AGRICULTURAL RESOURCE MANAGEMENT SURVEY

OMB No. 0535-0218 Approval Expires: 11/30/2023 Project Code: 906 SurveyID: 1312 Phase 2



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SUBTRACT

TRACT

CORN PRODUCTION PRACTICES AND COSTS REPORT FOR 2021

ID

VERSION

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	•			CONTAC	T RECORD					
DATE	TIME				Ν	IOTES				
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data needed, ar	nd completing an	d reviewing the col	llection of in	formation.						
	H H NG TIME 0004 LITARY]	H M M						SCREENI 0006	NG BOX	
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			Total Planted Acres
1. How many acros of corn did this energies als	int for the 2021 area weer?		0050
 How many acres of corn did this operation pla 			•
[If no acres planted, review Screening Information	Form, make notes, then go to	o back page.]	Code
a. Did you produce any acres of certified org	anic corn?	Yes=1 No=3	1064
b. Of the total (item 1) acres, how many were	e planted using/as		
		Total Acres	Number of Fields
i. Conventional corn?		0583	1065
ii. Certified organic corn?		0730	1066
[I will follow a simple procedure to make a random	n selection from the corn fields	s planted for the 2021	Total Number of Fields Planted
2. What is the total number of corn fields that we	re planted on this operation?.		
[If only one field enter "1" and go to item 4.]			
 [Now, I need to identify a corn field to be used 	for this survey.] The corn fiel	d pre-selected for this	interview is the:
1 Northern most field			
₂ Southern most field	Field description:		
3 Eastern most field	'		
4 Western most field			
₅ Northeastern most field			
₆ Southeastern most field			
7 Northwestern most field			
8 Southwestern most field			

APPLY "RANDOM NUMBER" LABEL HERE	
4. The field selected is (field name/number/description During this interview, the corn questions will be about this selected [Be sure the operator can identify the selected field.]	otion). corn field.
5. For the randomly selected field above, please provide the following	Farm Service Agency (FSA) identifiers:
[Having this information helps USDA make better use of other data you and will improve the types of statistical analysis that can be done with t survey. If the physical field in this survey spans multiple FSA administrative field number for the largest administrative field. The identifiers that USDA uses to administer farm programs like crop insuration and conservation programs.]	he responses from this ative fields, please include ese numbers are field
, ,	1070
a. Farm Number (up to 8 digits)	
b. Tract Number (up to 7 digits)	1071
(1 3 /	1072
c. Field Number (up to 4 digits, exclude subfield letters)	
	OFFICE USE OY Field Substituted
	0022

В

					Acres
1.	How many acres of corn did this	operation plant in the selected field for the 2021	crop?	1301	 !
					Code
	a Are the acres in the selected	field Certified Organic?	Yes= No=		
	a. The the delection in the colocica	The Columbia Cryanic Colors			Code
			Yes=		
		oning into organic corn production in 2021?	No=	3	
[If i	item 1a or 1b = 1, then ask]				lars & Cents
	c. What was the cost, per acre,	for third party organic certification?		1891	•
		1 owned by this operation?			Code
2.	Were the acres in the selected	2 rented for cash with the payment being a fixed cas3 rented for cash with the payment being a flexible of		1302	Oode
	field	4 rented for a share of the crop?5 rented for some combination of cash and share of	the crop?		
		6 used rent free?			
[If t	field is cash rented (item 2 = 2, 3,	or 5), ask item 3, otherwise go to item 4.]			lars & Cents
	·			1303	per Acre
3.	What was the cash rent paid per	acre for the selected 2021 corn field?			•
FIF 4	field is chare rented (item 2 = 4 er	5) ank 1			Danasat
ניין	field is share rented (item 2 = 4 or	J), dSKj		1304	Percent
4.	What was the landlord's share of	the crop from the selected field?			
[If t	field is rented (item 2 = 2, 3, 4, 5, c	or 6) ask]			
5.	What was the total cost for all inp	uts provided by any landlord for the 2021 crop	Dollars & Cents		
		the costs for all inputs, such as seed, fertilizer, stom operations, drying, and irrigation.	per Acre	. ——	tal Dollars
		es and lime costs paid by the landowner	1305	1306	
6.	What was the total sect for all iss	uts provided by any contractor for the 2021	Dollars & Cents		
0.	crop on the selected field? INCL	JDE the costs for all inputs, such as seed,	per Acre		tal Dollars
		vices, custom operations, drying, and	1309	1310	
	-				Year
				1312	
7.	In what year did you (the operato	r listed on the label) start operating the selected	field?	.	

							M M D D
						-	1308
8.	On what date was the selected field planted?						2021
				Units	s per Acre	L ;	Unit Code 1 Pounds 2 CWT 3 Tons 4 Bushels
				0216		()217
	a. What was your yield goal at planting for the selected	field?			•		
		1 Grain					Code
9.	Was the corn on the selected field planted with the intention of being harvested as	2 Silage 4 Seed 25 Other					3327
				Ur	it Code		
10.	What was the source and cost of INCLUDE • operator, landlord, and contractor costs	,	Dollars & Cent	1 Pour 2 CWT 4 Bush 22 Acre	- nel	10	Developt of Cond
	 cost of seed treatment and technology fee 	Į.	per Unit	- 11	ox. 60,00 el Bag	iU	Percent of Seed Planted
	a. GMO/GE purchased seed?		214 ·	1215		,	1216
	b. Non-GMO/GE purchased seed?		217 · <u> </u>	1218		,	1219
	c. Homegrown seed?						1318
							100%
	[If item 10c is greater than zero, continue. Otherwise	go to item 11.]			_	Cents per Pound
	i. What was the cost for cleaning and treating this s	eed?					3321
			_	Units	3	2 (4 E 25 F	Unit Code Pounds/Acre CWT/Acre Bushels/Acre Kernels-Seeds/Acre Kernels-Seeds/Foot
				1313		1314	
11.	What was the seeding rate per acre the first time the sele	cted field was	s planted?.		•		
							Inches
12.	What was the average corn row width for the selected fie	ld?				1322	
							Code
13.	Did the selected field have skip-row corn?				Yes=1 No=3	1323	
[If i	tem 13 = 1, continue. Otherwise go to item 14.]		Rows	of Corn	BY		Rows of Skip
	a. What was the common skip pattern?		1324			1325	
							Inches
						1326	
	b. What was the average width of the skip?						

				Acres
				1315
4. How many acres in this field ha	nd to be replanted to corn?			
(Acres replanted = Number of acres x				
	1 Treated with a pesticide	prior to purchase?	,	Code
5. For the 2021 corn crop, was th seed	e corn 2 Treated with a pesticide a	after purchase?		3062
f item 15 = 1 or 2, continue. Other	wise go to item 16.]			
		Seed 1	Treatment Name	
What was the name of the [Write seed treatment name provided.]	e in the box			
b. What was the seed treatme	ent code? [Enter the appropriate see	ed treatment cod	de from the	Code
	r "999" if a seed treatment was appl nown.]			2325
				Code
			Yes=	2340
6. For the 2021 corn crop, did you	ı plant a commercial seed product c	n the selected f		
If item 16 = 1, continue. Otherwise	go to item 17.]			
		Commercia	l Seed Product Name	
What was the name of the [Write seed product name i provided.]	n the box			
h What was the seed product	t code? [Enter the appropriate prod	uct code from th	ne Pesnondent	Code
Booklet (page 5). Enter "99	99" if a seed product was purchased	but is not listed	d. Enter "-1" if the	2343
			2021	Last Time Corn was Planted
			Yes=1 No=3	Yes=1 No=3 N/A=4
	ied organism/genetically engineered		2300	2301
55 and note 15: 2521 of the	som nas plantea minimi		`L	

[If item 17 = 1 for either year, continue. Otherwise, go to item 19.]

18.		the corn planted on the selected field have any of the following	2021 Yes=		Last Time Corn Was Planted Yes=1	5
		netically modified organism/genetically engineered (GMO/GE) traits in 21 or the last time corn was planted?	No=3	3	No=3 N/A=4	
	a.	Insect Resistance (Bt) to Corn Borer	2501		2502	
		i. With multiple (pyramided) modes of action	2503		2504	
	b.	Insect Resistance (Bt) to Rootworm	0362		0363	
		i. With multiple (pyramided) modes of action	2507		2508	
	C.	Insect Resistance (Bt) to Earworm	2509		2510	
	d.	Insect Resistance (Bt) to Armyworm	2511		2512	
	e.	Other Insect Resistance (Bt) Trait	2513		2514	
	f.	Herbicide Tolerance (HT) to Glyphosate (e.g. Roundup Ready®)	2306		2307	
	g.	Herbicide Tolerance (HT) to 2,4-D (e.g. Enlist®)	2308		2309	
	h.	Herbicide Tolerance (HT) to Dicamba (e.g. Extend®)	2310		2311	
	i.	Herbicide Tolerance (HT) to Glufosinate (e.g. Liberty Link®)	2312		2313	
	j.	Other Herbicide Tolerant (HT) Trait	2314		2315	
	k.	Drought Tolerant	2515		2516	
	I.	Enzyme technology for ethanol (e.g. Enogen)	2701		2702	
		Any genetically modified organism/genetically engineered HT trait other ba Tolerance, or Glufosinate Tolerance should be accounted for using t	than Glyphos		ance, 2,4-D Tolerance	e,
Dic	allli	ba Tolerance, or Giulosinale Tolerance should be accounted for using t			Last Time Corn was	
			2021 Yes= No=3	1	Planted Yes=1 No=3 N/A=4	
19.	G۱	I you plant non-genetically modified/genetically engineered (non-IO/GE) seeds for the 2021 crop year or the last time corn was nted?	2316	<u>'</u>	2317	
[lf i	tem	19 = 1 for either year, continue. Otherwise, go to item 22.]	2021 Yes=		Last Time Corn was Planted Yes=1 No=3	i
			No=3		N/A=4	
20.	tole	I the corn planted on the selected field have non-GMO/GE herbicide erant (HT) traits in the 2021 crop year or the last time corn was nted?	2318		2319	
21.		s the corn from the selected field sold (or will be sold) through a rket specifically for non-GMO/GE corn?	2518		2519	
			Dollars & Cents	per Bushel	I	
	a.	In 2021, what was the price premium (or the expected premium if not yet sold) received for this non-genetically modified corn?	2384	·		

