesticide applications through harvest.



Section D – Helpful Hints

- Do not record the spray volume applied to the field.
- Do not record the inclusion of adjuvants, etc.
- Do not record liquid fertilizer solutions applied in conjunction with a pesticide. Put this information in the fertilizer table.
- Use the conversion table in the respondent booklet, if necessary, if other units are offered.
 - (2 tablespoons = 1 ounce dry)
- Unit code and formulation code must be consistent.



Thanks for Watching!!



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