### AGRICULTURAL RESOURCE MANAGEMENT SURVEY

OMB No. 0535-0218 Approval Expires: 6/30/2026 Project Code: 906 SurveyID: 2054 Phase 2



#### **USDA/NASS**

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### **SOYBEAN PRODUCTION PRACTICES AND COSTS REPORT FOR 2023** ID **SUBTRACT** VERSION TRACT C-TYPE 01 120 CONTACT RECORD **NOTES** DATE TIME The information you provide will be used for statistical purposes only. Your response will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal laws. For more information on how we protect your information please visit: https://www.nass.usda.gov/confidentiality. Response is voluntary. According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0218. The time required to complete this information collection is estimated to average 65 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. H H M M**SCREENING BOX** BEGINNING TIME 0004 0006 [MILITARY] \_\_\_ \_\_\_ Check if verified POID \_\_\_ \_\_ \_\_ \_\_\_\_ Check if verified POID \_\_\_\_\_\_\_\_\_ Name: Name: Address: City: \_\_\_\_\_ State: \_\_\_\_ Zip: \_\_\_\_ City: State: Zip: check if check if cell phone cell phone Check if verified POID \_\_\_\_\_ Check if verified POID \_\_\_\_\_\_ City:\_\_\_\_\_ State: \_\_\_\_ Zip: \_\_ City: \_\_\_\_\_ State: \_\_\_\_ Zip: \_\_ check if

cell phone

Phone: ( )

Phone: (\_\_\_\_\_)

# **SOYBEAN FIELD SELECTION**

L	ı
•	7

					lotal Planted Acres
1	Ца	w many total carea of saybeans did this an	oration plant for the 2022 aren year	2	0050
		w many total acres of soybeans did this op			
IT I	no a	cres were planted, review Screening Surve	ey information Form, make notes, th	en go to back page	
				.,	Code 1 4000
	a.	Did you produce any acres of certified org	anic soybeans?	Yes = : No = :	·
	b.	Of the total (item 1) acres, how many were	e planted using/as —		
		, ,		Total Acres	Number of Fields
		i. Conventional soybeans?		4001	4002
		•		4003	4004
		ii. Certified organic soybeans?		· <u> </u>	_
I۷	vill fo	ollow a simple procedure to make a randor	n selection from the soybean fields រុ	planted for the 202	3 crop.]
					Total Number Of Fields Planted
2.	Wh	at is the total number of soybean fields tha	at were planted on this operation? [If	only one field,	0020
	ent	er "1" and go to item 4.]			
3.	[No	w, I need to identify a soybean field to be	used for this survey.] The soybean	field pre-selected f	or this interview is
		1 Northern most field			
		<sub>2</sub> Southern most field			
		₃ ☐ Eastern most field	Field description:		
		4  Western most field			
		<sub>5</sub> Northeastern most field			
		6 ☐ Southeastern most field			
		<sub>7</sub> Northwestern most field			
		8 Southwestern most field			
١.	will	e field selected is (field be about this selected soybean field. sure the operator can identify the selected	name/number/description). During t d field.]	his interview, the s	oybean questions
5.	For	the randomly selected field above, please	provide the following Farm Service	Agency (FSA) ide	ntifiers:
of s S nui	stati A ad mbe	g this information helps USDA make better stical analysis that can be done with the re Iministrative fields, please include the farm rs are field identifiers that USDA uses to a vation programs.]	sponses from this survey. If the phy n, tract, and field number for the larg	rsical field in this ຣເ est administrative f	urvey spans multiple field. These ty programs, and
				107	Number
	a.	Farm Number (up to 8 digits)			
	b.	Tract Number (up to 7 digits)		107	1
				107	2
	C.	Field Number (up to 4 digits, exclude subf	ield letters)		
					OFFICE USE

4				0000		1301	Acres
1.	How many acres of soybeans did to	nis operation plant in the se	lected field for the	2023 crop?		·I 	<u>-</u> -
							Code
	Are the acres in the selected field certified organic soybean produce.			Yes, Certified Orga Yes, Transition		2	
[If	item 1a = 1 or 2, then ask—]						ars & Cents er Acre
	b. What was the cost, per acre, fo	r third party organic certifica	ation?			1891	·
		1 owned by this operation?					
2.	Were the acres in the selected	<ul><li>2 rented for cash with the pay</li><li>3 rented for cash with the pay</li></ul>	ment being a flexib			1302	Code
	field—	4 rented for a share of the cro 5 rented for some combinatio 6 used rent free?		of the crop?			
[lf	field is cash rented (item 2 = 2, 3, or	5), ask item 3, otherwise go	o to item 4.]				rs & Cents er Acre
3.	What was the cash rent paid per ad	cre for this 2023 soybean fie	eld?			1303	·
[lf	field is share rented (item 2 = 4 or 5)	), ask—]				P	ercent
4.	What was the landlord's share of the	ne crop from the selected fie	.ld?			1304	
[lf	field is rented (item 2 = 2, 3, 4, 5, or	6) ask—]					
-	What was the total cost for all input	, -	for the 2023 crop	Dollars & Cents			
	on the selected field? INCLUDE the fertilizer, chemicals, technical servi irrigation. EXCLUDE real estate ta	ces, custom operations, dry	ing, and	per Acre 1305	OR	Tota 1306	al Dollars
	landowner	•		· <u> </u>			
			•				Year
						1312	
6.	What year did you (the operator lis	ted on the label) start opera	ting the selected f	ield?		-	
							D D Y Y
7	On what date was the selected field	d nlanted?				1308	
٠.	On what date was the selected liek	a plantoa:					els per Acre
						1311	is per Acre
	a. What was your yield goal at pla	nting for the selected field?					
8.	On the selected field, what was the	source and cost of —		Unit Code 1 = Pound			
	INCLUDE			4 = Bushel 22 = Acres			
	<ul><li>operator, landlord, and con</li><li>cost of seed treatment and</li></ul>		Dollars & Cents per Unit	23 = 50 lb bag 24 = 140,000 Seed	Units		ent of Seed Planted
	a. GMO/GE purchased seed?		1214	1215		1216	
			1217	1218		1219	
	b. Non-GMO/GE purchased seed	l?		-			
						1318	

c. Homegrown seed?.....

[If item 8c is greater than zero, continue. Otherwise go	o to item 9.]	Dollars & Cents per Pound
d. What was the cost per pound for cleaning and	treating this seed?	3321
d. What was the cost per pound for occaring and	Units	Unit Code 1=Pounds/Acre 2=Cwt/Acre 4=Bushels/Acre 25=Seeds/Acre 38=Seeds/Foot
	1313	2314
9. What was the seeding rate per acre the first time to	he selected field was planted?	
	1 Drilled?	Code 1316
a. Was the soybean seed—	2 Planted in conventional rows?	1010
[If drilled or planted (item 9a = 1 or 2), ask—]		Inches
		1322
10. What was the average soybean row width for the s	selected field?	A = == =
11. How many acres in the selected field had to be rep	planted to sovhean? (Acres replanted = Number of	Acres
Acres x Number of times replanted.)		·_
		Code
	<ul><li>1 Treated with a pesticide prior to purchase?</li><li>2 Treated with a pesticide after purchase?</li></ul>	3062
12. For the 2023 soybean crop, was the soybean seed		
[If item 12 = 1 or 2, continue. Otherwise go to item 13.	Seed Treatment Name	
What was the name of the seed treatment? [Write seed treatment name in the box provided.]	1289	
	e appropriate seed treatment code from the atment was applied but is not listed. Enter "–1" if the	Code 2325
		Code
12. For the 2022 coulogo groundid you plant a comm	Yes=1	2340
13. For the 2023 soybean crop, did you plant a comme [If item 13 = 1, ask—]	ercial seed product on the selected field? No=3  Commercial Seed Product Name	
a. What was the name of the seed product?	2342	
[Write seed product name in the box provided.]	]	
b. What was the seed product code? [Enter the a		Code
·	rchased but is not listed. Enter "–1" if the product is	2343
14. For what reasons did you choose this commercial	seed product? (Select all that apply.)	
	High Protein content 4007 Pest resistance	
	Resistance to herbicide drift 4010 Other (Specify:	
	rom nearby fields	)
		Code
15. Were the soybeans from the selected field sold (or specifically for non–genetically modified soybeans		2383
[If item 15 = 1, ask—]		Dollars & Cents per Bushel
What was the price premium (or the expected genetically modified soybeans?	premium if not yet sold) received for these non–	2384