			Code
22. Wa	as the corn planted on the selected field drought tolerant?	Yes=1 No=3	2703
[If item	n 22 = 1, continue. Otherwise, go to item 24.]		Code
a.	Were these GMO/GE drought-tolerant seeds (e.g. Genuity® DroughtGard®)?	Yes=1 No=3	2704
b.	Were these non-GMO/GE drought-tolerant seeds (e.g. Optimum® AQUAmax®, Agrisure Artesian®)?	Yes=1 No=3	2705
C.	Since the time that drought-tolerant corn became available in your area, have you only planted drought-tolerant corn varieties?	Yes=1 No=3	2706
[Next \	we will ask about factors that influenced your decision to plant drought tolerant seeds on the s	elected	field.]
23. In 1	the selected field, was the decision to plant drought tolerant corn based on any of the following	g?	Code
a.	Ability to bundle drought tolerant seed traits with one or more GMO/GE traits, such as insect resistance or herbicide tolerance?	Yes=1 No=3	2707
b.	Price of drought tolerant seed compared to seeds without drought tolerance?	Yes=1 No=3	2708
C.	Price of irrigation water and/or irrigation water applications?	Yes=1 No=3	2709
d.	Low soil moisture from frequent droughts?	Yes=1 No=3	2710
e.	Field conditions, other than soil moisture or seasonal forecasts, at planting time?	Yes=1 No=3	2711
f.	Drought in the prior crop year that at least partially damaged the crop?	Yes=1 No=3	2712
g.	Concerns about changing growing conditions?	Yes=1 No=3	2713
	d you use a genetically engineered, insect resistant seed variety for the 2021 crop?	Yes=1 No=3	Code 2326
a.	Did you choose the resistant seed variety used on the selected field primarily to		
	1 Increase yields through improved pest (weed or insect) control? 2 Decrease pesticide input costs? 3 Save management time or labor or improve ease of management? 4 Reduce refuge requirements? 5 For some other reason(s)? Specify		Code 2327
b.	Was this a refuge-in-the-bag product?	Yes=1 No=3	Code 2714 Percent 2715
C.	What percentage of the bag was conventional seed?		2113

Code

	as a refuge for insect pests planted for the selected field? Refuge eld or a separated block within 1/2 mile of the field			2328		
[If iter	n 25 = 1, continue. Otherwise, go to item 29.]			Percent		
	hat percent of the selected field was used as refuge for insect pessect resistance management guidelines?			2716		
				Acres		
27. W	hat is the size in acres of the refuge?			2717		
			Units per Acre	Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels		
28. W	hat was the difference in yield between the Bt crop and the non-B	t refuge crop?	1810	1811		
29. Di	d you use an "air-delivery" or "vacuum (pneumatic) planter"?		Yes=1 No=3	2323		
	n 29 = 1, ask]			Code		
•	, •		Yes=1	2324		
a.	Did you use a talc and/or graphite seed flow lubricant?		No=3			
b.	Did you use an alternative seed flow lubricant (e.g. Bayer Fluen and/or graphite?	• • •	100 1	2394		
				Code		
30. H	as harvest of the selected field been completed?		Yes=1 No=3	1328		
	ease report the following information about the acres harvested (celd.	or to be harvested)	and the yields fro	om the selected		
How r	many acres in this corn field were (or will be)	Acres	1 What yield per acre did you (or do you expect to) get for corn Units per Acre	2 Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels		
	harvested for grain first gran?	1346	1347	1348		
a. b.		1349	1350	Tons		
۵.	narvesteu ier enage er green enep i miniminiminiminiminiminiminiminiminim	1431	1432	1433		
C.	harvested for seed?	·—	1402	1400		
d.	abandoned?	1351				
e.	used for some other purpose?	1439				
32 \\	ere the stalks/stover harvested from the selected field?			Code		
JZ. VV	ore the stantoratore harvested from the selected field:			1754		
	1 Yes - [Enter code 1 and go to item 33.] 3 No - [Asl	k 32a, then go to it	tem 34.]			

	a.	[If the corn stalks/stover were not harvested, ask]	
		What was the primary reason for not harvesting the corn stalks/stover? 1 No market/use for corn stalks/stover 2 Harvesting was not profitable 3 The corn stalks/stover were left as organic matter for the soil 4 The stalks/stover were left for livestock grazing 5 Other, specify	Code 1398
			Acres
33	Нο	w many acres of corn stalks/stover were harvested from this corn field?	1755
00.	. 1 10	w many dores of com stations tover were harvested from this com held:	·—
			Total Tons
	a.	How many tons of corn stalks/stover were harvested from these corn acres (item 33)?	1756
		•	
		Tons per Acre X Acres = Total Tons OR Bales X Lbs per Bale ÷ 2000 = Total Tons Total Tons	
			Code
			1023
34	. Dic	d any livestock graze this corn field after harvest of the 2021 corn crop?	
		Veg. [Enter Code 4 and continue] No. [Co to item 20]	
		Yes - [Enter Code 1 and continue] 3 No - [Go to item 38]	
		1 Cattle	Code
35		nat type of livestock grazed this corn field 2 Sheep 3 Other appoint	1024
	afte	er harvest of the 2021 corn crop?	
			Head
	2	About how many head of livestock (item 35) grazed this corn field?	1027
	a.	About now many nead of livestock (item 55) grazed this confined:	Dava
			Days 1028
	b.	How many days did this livestock graze on this corn field?	.020
			Code
36	. Wa	as any of the residue from the prior crop (corn stover, wheat straw, cover crop, etc.) removed Yes=1	1373
	pos	st-harvest?	
[lf	yes,	ask]	Tons
			1376
	a.	How many tons per acre of residue were removed through harvest?	
			Code
37		d any livestock graze this field following planting of the previous crop? INCLUDE post-harvest azing of residue from the prior crop or grazing between planting and harvest of the cover	2718
		p/previous crop during the Fall/Winter of 2020/2021	
[lf ·	ves	ask]	Head
L'''	, 00,	aon 1	1362
	a.	About how many head of livestock grazed the field?)
			Days
			1363
	b.	How many days did livestock graze on the field?	

Crop Code List for item 38 - Previously Planted Crops								
	Crop Gode List for Rolli Go T Teviously Flamed Grops							
190 Barley	311 Grasses, including clover	22 Rye	318 No crop planted					
6 Corn for grain	1 Hay, alfalfa	240 Sorghum, all	291 Other field crop					
5 Corn for silage	11 Hay, all other	26 Soybeans	292 Other crop					
283 Cotton (all)	15 Oats	263 Wheat, durum or spring	312 Cover crop mix					
302 CRP	21 Rice	165 Wheat, winter	34 Ryegrass					

38. Please report what crops were previously planted on the majority of the selected field, including cover crops.

	1		2	3	4	5
What crops were plante [For perennial crops, (1, 11, 292, 302, a when the cro	What type of crop was grown on the selected field?	Was this a cover crop?	If a cover crop was planted, how did you terminate this cover crop?	Was this field no-tilled or strip-tilled? ^{1/}		
			1 GMO/GE Herbicide Tolerant (HT) 2 GMO/GE Insect		1 Tilled-in 2 Herbicide 3 Rolled	
			Resistant (Bt) 3 Stacked (HT and Bt) 4 Not GMO/GE		4 Grazed 5 Harvested for forage 6 Harvested for grain	
				Yes=1	7 Winter killed	Yes=1
Season and Year	Crop Name	Crop Code	Code	No=3	Code	No=3
a. Spring/Summer of 2021?.	Corn		1486			1344
b. Fall of 2020?		1343	1487	1470	1471	1345
c. Spring/Summer of 2020?.		1369	1488	1472	1473	1371
d. Fall of 2019?		1372	1489	1474	1475	1374
e. Spring/Summer of 2019?.		1375	1490	1476	1477	1377
f. Fall of 2018?		1378	1491	1478	1479	1380
g. Spring/Summer of 2018?.		1381	1492	1480	1481	1383
h. Fall of 2017?		1366	1493	1482	1483	1368
i. Spring/Summer of 2017?.		1340	1494	1484	1485	1342

^{1/}No-till means leaving soil and previous crop residue undisturbed from harvest to planting. Strip-till means tilling a narrow strip over the row, leaving soil and previous crop residue between the rows undisturbed.

[If a cover crop was planted in Spring/Summer/Fall 2020, ask--]

Dollars & Cents per Acre

j.	What was the seed cost per acre for the cover crop?	1468	•
		1495	
k.	What was the per-acre cost-share or financial assistance payments received for the cover crop?		

[Enter zero if no program payment was received.]

39. Has any part of the selected field been classified as "Highly Erodible Land"?

Cropland identified as highly erodible is subject to highly erodible land conservation (HELC) requirements. Producers who receive farm program payments are required to have and apply a written soil conservation plan. A "written plan" is a plan prepared in accordance with Federal, State, or district standards.....

		Code	
	1404		
Yes=1			
Yes=1 No=3			

				Code
40.	Do you have a written conservation plan that specifies pra	ctices to control soil erosion?	Yes=1 No=3	0702
41.	Does the selected field contain a wetland? Wetlands are sor "swampbuster" requirements. Producers who receive from draining wetlands to make them ready for crop produ	arm program payments must refrain	Yes=1	1405
42.	What is the slope of the selected field?	derate grade (3 - 9%) moderate grade ep grade (over 10%)		Code 2400
43.	What is the primary soil type of the selected field?	1 Loam 2 Clay 3 Sandy 4 Mixed 5 Silty		Code 2401

[Next we will ask about soil and water concerns that you have on the selected field.]

1	2		3	
44. In the selected field, are any of the following currently or historically a concern?	 Currently a concern A concern in the past but not anymore Not a concern 	Have you received technical assistance from any of the follows sources to evaluate this resource concern? Report up to 2 sources that you received assistance from: 1 USDA - NRCS 2 Cooperative Extension Service 3 Other USDA staff, including Forest Service 4 Other (e.g. Soil and Water Conservation District, state agency)		
	Code	Source 1	Source 2	
a. Water-driven erosion	2407	2417	2427	
b. Wind-driven erosion	2408	2418	2428	
c. Soil compaction	2409	2419	2429	
d. Poor drainage	2410	2420	2430	
e. Low organic matter	2411	2421	2431	
f. Water quality	2412	2422	2432	
g. Other concerns	2413	2423	2433	
h. If the answer to all of the above was "Not a Concern", is it the case that there are no significant concerns on this Yes=1 field?	2414			

					Code		
15.	Did	I the land use practices for the selected field inclu	de subsurface drainage?	Yes=1 No=3	2402		
		1, continue. Otherwise go to item 46.]	-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Year		
	+5 -	1, continue. Otherwise go to item 40.]			2403		
	a.	In what year was the current subsurface (tile) dra	ainage installed?				
					Inches		
					2604		
	b.	What is the average width (space between tiles)	of your drainage system?				
					2605		
	C.	What is the average or most common diameter of	of your tiles?				
					Code		
	d.	Does this system include a mechanism for control float mechanisms)?					
				Yes=1	2719		
	e.	Does this drainage system have surface inlets?					
			1 an open, single stage ditch		Code		
			2 a natural waterbody		2720		
	f.	Where does this system empty?	3 a saturated buffer4 a retention pond				
			5 another type of receiving system				
					Hours		
ŀ6.		average, how many hours does it take your field avy rain?		vels following a	2606		
					Unit Code		
ŀ7.	Has	s the selected field ever been in any conservation	n contracts for which you or your la	ndlord received	1 Current 2 Past		
		expected to receive) cost-sharing payments, stev			3 Never		
					2611		
	a.	Environmental Quality Incentive Program (EQIP))				
	b.	Conservation Security or Conservation Stewards	ship Programs (CSP)				
					2613		
	C.	Conservation Reserve Program (CRP)					
					2614		
	d	Other Federal State Local or non-government s	source				

- 48. [Now I need information on soil, crop, and land management practices or activities used on the selected field and any financial assistance you may have received in conjunction with those practices.]
 - a. From this list, please check any practices or activities that you used on the selected field this year or at any time in the past.

On-field Soil and Crop Management	₁₀ Terraces	Implement an integrated pest management plan - written plan
1 No-till/strip-till	₁₂ Grass waterway	31 Drift reducing spray nozzles
Conservation tillage except no-till/strip-till	Implement a nutrient management plan - written plan.	Targeted sprayer - electrical control
3 Cover crop - single species	21 Precision nutrient application	Adjacent to Field
4 Cover crop mix	Subsurface phosphorous application	₃₃ Filter strip
₅ Contour farming	No fertilizer application more than 30 days before planting	34 Field border
6 Conservation crop rotation	24 Controlled release fertilizer	Riparian buffer - grass or forest
₇ Laser leveling	Split nitrogen application with at least 50% applied after planting	Irrigation water management plan
		99 None of the above

b. For each practice or activity checked in 48a, please complete one line of this table.

b. For each practice of activity		<u> </u>		T
1	2	3	4	5
		When was this practice or plan used on the selected field?	What financial assistance (cost share) has been received for this practice on this field?	Does this practice or activity help satisfy
Practice or Activity on the Selected Field	Practice Code (see item 48a)		Received a payment in 2021 from EQIP, CSP, or similar program Did not receive a payment in 2021 but have in earlier years Have never received a payment for this practice	A federal, state, or local regulatory requirement Highly erodible land conservation compliance Does not relate to any regulation or compliance requirement
	Code	Code	Code	Code
	1610	1614	1612	1613
	1615	1619	1617	1618
	1620	1624	1622	1623
	1625	1629	1627	1628
	1630	1634	1632	1633
	1635	1639	1637	1638
	1640	1644	1642	1643
	1645	1649	1647	1648
	1650	1654	1652	1653
	1655	1659	1657	1658
	1660	1664	1662	1663

					Code				
49. In 2021, was the corn in the selected field covered by a single or named peril crop insurance policy (e.g. hail, replant, wind, freeze, etc.)?									
[If item	49=1, continue. Otherwise, go to item 50.]			l.	Code				
a.	In 2021, was the corn in the selected field covered crop insurance policy (e.g. hail, replant, wind, fre		Yes=1 No=3	2721					
					ars & Cents per Acre				
	What was the dollar amount of coverage per acrefield?		ected	1395	·				
C.	c. What was the premium cost per acre for the single peril policy covering the selected field in 2021? EXCLUDE any sign-up fee								
d.	d. What was the percent deductible for the single peril policy covering the selected field? (Record no deductible as 0%)								
e.	Did you (or will you) collect an indemnity paymer policy during 2021?		Yes=1 No=3	2724	Code				
					Code				
50. In 2	2021, was the corn in the selected field covered b	y a multi-peril crop insurance policy?	Yes=1 No=3	1385					
[If item		Federal CAT - basic catastrophic insurance Yield Protection (YP) Federal CAT - basic catastrophic insurance			Code				
	Which coverage did you obtain?	Revenue Protection (RP) Other multi-peril crop insurance		1386					
[If item	[If item 50a = 2, ask]								
	i. What percent of yield coverage did you selec	ct for the selected field?		1387					
	ii. What percent of price coverage did you selec	ct for the selected field?		1388					
[If item	50a = 3, ask]				Percent				
	iii. What percent of revenue coverage did you se	elect for the selected field?		1389					
b.	Did you purchase a policy for Hurricane Insurance	ce Protection - Wind Index in 2021?	Yes=1 . No=3	1391	Code				
C.	What type of unit coverage did you purchase for the multi peril policy on the selected field?			2524					
d.	In what year did you, the operator listed on the la	3 Enterprise abel, first purchase multi-peril crop insuranc	e on	2525	Year				
	the selected field?								
2									
e. What is the 2021 Approved APH (actual production history) yield for the selected field?									
f.	What was the premium paid for multi-peril crop in EXCLUDE any administrative fee			2527	•				
					Code				
g.	Did you or will you collect an indemnity payment insurance during 2021?		Yes=1 No=3	2528					

				Code	Office Use Edit Table		
1.	Were commercial nutrients or fertilizers applied to the selected field for the 2021 corn crop? INCLUDE those from operators, landlords, and contractors No=3						
[lf i	[If item 1 = 1 continue, otherwise go to item 6]						
2.	2. How many commercial nutrient or fertilizer applications were made to the selected field for the 2021 crop? INCLUDE applications made by airplanes and custom applicators						
Now I need to record information for each application.							
CHECKLIST							
	INCLUDE	EXCLUDE					
	Custom applied nutrients or fertilizers	Micronutrients					
ļГ	Nutrients or fertilizers applied in the fall of	Unprocessed manure					
	2020 and those applied earlier if the selected field was fallow in 2020.	Nutrients or fertilizers applied to previous crops in the selected field					
Г	Commercially prepared manure or compost	Lime and gypsum/landplaster	Office Use Lines in Tal		0299		

Application Codes for Column 6 1 Broadcast, ground without incorporation 2 Broadcast, ground with incorporation 3 Broadcast, by aircraft 7 Banded in or over row 4 In seed furrow 8 Foliar or directed spray

			2		3	4	5	6	7
L I N E	pla	rcentage anal ant nutrients a Common Nut	applied per a	cre.]	What quantity was applied per acre? [Leave this column blank if actual nutrients were reported]	[Enter material code] 1 Pounds 12 Gallons 13 Quarts 19 Pounds of actual nutrients	When was this applied? 1 In the fall before seeding 2 In the spring before seeding 3 At seeding 4 After seeding	How was this applied? [Refer to code list above]	How many acres in the selected field were treated in this application?
01	31	32	33	34	36	37	38	39	40
02	31	32	33	34	36	37	38	39	40
03	31	32	33	34	36	37	38	39	40
04	31	32	33	34	36	37	38	39	40
05	31	32	33	34	36	37	38	39	40
06	31	32	33	34	36	37	38	39	40
07	31	32	33	34	36	37	38	39	40
08	31	32	33	34	36	37	38	39	40
09	31	32	33	34	36	37	38	39	40
10	31	32	33	34	36	37	38	39	40