Last time soybeans

		2023	were planted
		Yes = 1 No = 3	Yes = 1 No = 3 N/A = 4
16. Did you plant genetically modified organism/genetically engineered soybeans in the selected field for 2023 or the last time soybeans w		2300	2301
[If item 16 = 1 for either year, continue. Otherwise go to item 18.]	•	2023	Last time soybeans
17. Did the soybeans planted on the selected field have any of the foll	owing genetically	2023	were planted
modified organism/genetically engineered (GMO/GE) traits in 2023	3 or the last time	Yes = 1	Yes = 1 No = 3
soybeans were planted?			N/A = 4
a. Churhanata talaranas (a.g. Baundun Baadus)		2306	2307
a. Glyphosate tolerance (e.g. Roundup Ready®)		2312	2313
b. Glufosinate tolerance (e.g. LibertyLink®)		-	2313
2. Caroniaco (c.g,,,		2310	2311
c. Dicamba tolerance (e.g. Xtend®)			
		2330	2331
d. HPPD tolerance (e.g. Balance®, MGI)			
		4011	4012
e. 2, 4–D tolerance (e.g. Enlist®)			
f. High-oleic sovbeans (e.g. Plenish®, Vistive Gold®)		4013	4014
f. High-oleic soybeans (e.g. Plenish®, Vistive Gold®)	•••••	2023	Last time asylvages
		2023	Last time soybeans were planted
18. Did the soybeans planted on the selected field have any of the following		Yes = 1	Yes = 1 No = 3
2023 or the last time soybeans were planted?		. No = 3	N/A = 4
0 1/2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	OLTO)	2332	2333
a. Sulfonylurea tolerance (e.g. Sulfonylurea Ready, SR, STS®, B	OLI®)		
b. Soybean cyst nematode resistance (e.g. SCN)		2334	2335
b. Coybean cycl nomalode resistance (e.g. Cory)		4015	4016
c. Soybean sudden death syndrome resistance (e.g. SDS)			4010
, , ,		2336	2337
d. Phytophthora root–rot resistance (e.g. PRR)			
		2338	2339
e. Aphid resistance (e.g. Rag1, Rag2)			
			Code
40 11-1 - 1		Yes = 1	1328
19. Has harvest of the selected field been completed?		No = 3	
[Now I need information about the acres harvested or to be harvested	and the yields from	n the selected field	d.]
•			Unit Code
		What yield per acre d you get or do you	id 1 Pounds 2 Cwt
20. How many cares in this saybeen field were or will be		expect to get for	3 Tons
20. How many acres in this soybean field were or will be—		soybeans–	4 Bushels
	Acres	Units per Acre	Code
a. harvested for grain?	1346	1347	1348
•	1431	1432	1433
b. harvested for commercial seed contract?		•_	_
	1351		
c. abandoned?	•		

Crop Code List for item 21 – Previously Planted Crops				
190 Barley	311 Grasses including clover	22 Rye (cereal)	34 Annual ryegrass	
6 Corn for grain	1 Hay, alfalfa	240 Sorghum, all	318 No crop planted	
5 Corn for silage	11 Hay, all other	26 Soybeans	291 Other field crop	
283 Cotton, all	15 Oats	263 Wheat, spring	292 Other crop	
302 CRP	21 Rice	165 Wheat, winter	312 Cover crop mix	

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

1			2	3	4
What crops were planted on the selected field in—  [For perennial crops, (1, 11, 292, 302, and 311) report the crop code in all seasons when the crop was growing.]		Was this a cover crop?	If a cover crop was planted, how did you terminate this cover crop?	Was the selected field no–till or strip–tilled? <sup>1/</sup>	
Season and Year	Crop Name	Crop Code	Yes=1 No=3	1 Tilled-in 2 Herbicide 3 Rolled 4 Grazed 5 Harvested for forage 6 Harvested for grain 7 Winter killed  Code	Yes=1 No=3
- On the officer of the original of the origin	SOYBEANS				1344
a. Spring/Summer of 2023?	SUTBEANS				
b. Fall of 2022?		1343	1470	1471	1345
c. Spring/Summer of 2022?		1369	1472	1473	1371
d. Fall of 2021?		1372	1474	1475	1374
e. Spring/Summer of 2021?		1375	1476	1477	1377
f. Fall of 2020?		1378	1478	1479	1380
g. Spring/Summer of 2020?		1381	1480	1481	1383
h. Fall of 2019?		1366	1482	1483	1368
i. Spring/Summer of 2019?		1340	1484	1485	1342

<sup>1/</sup>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	a co	over crop was planted in Spring/Summer/Fall 2022, ask—]	Dollars & Cents per Acre
	j.	What was the seed cost per acre for the cover crop?	1468
	k.	What was the per–acre cost–share or financial assistance payments received for the cover crop? If no program payment was received, enter zero	1495
00	1 - 4	this field managed under an NDCC approved appearantion plan for highly available land	

22. Is this field managed under an NRCS-approved conservation plan for highly erodible land (HEL)? (All fields that have been designated as HEL by USDA, and that are being actively farmed, are required to have soil conservation plans under the conservation compliance program.)......

23. Does the selected field contain a wetland? Wetlands are subject to Wetland Conservation (WC) or "swampbuster" requirements. Producers who receive farm program payments must refrain from draining wetlands to make them ready for crop production......

Yes=1 No=3 1405 Yes=1 No=3

		<u>7_</u>		_	
			Nearly level (0 – 2%)		Code
24	\//h	set in the alone of the colocted field?	Even, moderate grade (3 – 9%) Variable, moderate grade		2400
<b>4</b> -	V V I I	·  4	Even, steep grade (10% or more) Variable, steep grade		
		<u> </u>	1 Loam		Cada
			2 Clay		Code 2401
25.	Wh	at is the primary soil type of the selected field?	3 Sandy 4 Mixed		
			5 Silty		
					Unit Code 1 Currently a concern
26.	In t	he selected field, are any of the following currently or hist	orically a concern?		2 A concern in the past but not anymore
					3 Not a concern
					Code 2407
	a.	Water-driven erosion			-
	b.	Wind-driven erosion			2408
	C.	Soil compaction			2409
	d.	Poor drainage			2410
	e.	Low organic matter			2411
	f.	Water quality			2412
	g.	2413			
					2415
	h.	Water availability			
[If it	tem	26a – 26h are all "Not a Concern", ask—]			Code
	i.	If the answer to all of the above was "Not a Concern", is		Yes=1	2414
		significant concerns on this field?		No=3	0.4
					Code 2402
27.	Did	the land use practices for the selected field include subs	urface drainage?	Yes=1 No=3	2402
[If it	tem	27 = 1, continue. Otherwise go to item 28.]			Year
	_	In what year was the current subsurface (tile) drainage in	actallad?		2403
	a.	in what year was the current subsurface (the) drainage in	istalieu :		
					2604
	b.	What is the average depth of your draining system?			
	C.	What is the average or most common diameter of your to	iles?		2605
	<b>J</b> .	This is the dverage of most common diameter of your t			Code
	d.	Does this system include a mechanism for controlled dra	ainage (e.g. stop logs, risers,	Yes=1	2406
		or float mechanisms)?		No=3	
	e.	Does this drainage system have surface inlets?		Yes=1 No=3	2719
			1 An open, single stage ditch 2 A natural waterbody		Code
			3 A saturated buffer 4 A retention pond		2720
	f.	Where does this system empty?	5 Another type of receiving system		

28.		s the selected field ever been in any conservation contracts for which you or your landlord received expected to receive) cost–sharing payments, stewardship payments, or incentive payments?	Unit Code 1 Current 2 Past 3 Never
	a.	Environmental Quality Incentive Program (EQIP)	2611
		Conservation Security or Conservation Stewardship Programs (CSP)	2612
	C.	Conservation Reserve Program (CRP)	2613
	d.	Other Federal, State, Local or non–government source	2614
			Code
29.		ring the last four years, did you apply for conservation funding, either through any Federal, Yes=1 te, or local program, for the selected soybean field?	4017

30. [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. Please check any practices or activities that you used on the selected field this year or any time in the past.