		Code
4. Were any nutrients or fertilizers applied by custom applicators?	Yes=1 No=3	0214
[If item 4=1 continue. Otherwise go to item 5.]		Code
a. Are you able to report the cost of nutrient or fertilizer materials and custom application separately?	Yes=1 No=3	2216
[If item 4a = 1 continue. Otherwise go to item 5.]		Office Use
		0215
b. Excluding the cost of the nutrient or fertilizer materials, how much was spent for custom application of nutrients or fertilizers on the selected field? INCLUDE operator, landlord, and contractor costs. INCLUDE costs for sulfur and micronutrients. EXCLUDE custom application of lime, gypsum,	OR	Total Dollars
purchased manure and purchased compost		
[If material and application costs can't be separated, exclude them here and record the total in item 5.]	
5. What was the total cost of all nutrient or fertilizer products applied to the selected field? INCLUDE operator, landlord, and contractor costs as well as the costs for sulfur and micronutrients. INCLUDE materials applied to the selected field if it was fallow in 2020. EXCLUDE lime, gypsum, purchased manure, and purchased compost	OR	Total Dollars
[If custom applied and the cost of materials can be separated from application costs, include the cost	-∐ of ma	terials only,
otherwise, include both the material and application costs.]		•
		Code
6. Was gypsum applied to the selected field for the 2021 corn crop?	Yes=1 No=3	0218
7. Was a soil test for soil organic matter performed on this corn field at some point in the last 10		3225
years?	Yes=1 No=3	0220
[If item 7 = 1, ask]		Percent
What was the percentage of soil organic matter on the field for the most recent test?		3226
		Number
b. How many times have you tested the selected field for soil organic matter in the last 10 years?	?	3227
[If item 7b is more than 1, ask]		Code
c. Based on these tests, is your soil organic matter content 1 Increasing? 2 Decreasing?		3228
3 Staying roughly the same?		Code
8. Was a soil or plant tissue test performed on the selected corn field in 2020 or 2021 for the 2021 crop?	Yes=1 No=3	0224
[If item 8 = 1, continue, otherwise go to item 13.]		Code
9. Was a soil test for phosphorus performed on the selected corn field in 2020 or 2021 for the 2021 crop?	Yes=1 No=3	0225
[If item 9 = 1 ask]		Pounds per Acre
a. How many pounds of phosphorus per acre were recommended by the phosphorus test?		0226
		Code
10. Was a soil test for nitrogen performed on this corn field in 2020 or 2021 for the 2021 crop?	Yes=1 No=3	
[If item 10 = 1, ask]		Pounds per Acre
a. How many pounds of nitrogen per acre were recommended by the nitrogen test?		0228

					Code
	as a plant tissue test or leaf analysis for n 20 or 2021 for the 2021 crop?			Yes: No:	
			Dollars & Cent per Acre	ts OF	R Total Dollars
	ow much was spent for these soil and pland id? INCLUDE operator, landlord, and cor		0230		0231
[If test	s were done at no cost, continue. Otherw	vise go to item 12b.]			
		Soil/plant tissue test provided dealer, crop consultant, or ex			Code 0232
a.	What is the reason why tests were done at no cost?	Soil/plant tissue test costs we fertilizer costs reported in iter		l	
		3 Some other reason			Code
b.	Did you receive a payment from the Costalk or leaf tissue test for nitrogen appli			Yes: No:	
	erator Action: Refer to the Fertilizer Table itrogen applied, go to item 15.]	e, column 2. If nitrogen (N) was	s applied, complete i	tem 13.	
13. Wa	as the amount of nitrogen you decided to	apply to the selected field base	ed on		Code
a.	Results of a soil or plant tissue test?			Yes=1 No=3	
b.	Crop consultant recommendation?			Yes=1 No=3	0234
C.	Fertilizer dealer recommendation?			Yes=1 No=3	0235
d.	Extension Service recommendation?			Yes=1 No=3	
e.	Cost of nitrogen and/or expected comm	odity price?		Yes=1 No=3	
f.	Contractor recommendation?				
g.	Routine practice - operator's own determ	mination based on past experie	nce, yield goal, etc.?	Yes=1 No=3	
		1 Nitrification inhibitors (such as			Code
	nich of the following products did you	2 Urease inhibitors (such as Agr3 Chemical-coated fertilizers (su	ich as sulfur-coated		0241
	e to slow the breakdown of nitrogen on s field?	urea and polymer-coated urea 4 Other inhibitors	1)		
		5 None			
[If nitro	ogen inhibitors were used, continue. Othe	erwise go to item 15.]	Pounds per Acre	OR	Gallons per Acre
a.	How much nitrogen inhibitor did you mix the selected field?		2561	25	562 •
			Dollars & Cents		Dollars & Cents
			per Pound	OR _	per Gallon
b.	What was the cost of nitrogen inhibitors operator, landlord, and contractor costs.		0297	02	

			Code
15. Wa	as time-released fertilizer applied to the selected fie	eld?Yes=1 No=3	
16. Is l	ime ever applied to the selected field?	Yes=1 	0242
[If item	16 = 1 continue, otherwise go to item 17.]		Years
a.	On average, how many years are there between a	applications of lime to the selected field?	0243
			Tons per Acre
b.	How many tons of lime were applied per acre the	last time it was applied to the selected field?	0244
			Code
C.	Was lime applied to the selected field in 2020 or 2	2021 for the 2021 crop? No=3	0240
oth	as non-commercial (unprocessed) manure from ow her organic material, including compost, applied to the CLUDE commercially prepared manure	the selected field for the 2021 corn crop? Yes=	Code 1 0246 3
[If item	17 = 1 continue, otherwise go to item 19.]		Acres
2	To how many acres in the selected field was manu	ure or compost applied?	0247
a.	To now many acres in the selected field was main	Units per acre	Unit Codes 1 Tons 2 Gallons 3 Bushels 4 Cubic yards
L	NA/In add	0249	0248
b.	What was the amount of manure or compost appl		_
C.	Of the total manure or compost applied to the selepercent of manure or compost applied	ected field for the 2021 corn crop, what was the	Percent
	i. in the fall before planting?		0254 +
	ii in the continue before planting?		0255
	ii. in the spring before planting?		0256
	iii. after planting?		+
			100%
		1 Lagoon liquid?	
		2 Slurry liquid?	Code 0257
d.	Was the manure or compost	3 Semi-dry or dry?	
		1 Broadcast or sprayed without incorporation?	Code
		2 Broadcast or sprayed with incorporation? 3 Injected/knifed in?	0258
e.		4 Sprayed using irrigation systems?	
f	W/o the major course of manual areas and	1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine?	Code
f.		7 Biosolids - municipal sludge? 8 Food waste?	0259
		9 Other? Specify:	.1

			1 Produced on this operation?			Code
g.	Wa	s the manure or compost	2 Purchased?3 Obtained at no cost off this op			0260
[If item	17g	g = 2, continue, otherwise go to item 17h.]	4 Obtained with compensation (received payment for accepting			
	i.	What was the total cost of the purchased mar	nure or compost applied to	Dollars & Cents per Acre	OR	Total Dollars
	1.	the selected field? INCLUDE operator, landlo INCLUDE any payment made for transportation	ord, and contractor costs.	0284		0285
			•			Code
	ii.	Did you have someone to custom apply the m	nanure or compost?		Yes=1 No=3	0286
[If item	170	gii = 1, ask]				
		(a) What was the total cost paid to have man	ure or compost custom	Dollars & Cents per Acre	OR	Total Dollars
		applied to the selected field? INCLUDE o	perator, landlord, and	0287		0288
[Do no	t rep	port custom application cost if it was included v	vith the purchased manure or	compost cost.]	<u> </u>	
						Miles
h.		at is the distance in miles between the manure ected field?			the	0291
						Code
İ.		the manure or compost applied to the selected or to application?			Yes=1 No=3	0261
j.		s the application rate of commercial nitrogen for sanure or compost application?			Yes=1 No=3	0262
[If 17j =	= 1,	ask]				Percent
	i.	By what percent did you reduce the commerc selected field?	0 11			0263
						Code
	ii.	Did you adjust the corn harvest date for the semanure or compost?			Yes=1 No=3	0280

	Code
18. Were the manure or compost application rates to the selected field influenced by Federal, Yes=1 State, or local restrictions?	0264
[If item 18 = 1, ask]	
a. What basis was used to determine these manure application rate restrictions	Code
i. Nitrogen requirement of the crop?	0265
ii. Phosphorus requirement of the crop?	0266
19. Compared to the last time you planted corn, did you make any of the following changes to your cropping practices with the intent of reducing commercial fertilizer use?	Code
 a. Change the type of commercial fertilizer products applied on the selected field, (e.g. less Anhydrous ammonia and more urea)	1226
 Manage fertilizer use more closely, with such practices as soil testing, split applications, Yes=1 variable rate applications, or soil incorporation on the selected field 	1228
c. Change your crop rotation, e.g. plant corn on the selected field rather than usual crop Yes=1 rotation	1227
d. Reduce the application of commercial nitrogen fertilizer	1224
[If item 19d = 1, ask]	Percent
i. By what percent did you reduce the amount of commercial nitrogen fertilizer applied for 2021?	1225

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 2021 corn crop, including both custom applications and applications made by this operation.