On-field Soil and Crop Management	<sub>10</sub>	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.	32 Targeted sprayer – electrical control
₃ Cover crop – single species	<sub>21</sub> Precision nutrient application	Adjacent to Field
₄☐ Cover crop mix	22 Subsurface phosphorous application	33 Filter strip
<sub>5</sub> Contour farming	No fertilizer application more than 30 days before planting	₃₄ ☐ Field border
6 ☐ Conservation crop rotation	Controlled release or enhanced efficiency fertilizer	₃₅  Riparian buffer – grass or forest
<sub>7</sub> ☐ Laser leveling	Split nitrogen application with at least 50% applied after planting	₅₀ ☐ Irrigation water management plan
		99 None of the above
		601.611

b. For each practice or activity checked in 30a, please complete one line of this table. [Enumerator Note: If "99: None of the above" was selected, report code "99" in the first row (item 1610).]

[Endinerate Note: II 55: No	1			
1	2	3	4	5
			What financial assistance (cost	
			share) has been received for this	help satisfy —
		field in 2023?	practice on this field?	
		1 Used in 2023	1 Received a payment in 2023	1 A federal, state, or local
	Practice Code	2 Not used in 2023 but	from EQIP, CSP, or similar	regulatory requirement
Practice or Activity on the Selected Field	(see item 30a)	used in earlier years	program 2 Did not receive a payment in	2 Highly erodible land
	(555 1.5.11 554)		2023 but have in earlier years	conservation compliance 3 Does not relate to any
			3 Have never received a	regulation or compliance
			payment for this practice	requirement
			paymont for time practice	1 oquilonioni
	Code	Code	Code	Code
	1610	1614	1612	1613
	1615	1619	1617	1618
	1000	1004	1000	4000
	1620	1624	1622	1623
	1625	1629	1627	1628
	1630	1634	1632	1633
	1635	1639	1637	1638
	1000	1000	1007	1000
	1640	1644	1642	1643
	1645	1649	1647	1648
	1050	1051	4050	4050
	1650	1654	1652	1653
	1655	1659	1657	1658
	1,000		4000	4000
	1660	1664	1662	1663
		l	J	

	(	Code					
		ed field covered by a single or named perilireeze, etc.)?		1393			
[If item	31 = 1, continue. Otherwise, go to ite	m 32.]		(	Code		
		lected field covered by more than one sing replant, wind, freeze)?		2721			
					rs & Cents er Acre		
		age per acre for the single peril policy cove		1395	·		
C.		for the single peril policy covering the sele-		2722	·		
d.		the single peril policy covering the selected			ercent		
e.	2724	Code					
				(	Code		
32. In 2023, were the soybeans in the selected field covered by a multi–peril federal program that provided protection against yield or revenue losses? These include crop insurance and crop Yes=1 No=3							
	32 = 1, continue. Otherwise go to Se						
		1 Federal CAT (basic catastrophic insurance) 2 Yield Protection (YP) 3 Revenue Protection (RP)		1386	Code		
	What type of multi–peril coverage did you obtain?	4 Other multi–peril crop insurance		1000			
[If item	32a = 2, ask—]			Р	ercent		
	i. What percent of yield coverage d	id you select for the selected field?		1387			
	ii. What percent of price coverage of	lid you select for the selected field?		1388			
[If item	32a = 3, ask—]			Р	ercent		
	iii. What percent of revenue coverage	ge did you select for the selected field?		1389			
b.		urchase for the multi–peril policy on the	1 Basic 2 Optional 3 Enterprise	2524	Code		
		ted on the label, first purchase multi–peril c		2525	Year		
the selected field?  d. What is the 2023 Approved APH (actual production history) yield for the selected field?							
e. What was the premium paid for multi–peril crop insurance for the selected field in 2023?  EXCLUDE any administrative fee							
					Code		
f.		ity payment for the selected field from multi		2528			

C			NUTF	RIENT	or FERTII	LIZER A	PPL	LICATION	18	— SELECTED I	FIELD		
1.	2023 soy	/bean cro	p? INCL	UDE tho	zers applied se from ope	erators, la			he	Yes=1 0202 No=3	Code	Office Use Edit Table	
ΓIf	item 1 = 1	l continue	e. Otherw	ise ao to	item 61					140-3		Number	
2.	How ma	ny comm	ercial nut	rient or fo	- ertilizer app					elected field for		0203	
3.	Now I ne	eed to rec	ord inform	mation fo	r each app	lication.							
				CHECK	LIST								
	INCLU			<b>.</b>		_UDE							
<u> </u>		applied nu				onutrients ocessed ma	anure						
	$\perp$ fall of 20	s or fertiliz 022 and the lected field	ose applie	d earlier	Nutrie	ents or ferti ous crops i	lizers	applied to					
	Comme compos	rcially prep t	oared man	nure or	Lime	and gypsu	m/lan	dplaster		Office Use Lines in Table	Table 001	0299	
	Nitrog	en Codes	for Colum	n 2 Source	e/Form of N	Used			Α	application Codes	for Column 6	6	
1 Anhydrous ammonia 2 Nitrogen solution (UAN) 3 Urea 7 Potassium nitrate, magnesium nitrate, calcium nitrate 5 Sodium nitrate 8 Other nitrogen fertili material [specify:				e, ite, and ertilizer	1	2 B 3 B		und	without incorporatio with incorporation aft	6 Chisel/in 7 Banded i	on water jected or knifed in in or over row directed spray		
			2			3	4!4	4		5	6	7	
	Materials Used [Enter percentage analysis or actual pounds of pla					What qua	d per	[Enter mate code]	eriai	When was this applied?	How was this applied?	How many acres in the selected field we	
L N E	nutrients applied per acre.] [Show Common Nutrients or Fertilizers in Booklet] [Refer to nitrogen list above for type of nitr				·	column blank actual nutrier were reporte		[Leave this column blank if actual nutrients were reported]  1 Pounds 12 Gallons 13 Quarts 19 Pounds of		of	1 In the fall before seeding 2 In the spring before seeding	[Refer to code list above]	treated in this application?
_	N Nitrogen	P <sub>2</sub> O <sub>5</sub> Phosphate	K₂O Potash	S Sulfur	Source/Form of N Used [Refer to code list above]		,	actual nutrients		3 At seeding 4 After seeding		Acres	
01	31	32	33	34	35	36		37		38	39	40	
02	31	32	33	34	35	36		37		38	39	40	
03	31	32	33	34	35	36		37		38	39	40	
04	31	32	33	34	35	36		37		38	39	40	
05	31	32	33	34	35	36		37		38	39	40	
06	31	32	33	34	35	36		37		38	39	40	
07	31	32	33	34	35	36		37		38	39	40	
08	31	32	33	34	35	36		37		38	39	40	
09	31	32	33	34	35	36		37		38	39	40	
10	31	32	33	34	35	36		37		38	39	40	
							_						

			Code
4. W	ere any nutrients or fertilizers applied by custom applicators?	Yes=1 No=3	0214
	n 4 = 1 continue. Otherwise go to item 5.]		Code
-	Are you able to report the cost of nutrient or fertilizer materials and custom application separately?	Yes=1 No=3	0216
[If iten	n 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 applic fertilizers on the selected field?	cation	of nutrients or
	INCLUDE  • operator, landlord, and contractor costs  Dollars & Cents		
	<ul> <li>operator, landlord, and contractor costs</li> <li>costs for sulfur and micronutrients</li> </ul> Dollars & Cents per Acre	OR	Total Dollars
	EXCLUDE custom application of lime, gypsum, purchased manure, and purchased compost	_	0220
[If mat	terial and application costs can't be separated, exclude them here and record the total in item 5	.]	
5. W	hat was the total cost of all nutrient or fertilizer products applied to the selected field?		
	<ul> <li>INCLUDE</li> <li>operator, landlord, and contractor costs as well as the costs for sulfur and micronutrients</li> </ul> Dollars & Cents per Acre	OR	Total Dollars
	<ul> <li>materials applied to the selected field if it was fallow in 2022</li> <li>EXCLUDE lime, gypsum, purchased manure, and purchased compost</li> </ul>	_	0222
	tom applied and the cost of materials can be separated from application costs, include the cost vise, include both the material and application costs.]	of ma	terials only,
			Code
6. Wa	as gypsum applied to the selected field for the 2023 soybean crop?	Yes=1 No=3	0218
7. W	as a soil test for soil organic matter performed on the selected soybean field at some point in e last 10 years?	Yes=1 No=3	3225
[If iten	n 7 = 1, ask—]		Percent
а.	What was the percentage of soil organic matter on the selected field for the most recent test?		3226
۵.	The trace are personage of our enganne matter on the objection here has most recent took.		Number
		•	3227
	How many times have you tested the selected field for soil organic matter in the last 10 years'	?	
[If iten	n 7b is more than 1, ask—]		Code
C.			3228
	3 Staying roughly the same?		Code
	as a soil or plant tissue test performed on the selected soybean field in 2022 or 2023 for the 123 crop?	Yes=1 No=3	0224
[If iten	n 8 = 1, continue. Otherwise go to item 13.]		Code
	as a soil test for phosphorus performed on the selected soybean field in 2022 or 2023 for the 123 crop?	Yes=1 No=3	0225
[If iten	n 9 = 1 ask—]		Pounds per Acre
a.	How many pounds of phosphorus per acre were recommended by the phosphorus test?		0226

					Code
	as a soil test for nitrogen performed on the			Yes=1 No=3	0227
[If iten	n 10 = 1, ask—]				Pounds per Acre
a.	How many pounds of nitrogen per acre	were recommended by the nitroge	n test?		0228
					Code
	as a plant tissue test or leaf analysis for n 22 or 2023 for the 2023 crop?			Yes=1 . No=3	0229
			Dollars & Cents per Acre	OR	Total Dollars
	ow much was spent for these soil and plar ld? INCLUDE operator, landlord, and cor		0230		0231
[If test	s were done at no cost, continue. Otherw	ise go to item 12b.]			
		Soil/plant tissue test provided free dealer, crop consultant, or extensi			Code 0232
a.	What is the reason why tests were done at no cost?	2 Soil/plant tissue test costs were in total fertilizer costs reported in ite	cluded in the		0232
		3 Some other reason			Code
b.	Did you receive a payment from a conse performing a soil or plant tissue test?			Yes=1 No=3	3231
	nerator Action: Refer to the Fertilizer Table itrogen applied, go to item 15.]				
	as the amount of nitrogen you decided to	annly to the selected field based o	ın		Codo
13. VV	as the amount of fillrogen you decided to	apply to the selected field based of	·		Code 0233
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	0236
e.	Cost of nitrogen and/or expected comm	odity price?		Yes=1 No=3	0237
f.	Contractor recommendation?	•		Yes=1 No=3	
				Yes=1	
g.	Routine practice – operator's own determent	mination based on past experience	e, yield goal, etc.?.	. No=3	
	hich of the following products did you e to slow the breakdown of nitrogen on	<ul> <li>Nitrification inhibitors (such as N–8</li> <li>Urease inhibitors (such as Agrotai</li> <li>Chemical–coated fertilizers (such as N–8</li> </ul>	n)		Code 0241
	s field?	urea and polymer–coated urea) 4 Other inhibitors 5 None			
[If nitro	ogen inhibitors were used, continue. Othe	rwise go to item 15.]	Pounds per Acre	OR	Gallons per Acre
a.	How much nitrogen inhibitor did you mix the selected field?	with the nitrogen applied to 256	-	25	62
			Dollars & Cents per Pound	∟ OR	Dollars & Cents per Gallon
b.	What was the cost of nitrogen inhibitors operator, landlord, and contractor costs.		<u> </u>	02	

						(	Code
1 <i>E</i> la	lines aver emplied to the colorted	£-140			es=1	0242	
	• •	field?			No=3		,
[II Iter	m 15 = 1 continue. Otherwise go t	o item To.j				0243	Years
a.	. On average, how many years a	re there between applications of lime to the	select	ed field?		0243	
						Tons	per Acre
b.	. How many tons of lime were ap	pplied per acre the last time it was applied to	the se	elected field?.		0244	<u>-                                      </u>
						(	Code
•	Was lime applied to the solecto	d field in 2022 or 2022 for the 2022 gran?		١	es=1	0240	
C. 16 W	• •	d field in 2022 or 2023 for the 2023 crop? d) manure from own farm, from a neighbor's			N0=3	L	Code
		mpost, applied to the selected field for the 2				0246	
cr	op?			,	Yes=1		
	• • •	manure			No=3		
[IT ITER	m 16 = 1 continue. Otherwise go t	o Section D.J				0247	Acres
a.	. To how many acres in the selec	eted field was manure or compost applied?				0247	
				Units per ac	re	Unit ( 1 Tons 2 Gallon 3 Bushe 4 Cubic	ls
h	What was the amount of manua	e or compost applied per acre to the selecte	٠ <b>٠</b>	0249		0248	<u> </u>
υ.				•			
C.	•						
	was the percent of manure or c	ompost applied—					ercent
	i. in the fall before planting?				. +	0254	
	ii. in the spring before planting	j?			. +	0255	
	iii. after planting?				. +	0256	
					_ =	1	00%
				oon liquid?		1	Code
d.	. Was the manure or compost—.			ry liquid? ni–dry or dry?	<u></u>	0257	
		1 Broadcast or sprayed without incorporation?				(	Code
e.	. Was the manufe of	2 Broadcast or sprayed with incorporation? 3 Injected/knifed in?				0258	
	compost—	4 Sprayed using irrigation systems?					
f.	Was the major source of	1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids – municipal sludge? 8 Food waste? 9 Other? Specify:				0259	Code

			1 Produced on this operation?					Code
	١٨/-		<ul><li>2 Purchased?</li><li>3 Obtained at no cost off this operation?</li></ul>				0260	
g.	vva		4 Obtained with compensation (operator					
			received payment for accepting the manure	e)?				
[If item	160	g = 2, continue. Otherwise go to	o item 16h.1					
•	-	,		Dolla	rs & Cents			
					er Acre	OR	То	tal Dollars
	i.	What was the total cost of the	purchased manure or compost applied	0284			0285	
	١.		purchased manure or compost applied					
					<del></del>	_		
		INCLUDE	d					
		<ul> <li>operator, landlord, and</li> <li>any payment made for</li> </ul>						Ondo
		<ul> <li>any payment made fo</li> </ul>	i transportation costs					Code
	::	Did bins same to such				Yes=1	0286	
	II.	Did you nire someone to custo	om apply the manure or compost?			No=3		
[If item	160	gii = 1, ask—]						
					rs & Cents	OR	_	
			aid to have manure or compost custom		er Acre	UK 1		tal Dollars
			d? INCLUDE operator, landlord, and	0287			0288	
		contractor cost			·			
[Do no	t rep	oort custom application cost if it	was included with the purchased manur	e or cor	npost cost	.]		
								Miles
h	\	est is the distance in miles betw	year the manure or compact storage/pro-	duction	location on	d tha	0291	
11.			reen the manure or compost storage/prod			id trie	0231	
	301							
								Code
i.			to the selected field, was any tested for			Yes=1	0261	
	pric	or to application?				No=3		
j.			ercial nitrogen fertilizer on the selected fie			Yes=1	0262	
	to r	manure or compost application	?			No=3		
[]f 16i -	- 1	ack 1						Danasant
[If 16j =								Percent
	i.		ce the commercial nitrogen fertilizer appli				0263	
		selected field?			•••••			
								Code
	ii.	Did you adjust the sovbean ha	arvest date for the selected field due to th	e applic	ation of	Yes=1	0280	
						No=3		
		·						Code
							0004	Code
			ion rates to the selected field influenced			Yes=1	0264	
Sia	ile, (	or local restrictions?				No=3		
[If item	17	= 1, ask—]						
а	Wh	nat basis was used to determine	e these manure application rate restriction	ns—				Code
u.			application rate rectification	<del>-</del>			0265	7045
	i.	Nitrogen requirement of the cr	op?			Yes=1 No=3	0200	
	••	ogon roquiromont of the or	σ <b>ρ</b>				0000	
	ii.	Phosphorus requirement of th	e crop?			Yes=1	0266	
	п.	i mosphorus requirement of th	e oroh:			No=3	1	

$\overline{}$

Now I have some questions about all the biocontrols or pesticides used on the selected field for the 2023 soybean crop, including both custom applications and applications made by this operation.