Office Use Edit Table

[Probe for applications made in the fall of 2020 and those made earlier if the selected field was fallow.]

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

, , , , , , , , , , , , , , , , , , , ,	EXCLUDE adjuvants, nutrients or fertilizers	1 ! !		
insecticides, and other pesticides.	reported earlier and seed	Office Use	Table	0399
INCLUDE biological and botanical pesticides.	treatments.	Line in Table	001	

		2	3	4	5	6 0	R 7	8
Chemical Product Name	L – Z E	What products were applied to the selected field? [Show product codes from Respondent Booklet.]	Was this product bought in liquid or dry form?	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	6 Of 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
	01	61	62	63	64	65 •	73	74
	02	61	62	63	64	65	73	74
	03	61	62	63	64	65	73	74
	04	61	62	63	64	65	73	74
	05	61	62	63	64	65	73	74
	06	61	62	63	64	65	73	74
	07	61	62	63	64	65 •	73	74
	08	61	62	63	64	65	73	74
	09	61	62	63	64	65	73	74
	10	61	62	63	64	65	73	74
	11	61	62	63	64	65	73	74
	12	61	62	63	64	65	73	74
	13	61	62	63	64	65	73	74
	14	61	62	63	64	65	73	74

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)

Applications Codes for Column 9

- 1 Broadcast, ground without incorporation
- 2 Broadcast, ground with incorporation
- 3 Broadcast, by aircraft
- 4 In seed furrow
- 5 In irrigation water

- 6 Chiseled/injected or knifed in
- 7 Banded in or over row
- 8 Foliar or directed spray
- 9 Spot treatments

	9	10	11	12	13	14
	How was this product applied? [Enter code from	How many acres in the selected field were treated with this product?	How many times was it applied?	Were these applications made by	What was the cost per unit of the product?	Unit Code
L I N E	above.]	Acres	Number	Operator, partner, or family member? Custom applicator? Employee/Other?	Dollars & Cents per Unit	1 Pounds 15 Liquid Ounces 12 Gallons 28 Dry Ounces 13 Quarts 30 Grams 14 Pints
01	76	77	79	80	81	82
02	76	77	79	80	81	82
03	76	77	79	80	81	82
04	76	77	79	80	81	82
05	76	77	79	80	81	82
06	76	77	79	80	81 •——	82
07	76	77	79	80	81	82
08	76	77	79	80	81	82
09	76	77	79	80	81	82
10	76	77	79	80	81 •	82
11	76	77	79	80	81	82
12	76	77 •	79	80	81	82
13	76	77 •	79	80	81	82
14	76	77	79	80	81	82

					Code
3.	We	ere any chemicals, biocontrols, or pesticides applied by custom applicators?.		Yes=1 No=3	0323
[If	item	3 = 1 ask Otherwise go to item 4.]			Code
	a.	Are you able to report the cost of chemical, biocontrol, and pesticide production separately?		Yes=1 No=3	0324
[If	item	3a = 1, ask]			
			Dollars & Cents per Acre	OR	Total Dollars
	b.	Excluding the cost of the chemical, biocontrol, and pesticide products, how much was spent for custom application of such materials on the selected field? INCLUDE operator, landlord, and contractor costs	0331		0332
4.	app cos age	nat was the total cost of all chemical, biocontrol, or pesticide products plied to the selected field? INCLUDE operator, landlord, and contractor sts, defoliants, herbicides, insecticides, fungicides, surfactants, wetting ents, growth regulators, and materials applied before planting and during 20 fallow period. EXCLUDE seed treatments	Dollars & Cents per Acre	OR	Total Dollars
			Dollars & Cents per Acre	OR	Total Dollars
	a.	How much was spent for herbicide products applied to the selected field? INCLUDE operator, landlord, and contractor costs	3034		3035
			Dollars & Cents per Acre	OR	Total Dollars
	b.	How much was spent for insecticide products applied to the selected field? INCLUDE operator, landlord, and contractor costs	3036		3037
No	te:	If custom applied and the costs for materials can be separated from application cost Otherwise, report both the material and application costs in item 4.	sts, include the cost f	or mate	erials only.

Now I have some questions about your pest management decisions and practices used on the selected field for the 2021 corn crop. By pests, we mean weeds, insects, and diseases.

[En	umerator Actior	n: Were pesticide applications rep	ported in Section D?]			
	☐ Yes - Continu	ue No - Go to item 6				Code
1.		•	either the need or when to make pesticide	Yes=1 No=3	0800	
2.	Were any biolo	gical pesticides such as Bt (<i>Bacili</i>	lus thuringiensis), insect growth regulators,	!		Code
	neem or other	natural/biological based products	sprayed or applied to manage pests in the	Yes=1 No=3	0801	
			tion rotated or tank mixed for the primary nt to pesticides?	Yes=1 No=3	0802	
in S	Section D, item	1, column 2?]	uct codes 10000-99000) applications reported	·		
	☐ Yes - Continu	ue No - Go to item 6		ı		Code
4.	Were herbicide	s applied to the selected corn fiel	d before weeds emerged?	Yes=1 No=3	0803	
5.	Were herbicide	s applied to the selected corn fiel	d after weeds emerged?	Yes=1 No=3	0805	
			the activity or numbers of weeds, insects, or	Yes=1 No=3	0823	
			thresholds to determine when to take	Yes=1 No=3	1824	
g	In 2021 how w	as the selected field primarily	1 By deliberately going to the field specifically for scouting activities [Enter code 1 and go to item 9.]		-	Code
0.	scouted for inse	ects, weeds, diseases, and/or nisms?	2 By conducting general observations while performing routine tasks [Enter code 2 and go to item 10.]		8080	
	Ç		3 The selected field was not scouted. [Enter code 3 and go to item 15.]			Code
			estematic sampling, recording counts, etc. used	Yes=1 No=3	0809	
10.	Was scouting for	or pests done in the selected field	due to			Code
	a. a pest advi	sory warning?		Yes=1 No=3	0810	
	b. a pest deve	elopment model?		Yes=1 No=3	0811	
						Code
11.	Do you believe	that rootworms damaged corn gr	own on the selected field?	Yes=1 No=3		
[If it	tem 11 = 1, con	tinue. Otherwise, go to item 12.]				Number
	a. If you belied the selected		odging, approximately how many stalks were lod	_	1924	
		ve that rootworm damage nt growth, approximately how	One node eaten back to 1.5 inches of the stalk. Two complete nodes eaten.		1925	Code
		s were affected?	3 Three or more nodes eaten.			

	20	
1	2	3
		[If column 2 = 1, ask] Do you believe that the infestation/population level was higher than the economic threshold for treatment?
12. Do you believe that the selected field was infested with any of the following insects or mites?	Yes=1	1 Much higher (over 1.5 times the threshold) 2 Higher (between 1 and 1.5 times the threshold) 3 Lower (between 1 and .5 times the threshold) 4 Much lower (between .5 and 0 times the threshold) 99 Don't know
	No=3	Code
a. Corn Rootworms?	2725	2726
b. Corn Borers?	2727	2728
c. Mites?	2729	2730
d. Corn Earworms?	2731	2732
e. Grubs, Wireworms, or Seed Maggots, or other soil dwelling pests?	2733	2734
[If scouted by crop consultant or commercial scout, ask iten		e go to item 14.]
13. How much was charged for the scouting services for the		Dollars & Cents per Acre OR Total Dollars

			Dollars & Cents per Acre	OR	Total Dollars
13.		w much was charged for the scouting services for the selected field? CLUDE operator, landlord, and contractor costs	0821 •——		0822
		_			Office Use
	a.	If scouting performed at no cost, explain:			0333
					Code
14.		re scouting data compared to published information on infestation thresholds en to take measures to manage pests in the selected field?		Yes=1 No=3	0824
15.		you use field mapping of previous weed problems to assist you in making we nagement decisions?		Yes=1 No=3	0825
16.		you do any of the following other types of pest management for the specific paging or reducing the spread of pests in the selected field?	purpose of		Code
	a.	Use the services of a diagnostic laboratory for pest identification or soil plant analysis for the selected field?		Yes=1 No=3	0841
	b.	Plow down crop residue using conventional tillage?		Yes=1 No=3	0842
	c.	Remove/burn down crop residue?		Yes=1 No=3	0843
	d.	Rotate crops in the selected field during the past three years?		No=3	0844
	e.	Maintain ground covers, mulches, or other physical barriers?		Yes=1 No=3	0845
	f.	Choose crop variety because of specific resistance to a certain pest?		Yes=1 No=3	0846
	g.	Use no-till or minimum till?		Yes=1 No=3	0847
	h.	Plan planting locations to avoid cross infestation of pests?		Yes=1 No=3	0848
	i.	Adjust planting or harvesting dates?		Yes=1 No=3	0849
	j.	Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fer	nce lines?	Yes=1 No=3	0850
	k.	Clean equipment and field implements after completing field work to reduce pests?		Yes=1 No=3	0851