Office Use Code

Code

Office Use

[Probe for applications made in the fall of 2022 and those made earlier if the selected field was fallow.]

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

INCLUDE defoliants, fungicides, herbicides,	EXCLUDE	adjuvants, nutrients or fertilizers	† 			
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 OI	<del>7</del>	8
Chemical Product Name	L I N E	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
	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 the 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 in7 Banded in or over row
- 8 Foliar or directed spray
- 9 Spot treatments

	9	10	11	12	13	14
	How was this product applied?			Were these applications made by —	What was the cost per unit of the product?	
		with this product?	п аррпси:	made by —	unit of the product:	[Enter unit code]
	[Enter code from above.]					1 Pounds 12 Gallons 13 Quarts
L I N				<ul><li>1 Operator, partner, or family member?</li><li>2 Custom applicator?</li></ul>		14 Pints 15 Liquid Ounces 28 Dry Ounces
Ē		Acres	Number	3 Employee/Other?	Dollars & Cents per Unit	30 Grams
01	76	77	79	80	81	82
00	76	77	79	80	81	82
02		•			•	
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
[lf i	tem	3 = 1 continue. Otherwise go to item 4.]			Code
	a.	Are you able to report the cost of chemical, biocontrol, and pesticide produ application separately?		Yes=1 No=3	0324
[lf i	tem	3a = 1, ask—]			
	h	Evaluding the east of the chamical biscontrol and pacticide products	Dollars & Cents per Acre	OR	Total Dollars
	D.	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	nat was the total cost of all chemical, biocontrol, or pesticide products blied to the selected field? INCLUDE operator, landlord, and contractor	Dollars & Cents per Acre	OR	Total Dollars
	age	ets, defoliants, herbicides, insecticides, fungicides, surfactants, wetting ents, growth regulators, and materials applied before planting and during 22 fallow period. EXCLUDE seed treatments	0334		0335
			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
		•	Dollars & Cents per Acre	OR	Total Dollars
	C.	How much was spent for fungicide products applied to the selected field? INCLUDE operator, landlord, and contractor costs	3038		3039
Not	:: :e:	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	for mate	erials only.

Now I have some questions about your pest management decisions and practices used on the selected field for the 2023 soybean crop. By pests, we mean weeds, insects, and diseases.

[En	numerator Action: Were pesticide applications rep	oorted in Section D?]			
	☐ Yes – Continue ☐ No – Go to item 6			_	Code
1.	Were weather data used to assist in determining applications?		Yes=1 No=3	0800	
2.	Were any biological pesticides such as Bt ( <i>Bacill</i> neem or other natural/biological based products selected field?	n the	Yes=1 No=3	0801	
3.	Were pesticides with different mechanisms of ac purpose of keeping pests from becoming resista		-	Yes=1 No=3	0802
	numerator Action: Were herbicide (pesticide prod Section D, item 1, column 2?]	uct codes 40000–49999) applications	reported	_	
	☐ Yes – Continue ☐ No – Go to item 6			_	Code
4.	Were herbicides applied to the selected soybear	field before weeds emerged?		Yes=1 No=3	0803
5.	Were herbicides applied to the selected soybean	ı field after weeds emerged?		Yes=1 No=3	0805
6.	Were records kept for the selected field to track to diseases?			Yes=1 No=3	0823
7.	Did you use published information on infestation measures to manage pests in the selected field?		Yes=1 No=3	1824	
0	In 2002, however the colored field wine with	1 By deliberately going to the field specifically scouting activities [Enter code 1 and go to it		_	Code
ο.	In 2023, how was the selected field primarily scouted for insects, weeds, diseases, and/or beneficial organisms?	By conducting general observations while proutine tasks [Enter code 2 and go to item	10.]		0808
	· ·	3 The selected field was not scouted. [Enter go to item 13.]		Г	Code
9.	Was an established scouting process such as sy or were insect traps used in the selected field?			Yes=1 No=3	0809
10.	Was scouting for pests done in the selected field	due to —		_	Code
	a. a pest advisory warning?			No=3	0810
	b. a pest development model?			Yes=1 No=3	0811
[lf s	scouted by crop consultant or commercial scout, a	ask item 11. Otherwise go to item 12.	l		
		D	ollars & Cents per Acre	OR	Total Dollars
11.	How much was charged for the scouting services INCLUDE operator, landlord, and contractor cost		1 •		0822
	M				Office Use
	If scouting performed at no cost, explain:		1		0333
					Code
12.	Were scouting data compared to published information when to take measures to manage pests in the s			Yes=1 No=3	0824
13.	Did you use field mapping of previous weed prob management decisions?			Yes=1 No=3	0825

	20 If you do any of the following other types of pest management for the specific purpose of an anaging or reducing the spread of pests in the selected field?		Code
	Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for the selected field?	Yes=1 No=3	0841
b.	Plow down crop residue using conventional tillage?	Yes=1 No=3	
C.	Remove/burn down crop residue?	Yes=1 No=3	
d.	Rotate crops in the selected field during the past three years?	Yes=1 No=3	
e.	Maintain ground covers, mulches, or other physical barriers?	Yes=1 No=3	
f.	Choose crop variety because of specific resistance to a certain pest?	Yes=1 No=3	
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	
j.	Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fence lines?	Yes=1 No=3	
k.	Clean equipment and field implements after completing field work to reduce the spread of pests?	Yes=1 No=3	0851
l.	Adjust row spacing, plant density, or row directions?	Yes=1 No=3	
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	
0.	Use a flamer to kill weeds?	Yes=1 No=3	0857
p.	Maintain buffer strips or border rows to isolate soybeans 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
	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
	ere floral lures, attractants, repellants, pheromone traps, or other biological pest controls used the selected field?	Yes=1 No=3	0858
[If item	15 or item 16 = 1, ask—]		
a.	What were the total materials and application costs for all biological pest controls for the selec	cted fie	eld?
	INCLUDE Dollars & Cents	00	
	operator, landlord, and contractor costs     per Acre     per Acr	OR □	
	cost for beneficial organisms, insects, nematodes, and fungi     EXCLUDE biological pesticides previously reported		0860
			Code
17. Wa	as a trap crop, excluding fallow, grown to help manage insects in the selected field?	Yes=1 No=3	0863
18. Wa	as the selected field left fallow in 2022 to help manage insects on the selected field?	Yes=1 No=3	0864
tre	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 and bacteria?	Yes=1 No=3	0861

20. Was protection of beneficial organisms a factor in your pest field?			Yes=1 No=3	1765
[If item 20 = 1, continue. Otherwise go to item 21.]			.10 0	Code
a. Did you change timing of, reduce application rate of, or e	eliminate a pesticide	e application?	Yes=1 No=3	1766
b. Did you change to an alternative pesticide, biocontrol, or	non–pesticide pra	ctice?	Yes=1 No=3	1767
		Units per A	Acre	Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels
<ol> <li>If untreated (either with herbicides, tillage, or cultivation), ho bushels per acre) do you think weeds would most likely caus</li> </ol>		e.g.		2730
				Code
22. Did pests, such as weeds, insects, pathogens, or animals, c field in spite of your pest control efforts?			Yes=1 No=3	0827
[If item 22 = 1, ask—]				
How much yield loss per acre do you think was caused by all pests on the selected field in spite of the	Units per Acre	Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels	OR	Total Units
management practices you used to reduce those losses?	0829	0828		0830
				Number of Years
23. If you used GMO/GE glyphosate—tolerant seeds on the sele consecutive years you have planted GMO/GE glyphosate—to GMO/GE glyphosate—tolerant crop	olerant corn, soybe	ans, or any other		1970
				Year
a. What year did you first plant any GMO/GE glyphosate–to	olerant seeds on th	e selected field?		1971 — — — —
24. If you used GMO/GE dicamba–tolerant seeds on the selected consecutive years you have planted GMO/GE dicamba–tole glyphosate–tolerant crop	rant soybeans, or a	iny other GMO/GI		Number of Years
				Year
a. What year did you first plant any GMO/GE dicamba–tole	erant seeds on the s	selected field?		1973 — — — —
				Code
<ol> <li>On the selected field in 2023, did you observe symptoms as such as leaf cupping, an increased number of nodes, or heighted</li> </ol>			Yes=1 No=3	1974
[If item 25 = 1, continue. Otherwise go to item 26.]				Code
a. Did you report the injury to the state or local officials?			Yes=1 No=3	1981
b. Was the injury investigated by state or local officials?			Yes=1 No=3	
26. As far as you are aware, did farmers in neighboring fields ob symptoms associated with injury from dicamba in 2023?			Yes=1 No=3	Code 1976
[If item 26 = 1, continue. Otherwise go to item 27.]			1110-3	Code
a. As far as you are aware, did farmers in your county obse	erve leaf cupping or	other	V 1	1977
symptoms associated with injury from dicamba in 2023?			Yes=1 No=3	

					Code
27. As far as you are aware, did far 2023?					1978
[If item 27 = 1, continue. Otherwise	go to item 28.]				Code
a. As far as you are aware, did					1979
					Code
28. On the selected field in 2023, d such as leaf strapping, stem tw					4018
29. Have any of the following herbi	cides been used o	n the selected fiel	d in the specified y	ears since:	
1	2	3	4	5	6
A sking to one disease	2023 Yes = 1	2022 Yes = 1	2021 Yes = 1	2020 Yes = 1	2019 Yes = 1
Active Ingredients	No = 3	No = 3	No = 3	No = 3	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
d. 2, 4–D (e.g. Enlist®)	2738	2739	2740	2741	2742
					Code
				Yes = 1	2021
30. Have herbicide-tolerant seeds	been planted on th	ne selected field a	ny time since 2019		
[If item 30 = 1, continue. Otherwise	go to Section F.]				
			f column 2 = 1, ask qu	estions in columns 3 –	6
1	2 Have you noticed a	3 What was the first		cline in the effectivene	
For herbicide tolerant seeds that are tolerant of —	decline in the effectiveness of herbicides in controlling weeds in the selected field?	year you noticed a decline in 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. 2, 4–D (e.g. Enlist®)	2743	2744 — — — —	2745	2746	2747

	n Code for Jement Data
1 Incomplete/Refusal	0500

						rk performed	d by	machine	s		Check List	
on the selected field for the 2023 soybean crop. Please INCLUDE all field work using ma										achines for—		
begin with the first field operation after harvest of the previous crop, including     □ Land forming/Levee Bu										ding		
operations for a cover crop established since the previous crop was harvested. If fallow during 2022, list operations starting with fall 2021.												
	•		•		•	ng of this crop t	to sto	rage or first	t	☐ Prep	paring for Irrigation	
		point of sale							-	☐ Plan	iting	
	•	maintain the	e order of tand	dem hook-up	S.					☐ Ferti	lizer & Pesticide app	lications
				Co	des for Column	n 5				□ Har\	esting & Hauling to	storage or
				ou (the Opera artner	ator)						rst point of sale	-
				npaid Worke	r			Office U		EXCLUDE		
					or Seasonal V	Vorker			rable	i	& Gypsum/land plas	
				aid Full–time ustom Applic				0499			post & Non–comme oplications	rciai manure
1	2	3	4	5		[	[If Co	lumn 5 = co	ode 6, s	kip columns	·	
					6	7		8 C	)R	9	10	11
	S E	What operation or	[Record machine	Who was the	What was	[Record size		ow many		many total	What power	What was the
L	Q	equipment	code from	machine	the size or swath of the	unit code.]		cres were covered?		were spent nd forming	source was used? Tractors	fuel type of the tractor?
I	Ū	was used?	Respondent Booklet.]	operator?	[machine]	1 Feet 2 Row		overeu.		hauling?	1 <40 HP	[Record fuel
N E	E N			[Enter code	used?	3 Moldboard		XCLUDE		xample: khoes, disk	2 40-99 HP 3 100-149 HP	type only if
	С			from above.]		bottoms		nd forming nd hauling	bor	der maker,	4 150-199 HP	Column 10 equals 1–51
	E					Hauling 4 Pounds		perations.		cher, rear nted blade,	5 >=200 HP OR	1 diesel
						5 Bushels			trucl	ks, wagons,	66 Animal Drawn	2 gasoline 3 LP gas
						6 Tons			10	rklift etc.]	77 Pick up <sup>1/</sup> 99 Self-Propelled	4 other
No.	No.		Code	Code		Code		Acres		Hours	Code	Code
	87		88	89	90	91	92	Acres	93	Tiours	94	95
01												
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	<u> </u>	93		94	95
13	87		88	89	90	91	92		93		94	95

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

15 87

17 87

Office Use

[Enumerator Action: Were machine or equipment	t cod	es reporte	ed in item 1	?]					
4029 <sub>1</sub> Yes – Continue	3	No – Go	to item 3					Code	
Were any of the machines or equipment repoduring 2023?							/es = 1 No = 3	4030	
[If item 2 = 1, continue. Otherwise go to item 3.]									
1		2				3			
Machine purchased new in 2023		ecord mac n responde	hine code ent booklet.]	Dealer's list price of the machine. (This should be the "sticker price," not including discounts or trade–in values for used machinery.)					
		Cod	е			Dollar	rs		
4031	4032			4033					
4034	4035			4036					
4037	4038			4039					
4040	4041			4042					
4043	4044			4045					
Now I need some additional information about Please report the paid and unpaid labor that EXCLUDE labor that was reported for field	work	ed on the erformed	by machine	es.		uce the 2023 soy f worker) spend on			
			1			2		3	
		scouting for weeds, insects and diseases				irrigating?	performing other working by hand?		
Type of Workers		Hours		Hours			Hours		
You (the operator)		1101		1	102		1103		
Partner(s)		1104		1	105		1106		
Unpaid workers		1107		1	108		1109		
Paid part–time or seasonal workers EXCLUDE custom and contract labor		1110		1	111		1112		
Paid full–time workers EXCLUDE custom and contract labor		1113		1	114		1115		
4. What was the average hourly wage rate paid or seasonal hired workers on the selected fie time workers are defined as those who worker or salaries for less than 30 hours a week on a EXCLUDE custom and contract workers, pay	eld? I ed for avera	Part– r wages age.	Dollars & Ce Per Hou	(10)		Total Dollars per Week 2119	AND	Number of Hours Worked Each Week 3119	
and benefits									
<ol><li>What was the average hourly wage rate paid</li></ol>	to fu	ıll_timo	Dollars & Co Per Hou		OR	Total Dollars per Week	AND	Number of Hours Worked Each Week	
hired workers on the selected field? EXCLUI and contract workers, payroll taxes and bene	DE cı	ustom	1118			2118		3118	

Code

		Vaa=1	1116							
6. \	Was any contract labor used on the selected field?	Yes=1 No=3								
[If ite	em 6 = 1, continue. Otherwise go to item 7.]		Dollars & Cents Per Acre							
á	a. What was the average cost per acre for this contract labor?		1117							
	INCLUDE operator, landlord, and contractor costs									
	What percent of the total number of unpaid hours worked on the selected field was performed by		Percent							
	workers under 16 years of age? Estimates of labor costs for unpaid workers are based on off–far wage rates, which are different for workers under 16 relative to those 16 and older		1120							
	Now I need some information on how much was spent or will be spent for custom services used of the 2023 soybean crop.	on the	selected field for							
	1		2							
	Custom Service		luding operator,							
	Which of the following services were performed for the 2023 soybean crop on the selected field?	cont mu [c sele	landlord, and ractor costs, how ch was spent for olumn1] on the ected field for the 3 soybean 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?	1121	•							
	b. Custom cultivating?	1122	•							
	c. Custom planting and/or reseeding?	1123	•							
	d. Custom harvesting?	1124	•							
	e. Custom hauling to storage or point of first sale?	1126								
Ш	(Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre)		•							
П	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)		•							
			Code							
	Were the soybeans harvested and hauled from the selected field dried (or will be dried) before they were sold or stored?	Yes=1 No=3	2748							
	Did you hire or receive 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 10 = 1, continue. Otherwise, go to item 14.]	•								