				Code
	l.	Adjust row spacing, plant density, or row directions?	Yes=1 No=3	0852
	m.	Have the seed treated for insect or disease control after you purchased the seed for the selected field?	Yes=1 No=3	0854
	n.	Maintain a beneficial insect or vertebrate habitat?	Yes=1 No=3	0855
	Ο.	Use a flamer to kill weeds?	Yes=1 No=3	0857
	p.	Maintain buffer strips or border rows to isolate corn from non-organic crops or land, or did you take a buffer harvest?	Yes=1 No=3	0856
	q.	Plant earlier or later to avoid weeds?	Yes=1 No=3	0865
				Code
17.		ere any beneficial organisms, such as insects, nematodes, or fungi, applied or released in the ected field to manage pests?	Yes=1 No=3	0853
				Code
		re floral lures, attractants, repellants, pheromone traps, or other biological pest controls used the selected field?	Yes=1 No=3	0858
[If it	em	17 or item 18 = 1, ask]		
	a.	What were the total materials and application costs for all biological pest controls for the selected field? INCLUDE operator, landlord, and contractor	OR	Total Dollars
		costs. INCLUDE cost for beneficial organisms, insects, nematodes, and fungi. EXCLUDE biological pesticides previously reported	_	0860
				Code
19.	Wa	s a trap crop, excluding fallow, grown to help manage insects in the selected field?	Yes=1 No=3	0863
20.	Wa	s the selected field left fallow in 2020 to help manage insects on the selected field?	Yes=1 No=3	0864
	trea	ere water management practices such as irrigation scheduling, controlled drainage, or atment of retention water used on the selected field to manage pests or toxin-producing gi and bacteria?	Yes=1 No=3	Code 0861

				Code	
22. Was protection of beneficial organisms a factor in your pest control field?			Yes=1 No=3	1765	
[If item 22 = 1, continue. Otherwise, go to item 23.]				Code	
a. Did you change timing of, reduce application rate of, or elimina	1766				
b. Did you change to an alternative pesticide, biocontrol, or non-p	1767				
23. Did you cultivate the selected field for weed control?			Yes=1 No=3	2453	
[If item 23 = 1, ask]				Number	
a. How many times?				2454	
				Code	
24. Did you use a soil-insecticide or insecticidal seed treatment in the	refuge in 2021?		Yes=1 No=3	1812	
		Units per A	cre	Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels	
25. If untreated (either with insecticides or Bt seed), how much yield lo per acre) do you think corn borers would most likely cause on the		2670		2671	
26. If untreated (either with insecticides or Bt seed), how much yield lo per acre) do you think corn root worms would most likely cause or field?	the selected	2672		2673	
27. If untreated (either with herbicides, tillage, or cultivation), how much yield loss (e.g. bushels per acre) do you think weeds would most likely cause on the selected field?					
			_	Code	
28. Did pests (weeds, insects, pathogens, animals) cause any yield lo spite of your pest control efforts?			Yes=1 No=3	0827	
[If item 28 = 1, ask]			L		
	Units per Acre	Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels	OR	Total Units	
a. How much yield loss do you think was caused by all pests on the selected field in spite of the management practices you used to reduce those losses?	0829	0828		0830	
			_ L	Number of Years	
29. If you used genetically engineered, glyphosate resistant seeds on the number of consecutive years you have planted genetically engineered.				1970	
[Note: A producer who used HT corn in 2021 and 2020, but convention genetically engineered, glyphosate resistant seeds for "2" consecutive		has used		Year	
a. What year did you first plant any glyphosate resistant seeds or	n the selected field	d?		1971	
				Code	
30. Have you noticed a decline in the effectiveness of glyphosate (e.g weeds in the selected field?	• /	•	Yes=1 No=3	0834	
[If item 30 = 1, continue. Otherwise, go to item 32.]				Year	
What was the first year you noticed a decline in effectiveness of the selected field?			ds on	2737	

31. After noticing the decline in the effectiveness of glyphosate in controlling weeds on the selected field, did you		Code
a. stop planting glyphosate resistant crops?	Yes=1 No=3	0837
b. change tillage practices?	Yes=1 No=3	0839

32. Have any of the following herbicides been used on the selected field in the specified years since:

	1 Active Ingredients	2 2021 Yes=1 No=3	3 2020 Yes=1 No=3	4 2019 Yes=1 No=3	5 2018 Yes=1 No=3	6 2017 Yes=1 No=3
a.	Glyphosate (e.g. Roundup®)	2001	2002	2003	2004	2005
		2006	2007	2008	2009	2010
b.	Glufosinate (e.g. Liberty®)					
C.	Dicamba (e.g. Xtend®, Xtendimax®, Engenia®)	2011	2012	2013	2014	2015
		2738	2739	2740	2741	2742
d.	2,4-D (e.g. Enlist®)					

		Coc	de
33. Have herbicide tolerant seeds been planted on the selected field any time since 2017?	Yes=1 No=3		

[If item 33 = 1 continue, otherwise go to item 34.]

		If column 2 = 1, ask questions in columns 3 - 6				
1	2 Have you noticed a decline in the	3 What was the first year you noticed a decline in	After noticing the decline in the effectiveness of this herbicide in controlling weeds on the selected field, did you			
For herbicide tolerant seeds that are tolerant of	effectiveness of herbicides in controlling weeds in the selected field?	the effectiveness of herbicides in controlling weeds in the selected field?	4 Stop planting herbicide resistant crops with this trait?	5 Change tillage practices?	6 Switch to an alternative herbicide?	
	Yes=1 No=3	Year	Yes=1 No=3	Yes=1 No=3	Yes=1 No=3	
a. Glyphosate (e.g. Roundup®)	2022	2023	2024	2025	2026	
b. Glufosinate (e.g. Liberty®)	2027	2028	2029	2030	2031	
c. Dicamba (e.g. Xtend®, Xtendimax®, Engenia®)	2032	2033	2034	2035	2036	
d. Active Ingredients in the Sulfonylurea family (e.g. chlorimuron, foramsulfuron, Synchrony® XP, Leadoff®, Basis®)	2743	2744	2745	2746	2747	
e. 2,4-D (e.g. Enlist®)	2037	2038	2039	2040	2041	

34. Considering each year you planted a glyphosate resistant crop on the selected field, have you ever used the following practices in order to reduce the rate that glyphosate resistance develops in weeds on the selected field?

practices in order to reduce the rate that glyphosate resista	2	3	4
1	2		
	V4	How often did you use this practice on the selected field?	Did the cost of managing weeds on the selected field increase as a result of you use of the practice?
	Yes=1 No=3	1 Every Year 2 Every Other Year 3 Multiple Years 4 One Year	1 Yes 3 No 2 Don't know
Resistant Management Practice	Code	Code	Code
a. Control weeds early	0886	2871	0878
b. Control weed escapes	0887	2872	0879
c. Clean equipment between moving from one field to the next	0888	2873	0880
d. Use herbicides other than glyphosate	0889	2874	0881
e. Use tillage	0890	2875	0882
f. Use the herbicide label recommended application rate	0891	2876	0883
g. Rotate crops	0892	2877	0884
If item 34, column 2 contains at least one "1", ask; otherwise	go to item 36.]	
Considering the above practices (a-g), do you believe resis management practices are or would be more effective in re-		n't know	Code
the rate that herbicide resistance develops in weeds on the selected field if operators of nearby farms also use them?	4 The	nearest farm is too far ay to affect the selected field	
6. Did you plant genetically-engineered rootworm-resistant se	ed on the sele	ected field in 2021?	Yes=1 No=3
			Years 2927
a. How many consecutive years have you used rootworm-	resistant seed	ds on the selected field?.	
f item 36a is greater than 1, continue. Otherwise go to Section	n F.]		Code
 b. Have you ever switched from a rootworm-resistant seed a pyramided rootworm-resistant seed? Note: Pyramide 			Yes=1 No=3
f item 36b = 1, ask]			Year
c. What year did you switch from a rootworm-resistant see	ed with one Mo	OA to a pyramided rootw	orm- ²⁹²⁹

resistant seed?....