11. 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
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 11a–g = 1, continue. Otherwise go to item 14.]		Code
12. Were any of the technical or consultant services listed in item 11a–g provided to you at no–cost or were partially reimbursed by the Natural Resources Conservation Service (NRCS)?	Yes=1 No=3	4046
13. If Yes to any of these services in item 11a–g, what was the cost for all of these services? INCLUDE operator, landlord, and contractor costs. EXCLUDE cost of soil or tissue tests or scouting costs previously reported. Do not report  Dollars & Cents per Acre	OR	Total Dollars
costs for any of these services reported above if they were previously reported as part of the cost of materials and/or application	_	1137
14. Please report how any data from the selected field in 2023 will be stored and accessed.		
a. Did you access the data collected from the selected field on a —	ı	Code
i. Paper hard copy?	Yes=1 No=3	2485
ii. Personal computer?	Yes=1 No=3	2486
iii. Mobile device?	Yes=1 No=3	2487
b. Did you access the data collected from the selected field through an agricultural technology provider website?	Yes=1 No=3	2488
[If item 14b = 1, continue. Otherwise, go to item 15.]		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

15. Please report the data collection technologies you used on the selected field to produce this crop.

	1	2	3	4	5	6		
			If the tool was used—					
	Data Collection Tool	Was this tool used on the selected field?	Did this tool collect GPS coordinates?	Are data from this tool used to create a map?	What is the replacement cost of this tool?	What is the annual fee for using this tool?		
		Yes=1 No=3	Yes=1 No=3	Yes=1 No=3	Total Dollars	Total dollars		
a.	Yield monitor	2461	2462	2463	2570	2571		
b.	Soil tests on core sample performed on– farm or sent out to a laboratory	2464	2465	2466	2572	2573		
C.	Soil sensor tests	2467	2468	2469	2574	2575		
d.	Hard-wired crop condition sensors	2470	2471	2472	2576	2577		
e.	Wireless crop condition sensors	2473	2474	2475	2578	2579		
f.	Aircraft or satellites	2445	2446	2447	2448	2449		
g.	Drones or Unmanned Aerial Vehicles (UAV)	2455	2456	2457	2458	2459		
h.	Custom service applications – data from completed work on your field	2479	2480	2481	2582	2583		
i.	Public data downloaded from online sources.	2482	2483	2484				

	h.	Custom service applications – data from completed work on your field	2479	2480	2481	2582		2583
	i.	Public data downloaded from online sources.	2482	2483	2484			
I/ IN	NCLU	IDE custom service fees, data subscriptions, and online to	ool subscriptio	ns.				
lf i	tem	15a column 2 = 1, continue to item 16. Other	wise go to it	tem 17.]				
16.	Did	you use the yield monitor information to—						Code
	a.	add/improve tile drainage?						1141
	b.	negotiate new crop leases?					Yes=1 No=3	1144
	C.	help determine chemical input use?					Yes=1 No=3	1143
lf a	any i	item 15 column 2 = 1, continue. Otherwise go	to item 19.]					
17.		ng data collected from the previous tools table ommendations, such as data interpretation, in					t	
	follo	owing—				•		Code
	a.	input dealers without other fee-for-services?					Yes=1 No=3	2491
	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
lf a	any i	item 17a–d = 1, ask—]						
	e.	What was the cost for all of these services? I landlord and contractor costs. EXCLUDE costs.		•		& Cents Acre	OR	Total Dollars
							0.44	
		services if they were previously reported as p materials and/or application			3150	•	315	51

28 [If item 15g column 2 = 1, ask—] 18. In the selected field, did you use the UAV for any of the following purposes? Code Yes=1 3161 a. Weed analysis?.... No=3 Yes=1 3165 b. Yield analysis?.... No=3 Yes=1 3166 c. Moisture analysis?.... No=3 19. Was any of the following GPS-enabled (Global Positioning System) equipment used to produce soybeans on the selected field in 2023? Code 2155 Yes=1 Mounted in-cab heads-up displays? No=3Yes=1 Smart phones or computer tablets? No=3 c. Automatic section control, such as auto sprayer boom controls or automatic section shut 2165 Yes=1 No=3 20. If any GPS-enabled equipment was used, what was the cost to purchase and install all GPS-enabled equipment, not including guidance auto-steering **Dollars & Cents** equipment? INCLUDE cost for GPS receiver and annual GPS subscription fee. OR per Acre **Total Dollars** and operator, landlord, and contractor costs. EXCLUDE costs for any of this 2166 2167 equipment if they were previously reported as part of the costs of materials and/or application..... Code 2148 21. Were any automated guidance systems (i.e. auto-steer), excluding Light Bar, used on the Yes=1 selected field? No=3 [If item 21 = 1, continue. Otherwise go to item 21f.] 1 New. owned? Code 2 Used, owned? 2158 a. Was the automated guidance system..... 3 Leased? Year 2159 What year was the automated guidance system first purchased?..... **Dollars & Cents** OR per Acre **Total Dollars** 2160 2161 What is the replacement cost for the automated guidance system?..... **Dollars & Cents** OR per Acre **Total Dollars** 2162 2163 d. What is the annual fee for the automated guidance system?..... e. For what reasons did you choose to use an automated guidance system? (Select all that apply.) Increase yields 4048 Reduce input costs 4049 Reduce operator fatigue Improve soil conditions Technology came "standard" 4052 Reduce environmental impacts 4050 4051 on my equipment (i.e. soil compaction) (i.e. emissions) Other 4053

[If item 21 = 3, ask—]

f. For what reasons did you choose not to use an automated guidance system? (Select all that apply.)

Costs are too high relative to benefits 4055 Benefits are uncertain 4056 Too complicated to use

4057 Not sufficiently accurate

4058 Not suitable for my operation

4059 Other

		C	Joue
22. Was a variable rate applicator used on the selected field?	Yes=1 No=3		

[If item 22 = 1 continue. Otherwise go to Section G.]

Please report the variable rate applicator types you used on the selected field to produce this crop. If a particular row's variable rate applicator was not used, leave that row blank.

1	2	3	3 4		6	
	Tool Used	Was this applicator?—	Was this applicator?—	What year was the applicator first used?	Premium paid for the applicator	
Was a variable rate applicator used on the selected field for—		1 Sensor-based 2 GPS-based 3 Both 4 Neither	1 New, owned 2 Used, owned 3 Leased			
	Yes=1 No=3	Code	Code	Year	Total Dollars	
a. seeding	1158	2170	2171	2172	2173	
b. fertilizer/lime applications	1152	2174	2175	2176	2177	
c. pesticide applications	1159	2178	2179	2180	2181	
d. irrigation applications	1197	2182	2183	2184	2185	

G	IRRIGATION	G

				Acres
1	Нο	ow many acres in the selected field were irrigated for the 2023 soybean crop?		1160
				•——
-		ne, go to Conclusion]		
2.	No	ow I have some questions about the irrigation systems and water used on the sele	ected field for the 20	)23 soybean crop.
			Unit	System
	a.	What type(s) of irrigation system(s) was (or were) used to irrigate the selected fi		1161
		[Show System Type Codes in the Respondent Booklet. Enter System Type Cod for the system covering the most field acres.]	Code	
		,	Inches per	1162
	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	OR Total Acre Feet	1163
[If c	oper	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		1164
		selected field during the soybean growing season?		
		ii How many gallane per minute were applied?	Gallons per	1165
		ii. How many gallons per minute were applied?	Minute	1166
	C.	What percent of the water used to irrigate the selected field through this system came from surface water sources?	Percent	
	٨	What was the number of times the selected field was irrigated during the soybea		1167
	u.	growing season using this system? INCLUDE any pre–plant irrigation	***	
	e.	What was the pump type? [If more   1 Turbine than one pump in the system, enter   2 Submersible		4400
		type for pump closest to water 3 Centrifugal	Code	1168
		5 Siphon	J.]	
		99 No Pump	Callana nor	1169
	f.	What was the average pumping rate?	Gallons per Minute	1109
ΓIfi	tem	n 2a = code 1–9 (Pressure System), ask—]		
<b>.</b>			Pounds per	1170
	g.	What was the system operating pressure?	Square Inch	
		1 Diesel		
	h.	What was the primary mater type used to	ļ	[]
	•••	pump the water?	····· Code	1171
		5 Electricity 6 Solar Power		
	i.	What was the average motor size?	Horsepower	1172
ΓIf N	No F	Pump was used, item 2e = 99, ask—]		
L'' '	101		Gallons per	1173
	j.	What was the average flow rate?		
	k.	How many other acres on this operation were irrigated using the selected field's	Acres	1174
		irrigation system during the 2023 growing season? EXCLUDE the selected field		•

Dollars & Cents

		per Acre OF	Total Dollars
3.	3. What was the cost of the fuel or electricity used to irrigate the sel INCLUDE operator, landlord, and contractor costs		1190
	INCLUDE operator, landiord, and contractor costs		Code
1	4. Was any water purphased to irrigate the selected field? INCLUD	□ landlard's share and	1191
4.	Was any water purchased to irrigate the selected field? INCLUD purchases from all sources		
[If i	[If item 4 = 1, continue. Otherwise go to item 5.]		
		Dollars & Cents	
	a. What was the total cost for the water purchased for the select the 2023 growing season? INCLUDE operator, landlord, and costs and ditch maintenance costs for the selected field	contractor 1193	Total Dollars
ΓIf	[If siphon tubes were used, item 2a = 10 or 11, ask—]	<u> </u>	Total Dollars
Į., ,	[II sipheri tabes were assa, item za in or in, ask ]		1201
5.	5. What would be the total cost to replace all the siphon tubes used	on the selected field?	
[lf p	[If poly pipe system was used, item 2a = 14, ask—]		Total Dollars
6.	6. What was the total amount spent for poly pipe used on the select season? INCLUDE operator, landlord, and contractor costs		1202
[If o	[If gated pipe system was used, item 2a = 15 or 16, ask—]		Inches
			1203
7.	7. What was the average diameter of gated pipe used to irrigate the	selected field?	
			Feet
	a. What was the total length of gated pipe used?		1204
[If [	[If Pipe systems were used, item 2a = 10, 11, 14, 15 or 16, ask—]		Code
Į., ,	[In the dystems were used, item 2d 10, 11, 14, 16 of 16, date ]	Yes=	1005
8.	8. Were wells used to supply irrigation water for the selected field?.		·
[lf i	[If item 8 = 1, continue. Otherwise go to item 9.]		Number
	a library many and to improve the selected field?		1206
	<ol> <li>How many wells were used to irrigate the selected field?</li> </ol>		
	,		In all an
			Inches
	b. What was the average diameter of the outer well casing?		Inches 1207
	<ul><li>b. What was the average diameter of the outer well casing?</li><li>c. What was the average pumping depth of these wells during t</li></ul>	he irrigation season? Pumping depth	. 1207 . Feet
	b. What was the average diameter of the outer well casing?	he irrigation season? Pumping depth an average decline in the water level	. 1207 . Feet
	<ul><li>b. What was the average diameter of the outer well casing?</li><li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus</li></ul>	he irrigation season? Pumping depth an average decline in the water level	Feet
	<ul><li>b. What was the average diameter of the outer well casing?</li><li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus</li></ul>	he irrigation season? Pumping depth an average decline in the water level	Feet 1208 Code
[If i	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells that</li> </ul>	he irrigation season? Pumping depth an average decline in the water level	Feet 1208 Code
[lf i	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells the selected field?</li> </ul>	he irrigation season? Pumping depth an average decline in the water level at supplied water to the Yes= No=	Feet 1208 Code 1 1210 Acres
[lf i	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells the selected field?</li> <li>[If item 8d = 1, continue. Otherwise go to item 9.]</li> <li>e. Excluding the selected field, how many other acres on this or</li> </ul>	he irrigation season? Pumping depth an average decline in the water level at supplied water to the Yes= No=	Feet 1208 Code 1 1210 Acres
	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells the selected field?</li> <li>[If item 8d = 1, continue. Otherwise go to item 9.]</li> <li>e. Excluding the selected field, how many other acres on this or</li> </ul>	the irrigation season? Pumping depth an average decline in the water level at supplied water to the Yes= No=  Deration were irrigated using the same of the source to the system in Yes=	Feet  1208  Code  1210  Acres  1211  Code
9.	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells the selected field?</li></ul>	the irrigation season? Pumping depth an average decline in the water level at supplied water to the Yes= No=  Deration were irrigated using the same of the source to the system in Yes=	Feet  1208  Code  1210  Acres  1211  Code
9.	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells the selected field?</li></ul>	the irrigation season? Pumping depth an average decline in the water level at supplied water to the Yes= No=  Deration were irrigated using the same of the source to the system in Yes= No=	Feet  1208  Code  1210  Acres  1211  Code
9.	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells the selected field?</li> <li>[If item 8d = 1, continue. Otherwise go to item 9.]</li> <li>e. Excluding the selected field, how many other acres on this or wells during the 2023 growing season?</li> <li>9. Was any additional mainline or lateral pipe used to carry water from the same wells during the 2023 growing season?</li> </ul>	the irrigation season? Pumping depth an average decline in the water level at supplied water to the Yes= No=  Deration were irrigated using the same of the source to the system in Yes= No=	Feet  1208  Code  1210  Acres  1211  Code  12211  Inches
9.	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells the selected field?</li></ul>	the irrigation season? Pumping depth an average decline in the water level at supplied water to the Yes= No=  Deration were irrigated using the same of the source to the system in Yes= No=	Feet  1207  Feet  1208  Code  1210  Acres  1211  Code  13  Inches  1212  Feet
9.	<ul> <li>b. What was the average diameter of the outer well casing?</li> <li>c. What was the average pumping depth of these wells during t is the depth to water at the start of the irrigation season, plus caused by pumping during the irrigation season</li> <li>d. Were other fields irrigated using water pumped from wells the selected field?</li></ul>	the irrigation season? Pumping depth an average decline in the water level at supplied water to the Yes= No=  Department of the Supplied water to the Yes= No=  Department of the Supplied water to the Yes= No=  Department of the Supplied water to the Supplied water	Feet  1207  Feet  1208  Code  1210  Acres  1211  Code  12211  Inches  1212  Feet  1213

## CONCLUSION

Loca	tion of	Selected Fiel	d										
I nee	d to lo	cate the selec	cted field of so	beans on this	map.			Count	y Name		Stat		e Use y FIPS Code
4				<b></b>					<u> </u>		0010		
1. V	Vhat co	ounty is the se	elected soybea	in field in?							0110171		
				9854	LATITU	DE			9855 _	L	ONGITU	JDE	
a	ı. Fiel	d location		9004					9655 _				
•		usir	e the iPad app	nagery that this	ordinates for s is the corre	ct fie	ld.]				onfirm		-
			nformation to c time that is go		tudy. We wil	ii COII	lact you	шг	ebruary o	I Maich	2024	to cone	CUL. III
•		·	· ·	•					0	ffice Use (	Only		
								Time	(Military)	OR		Total 7	
							Hours		Minutes	┥	Ho	urs	Minutes
2. E	nding	time				005				8000			
3. F	Record	s Use –	d respondent u	se farm/ranch	records to re	_ eport-	_1						
			Code				Cod	е					Code
	[fortili-	er data?]	Yes=1 0011	Inacticida	data?]	Yes=	0012			ty of this		Yes=1	0013
					-				•	e data?].			
4. 5	Supplei	ments Used –	-	total number	of each type	of s			ed to cor	nplete tl	nis inte	erview.]	
			Number	· 			Numb	per					Number
	Fertiliz	er Supplement		Pesticide	Supplement		0042		Field C	perations	s		0043
Con	tact In	formation										'	
	ator Em								Operato	r Phone:			
9929						9917			9918				check if
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Resp	ondent	Name:			· ·	dent F	Phone (if	differe	ent from a				
9912					9911					ell phone	9910	MM	DD YY
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		inis comple	tes the survey.		ill be availab ank you for y			ease o	date at na	ass.usda	a.gov/r	esults	
					OFFICE US	SE							
R	. Unit	Ptr 1 Str	Ptr 2 Str	Ptr 3 Str	Ptr 4 Str	1	OPS		SSO 1	ADJ		Optio	onal Use
9921		9922	9923	9927	9928	923		9907	•	922	99	906	9916

				OFFICE U	SE					
R. Unit	Ptr 1 Str	Ptr 2 Str	Ptr 3 Str	Ptr 4 Str	OPS	SSO 1	ADJ	ADJ Optional Use		
9921	9922 9923		9927	9928	923	9907	922	9906 9916		
Res	Response Respondent			Mod	le	Enum.	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		9998	9989			
4-Office Hold		4-Partner 9-Other					<b>Eval</b> . 9900	998	<b>Change</b>	