'	or Pest Management ata
1 Incomplete/Refusal	0500

1.	Including custom operations, I need to list field work performed by on the selected field for the 2021 corn crop. Please	/ machines	Check List INCLUDE all field work using machines for
	 begin with the first field operation after harvest of previous crop, includin for a cover crop established since the previous crop was harvested. If fa 2020, list operations starting with fall 2019. 	☐ Land forming/Levee Building☐ Tillage☐	
	 list the operations in order through harvest and hauling of this crop to ste point of sale; and 	☐ Preparing for Irrigation☐ Planting	
	maintain the order of tandem hook-ups.	_	☐ Fertilizer & Pesticide applications
	Codes for Column 5 1 You (the Operator) 2 Partner 3 Unpaid Worker 4 Paid Part-time or Seasonal Worker	Office Use Lines in Table	☐ Harvesting & Hauling to storage or first point of sale EXCLUDE ☐ Lime & Gypsum/land plaster applications
	5 Paid Full-time Worker 6 Custom Applicator	0499	☐ Compost & Non-commercial manure

			6 Custom Applicator applications							
1	2	3	4	5		[[If Column 5 = code 6, skip columns 6 thru 11]			
L I N E	⊗ ⊞ Q ⊃ ⊞ Z O Ш	What operation or equipment was used?	[Record machine code from Respondent Booklet.]	Who was the machine operator? [Enter code from above.]	6 What was the size or swath of the [machine] used?	7 [Record size unit code.] 1 Feet 2 Row 3 Moldboard bottoms Hauling 4 Pounds 5 Bushels 6 Tons	8 O How many acres were covered? EXCLUDE land forming and hauling operations.	How many total hours were spent on land forming and hauling? [Example: backhoes, disk border maker, ditcher, rear mounted blade, trucks, wagons, forklift etc.]	10 What power source was used? Tractors 1 <40 HP 2 40-99 HP 3 100-149 HP 4 150-199 HP 5 >= 200 HP OR 66 Animal Drawn 77 Pick up ^{1/} 99 Self-Propelled	What was the fuel type of the tractor? [Record fuel type only if Power code equals 1-5] 1 diesel 2 gasoline 3 LP gas 4 other
No.	No.		Code	Code		Code	Acres	Hours	Code	Code
01	87		88	89	90	91	92	93	94	95
02	87		88	89	90	91	92	93	94	95
03	87		88	89	90	91	92	93	94	95
04	87		88	89	90	91	92	93	94	95
05	87		88	89	90	91	92	93	94	95
06	87		88	89	90	91	92	93	94	95
07	87		88	89	90	91	92	93	94	95
08	87		88	89	90	91	92	93	94	95
09	87		88	89	90	91	92	93	94	95
10	87		88	89	90	91	92	93	94	95
11	87		88	89	90	91	92	93	94	95
12	87		88	89	90	91	92	93	94	95
13	87		88	89	90	91	92	93	94	95
14	87		88	89	90	91	92	93	94	95
15	87		88	89	90	91	92	93	94	95
16	87		88	89	90	91	92	93	94	95
17	87		88	89	90	91	92	93	94	95
18	87		88	89	90	91	92	93	94	95

^{1/}If trucks other than pick-ups are used as the power source, use truck codes in Respondent Booklet

Office Use

0400

[Now I need some additional information about your labor.]
 Please report the paid and unpaid labor that worked on the selected field to produce the 2021 corn crop.
 EXCLUDE labor that was reported for field work performed by machines.

	How many hours did (How many hours did (type of worker) spend on the selected field					
	1	1 2					
	scouting for weeds, insects and diseases?	irrigating?	performing other work by hand?				
Type of Workers	Hours	Hours	Hours				
You (the operator)	1101	1102	1103				
Partner(s)	1104	1105	1106				
Unpaid workers	1107	1108	1109				
Paid part-time or seasonal workers EXCLUDE custom and contract labor	1110	1111	1112				
Paid full-time workers EXCLUDE custom and contract labor	1113	1114	1115				

3.	What was the average hourly wage rate paid to part-time or seasonal hired workers on the selected field? Part-time workers are defined as those who worked for wages or salaries for less than 30 hours a week on average.	Dollars & Cents Per Hour	OR	Total Dollars per Week	AND	Number of Hours Worked Each Week	
	EXCLUDE custom and contract workers, payroll taxes and benefits	1119		2119		3119	
1	What was the average hourly wage rate paid to full-time	Dollars & Cents Per Hour	OR	Total Dollars per Week	AND	Number of Hours Worked Each Week	
٦.	hired workers on the selected field? EXCLUDE custom and contract workers, payroll taxes and benefits	1118		2118		3118	
						Code	
5.	Was any contract labor used on the selected field?				Yes=1 No=3	1116	
[If i	tem 5 = 1, ask]					Dollars & Cents Per Acre	
	a. What was the average cost per acre for this contract lal INCLUDE operator, landlord, and contractor costs					1117 •	
6.	,					Percent	
	workers under 16 years of age? Estimates of labor costs for unpaid workers are based on off-farm wage rates, which are different for workers under 16 relative to those 16 and older						

7.	[Now I need some information on how much was spent or will be spent for custom services used on the selected field for
	the 2021 corn crop.]

	1		2
	Custom Service	cont	luding operator, landlord, and ractor costs, how ch was spent for olumn1] on the
	Which of the following services were performed for the 2021 corn crop on the selected field?	sele 20	ected field for the 021 corn crop?
	[Check box for each service performed; refer to item 1 if necessary.]		Dollars & Cents per Acre
	a. Custom land preparation, shaping and/or leveling?	+	•
	b. Custom cultivating?	-	•
	c. Custom planting and/or reseeding?	1123	·
	d. Custom harvesting?	1124	•
	e. Custom hauling to storage or point of first sale?	1126	
	f. Custom harvesting and hauling from field to storage or point of first sale?	1127	•
_	(Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre)	1128	·
	g. Custom raking, baling, and hauling the straw from the selected field?	1120	•
			Code
	Was the corn harvested and hauled from the selected field dried (or will be dried) before it was sold or stored?	Yes=1 No=3	2748
	Did you hire any technical or consultant services to make recommendations such as for nutrient, pest control, irrigation, or precision farming for the selected field?	Yes=1 No=3	1196
[If ite	em 9 = 1, continue. Otherwise, go to item 12.]	·	
10 '	Which of the following technical or consultant services did you obtain to make		
	recommendations for the selected field?		Code
;	a. Nutrient recommendations/management service?	Yes=1 No=3	1129
	b. Soil or tissue sample collection?	Yes=1 No=3	1130
(c. Pest control recommendations/management service?	Yes=1 No=3	1131
(d. Pest scouting?	Yes=1 No=3	1132
(e. Irrigation management service (i.e. irrigation scheduling)?	Yes=1 No=3	1133
1	f. Yield map or remote sensing map development/interpretation?	Yes=1 No=3	1134
,	g. Other custom or technical service? [Specify:]	Yes=1 No=3	1135

[If any item in 10a-g = 1, continue, otherwise go to item 12.]

11.	What was the cost for any technical or consultant services reported in item 10,
	on previous page. INCLUDE operator, landlord, and contractor costs.
	EXCLUDE cost of soil or tissue tests or scouting costs previously reported.
	Do not report costs for any of these services reported above if they were
	previously reported as part of the cost of materials and/or application

Dollars & Cents per Acre	OR	Total Dollars
1136		1137

12. Please report how any data from the selected field in 2021 will be stored and accessed.

a.	Did you access the data collected from the selected field on a		Code
	i. Paper hard copy?	Yes=1 No=3	
	ii. Personal computer?	Yes=1 No=3	
	iii. Mobile device?	Yes=1 No=3	
b.	Did you access the data collected from the selected field through an agricultural technology provider website?	Yes=1 No=3	2488
If item	12b = 1, ask]		Code
C.	Did you opt out of allowing your agricultural technology provider website to share data collected from the selected field with any third party?	Yes=1 No=3	2489
d.	Did you share any of the data collected from the selected field with a third party through an agricultural technology provider website?	Yes=1 No=3	2490

13. Were there or will there be any data collection tools such as yield monitors, GPS mapping, etc.

Yes=1

No=3

[If item 13 = 1, continue, otherwise go to item 17.]

Please report the data collection technologies you used on the selected field in 2021 to produce this crop. In the fifth column, report how much it would cost you to replace the data collection tool. In the sixth column, report the annual costs of using the data collection tool. INCLUDE custom service fees, data subscriptions, and online tool subscriptions. If the replacement cost or annual fee does not apply to a particular data collection tool, leave the cell in that column blank.

	1	2	3	4	5	6
D	Pata Collection Tool	Tool Used Yes = 1 No = 3	Collected GPS coordinates Yes = 1 No = 3	Data was/will be used to create a map Yes = 1 No = 3	Replacement Cost Total Dollars	Annual Fee Total dollars
a. Yield mon	itor	2461	2462	2463	2570	2571
	on core sample performed on- ent out to a laboratory	2464	2465	2466	2572	2573
c. Soil senso	or tests	2467	2468	2469	2574	2575
d. Hard-wire	d crop condition sensors	2470	2471	2472	2576	2577
e. Wireless	crop condition sensors	2473	2474	2475	2578	2579
f. Drones, a	ircraft or satellites	2476	2477	2478	2580	2581
	ervice applications - data from d work on your field	2479	2480	2481	2582	2583
h. Public dat	a downloaded from online sources.	2482	2483	2484		

[If item 13a column 2 = 1, continue, otherwise go to skip instruction immediately above item 15.]

14. Did	you use the yield monitor information to			Code
a.	add/improve tile drainage?		Yes=1 No=3	1141
b.	negotiate new crop leases?		Yes=1 No=3	1144
C.	help determine chemical input use?		Yes=1 No=3	1143
[If any	tem 13 column 2 = 1, continue, otherwise go to item 16.]			
15. Usi	ng data collected from the previous tools table in item 13, did you obtain crop			
	ommendations, such as data interpretation, in 2021 for the selected field from owing	any or the		Code
a.	input dealers without other fee-for-services?			
b.	input dealers with other fee-for-services?		Yes=1 No=3	2492
C.	custom service providers?		Yes=1 No=3	2493
d.	USDA/university extension services?		Yes=1 No=3	2494
[If any	tem 15a-d = 1, ask]			
e.	What was the cost for all of these services? INCLUDE operator, landlord and contractor costs. EXCLUDE costs for any of these services if they	Dollars & Cents per Acre	OR	Total Dollars
	· · · · · · · · · · · · · · · · · · ·	3150		3151
				Code
	you use an unmanned aerial vehicle (UAV), known as a drone, to help produproduction of corn in the selected field in 2021?		Yes=1	3160
	16 = 1, ask]	•••••	No=3	
-	In the selected field, did you use the UAV for any of the following purposes?			Code
			Yes=1	3161
	i. Weed analysis? ii. Spraying herbicide or fungicide?		No=3 Yes=1	
	iii. Insect analysis?		No=3 Yes=1 No=3	
	iv. Insect control?		Yes=1 No=3	3164
	v. Yield analysis?		Yes=1 No=3	3165
	vi. Moisture analysis?		Yes=1 No=3	3166
	vii. Equipment check?		Yes=1 No=3	3167
b.	Did you purchase the UAV?		Yes=1 No=3	3168
[If item	16b = 1, ask]			Total Dollars
	i. What is the replacement cost of the UAV?			3169
				Code
C.	Do you pay an annual fee for use of the UAV?		Yes=1 No=3	3170
[If item	16c = 1, ask]			Total Dollars
	i. What is the annual fee for use of the UAV?			3171

	as any of the following GPS-enabled the selected field in 2021?	(Global Positio	ning System) eq	uipment u	sed to pro	oduce co	rn		Code
a.	Mounted in-cab heads-up displays?)					Yes=1 No=3	2155	
b.	Smart phones or computer tablets?						Yes=1 No=3	2156	
C.	Automatic section control, such as offs?						Yes=1 No=3	2165	
ins eq an eq	any GPS-enabled equipment was use stall all GPS-enabled equipment, not juipment? INCLUDE cost for GPS re id operator, landlord, and contractor o juipment if they were previously repoi id/or application	Cents	OR	Tota 2167	al Dollars				
					L		<u>u</u>		Code
19. Wa	as any guidance auto-steering equipr	ment, excluding	g Light Bar, used	on the se	lected fiel		Yes=1 No=3	2148	
[If iten	n 19 = 1 continue, otherwise go to ite	m 20.]							
			1 New, owne 2 Used, owne				İ		Code
a.	Was the guidance auto-steering equ	uipment						2158	
							ĺ	0.150	Year
b.	What year was guidance auto-steer	ring equipment	first purchased?					2159	
					Dollars & per A		OR		al Dollars
C.	What is the replacement cost for gu	idance auto-st	eering equipmen	t?	2160	•		2161	
	,				Dollars &		OR	Tot	al Dollars
					2162]	2163	ar Bollaro
d.	What is the annual fee for guidance	auto-steering?	?			•			
							ı		Code
20. Wa	as a variable rate applicator used on	the selected fie	eld?				Yes=1 No=3	2164	
	n 20 = 1 continue, otherwise go to Se								
Please	e report the variable rate applicator ty	nes vou used d	on the selected fi	ield to pro	duce the o	corn in 2	021		
	1	2	3	4	4	5			6
		Tool Used	Was this applicator	Was this	applicator	What yea			um paid for applicator
	variable rate applicator used on the ed field for:		1 Sensor-based 2 GPS-based 3 Both 4 Neither	1 New, owr 2 Used, ow 3 Leased		first us		u ie	аррпсаю
		Yes=1 No=3	Code	Co	ode	Yea	r	Tota	al Dollars
a.	seeding	1158	2170	2171		2172		2173	
	fertilizer/lime applications	1152	2174	2175		2176		2177	
C.		1159	2178	2179		2180		2181	
		1197	2182	2183		2184		2185	

d. irrigation applications.....

G IRRIGATION G

			Acres
1. Ho	ow many acres in the selected field were irrigated for the 2021 corn crop?	116	0
[If nor	ne, go to Conclusion]		
2. No	ow I have some questions about the irrigation system and water that covers the most acres elected field for the 2021 corn crop.	on the	
		Unit	System
a.	What type of irrigation system was used to irrigate the selected field? [Show System Type Codes in the Respondent Booklet. Enter System Type Code for system that applied the most water.]	System Type Cod	1161 de
b.	What was the total quantity of water applied to the selected field during the entire growing season? INCLUDE all water used from both on-farm and off-farm sources and applied by any irrigation system	Inches per Acre OR Total Acre Feet	1163
[If ope	erator cannot provide item 2b, ask (i) and (ii), otherwise go to 2c]		
	i. What is the total number of hours this system was used to apply water to the selected field during the corn growing season?	Total Hours	1164
	ii. How many gallons per minute were applied?	Gallons per Minu	1165
C.	What percent of the water used to irrigate the selected field through this system came from surface water sources?	Percent	1166
d.	What was the number of times the selected field was irrigated during the corn growing season using any system? INCLUDE any pre-plant irrigation	Number of Irrigations	1167
e.	What was the pump type? [If more 1 Turbine		
	than one pump in the system, enter type for pump closest to water source.]	Code	1168
	5 Siphon 99 No Pump		
f.	What was the average pumping rate?	Gallons per Minu	ıte 1169
[If iten	m 2a = code 1-9 (Pressure System), ask-]		
g.	What was the system operating pressure?	Pounds per Square Inch	1170
L	1 Diesel 2 Gasoline		
n.	What was the primary motor type used to pump the water?	Code	1171
	6 Solar Power		
i.	What was the average motor size?	Horsepower	1172
[If iten	n 2e = 99, ask]		
j.	What was the average flow rate?	Gallons per Minu	1173
k.	How many other acres on this operation were irrigated using the selected field's irrigation system during the 2021 growing season? EXCLUDE the selected field	Acres	1174

		Dollars & Cents per Acre	OR	Total Dollars
3.	What was the cost of the fuel or electricity used to irrigate the selected field? INCLUDE operator, landlord, and contractor costs	-		1190
				Code
4.	Was any water purchased to irrigate the selected field? INCLUDE landlord's share purchases from all sources		Yes=1 No=3	1191
[lf	item 4 = 1 ask Otherwise go to item 5.]			
	a. What was the total cost for the water purchased for the selected field during	Dollars & Cents per Acre	OR	Total Dollars
		per Acre OR the cost of the fuel or electricity used to irrigate the selected field? perator, landlord, and contractor costs		1194
				Total Dollars
[lf	siphon tubes were used, item 2a = 10 or 11, ask]			1201
5.	What would be the total cost to replace all the siphon tubes used on the selected fi	eld?		
[lf	poly pipe system was used, item 2a = 14, ask]		ī	Total Dollars
6.				1202
				Inches
[If	gated pipe system was used, item 2a = 15 or 16, ask]			1203
7.	What was the average diameter of gated pipe used to irrigate the selected field?			
			i	Feet
	a. What was the total length of gated pipe used?			1204
			•	Code
0	Were wells used to supply irrigation water for the selected field?	,		1205
Ο.	were wells used to supply irrigation water for the selected field?	•••••	No=3	
[lf	item 8 = 1 continue. Otherwise go to item 9.]			Number
				1206
	a. How many wells were used to irrigate the selected field?			
				Inches 1207
	b. What was the average diameter of the outer well casing?			1207
	c. What was the average pumping depth of these wells during the irrigation season	on? Pumping de	epth	Feet
				1208
			Ī	Code
	d. Were other fields irrigated using water pumped from wells that supplied water t selected field?		Yes=1 No=3	1210
LIT	itom 2d = 1 continue. Otherwise as to item 0.1			
ĮΙΤ		atadaira= 4h	am -	Acres
	e. Excluding the selected field, now many other acres on this operation were irrigated wells during the 2021 growing season?	ated using the s	ame	1411
	wells during the 2021 growing seasons			•—

CONCLUSION

l ne	to locate the selected field of corn on this map. County Name			Office State County		S Co	ode	
1.	What county is the selected corn field in?				0010			
		the coordinates for the center of the selected field. The using the aerial imagery that this is the correct field.] The this study. We will contact you in February or March 2022 to collou.						
			LATITUDE		LONGITUDE			
	a. Field location	9854		9855				
			decimal		decimal			
cal	I you then to set up a time that is good for you receive the complete results of this survey on		·			ot it.	• • •	
	·							
2.	To have a summary emailed to you at a later enter your email address.	date, please	1095					
					Н	Н	М	М
					0005			
3.	Ending time [Military]							

Record Use

4. [Did respondent use farm/ranch records to report--]

Code	Code	Code
Yes=1 [fertilizer data] No=3		jority of this Yes=1 No=3
Supplements Used		
5. [Record the total number of each type o	f supplement used to complete this interview.]	
Number 0041 Fertilizer Supplement	Pesticide Supplement Field	Number 0043 d Operations
Operation Email: (if different from above)	Oper	ration Phone:
9937	9936	check if cell phone
Respondent Name:	Respondent Phone (if different from a	bove)
9912	9911	check if cell phone Date:

This completes the survey. Thank you for your help.

	OFFICE USE									
R. Unit	Ptr 1 Str	Ptr 2 Str	Ptr 3 Str	Ptr 4 Str	OPS	SSO 1	ADJ	Optio	nal Use	
9921	9922	9923	9927	9928	923	9907	922	9906	9916	
Response		Respo	ondent Mode		Enum.	POID				
1-Comp 2-R 3-Inac	9901	1-Op/Mgr 2-Spouse 3-Acct/Bkpr	9902	2-PATI (tel) 3-PAPI (Face-to- Face)	9903	9998	9989			
4-Office Hold		4-Partner 9-Other		,			Eval. 9900	9985	Change	