## AGRICULTURAL RESOURCE MANAGEMENT SURVEY

OMB No. 0535-0218 Approval Expires: 6/30/2026 Project Code: 906 SurveyID: 1342 Phase 2



## USDA/NASS

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	VERSION 12	OAT PRODUC	ID			TRACT 01	1	RACT	C-TYPE 110	
				CONTACT	T RECORD					
DATE	TIME					NOTES				
		vill be used for sta								
discloses ANY accordance w U.S.C. Ch. 35 https://www.na According to ti collection of in complete this	/ identifiable infoith the Confider and other appliass.usda.gov/cohe Paperwork Formation unles information colling.	ormation about youtial Information P cable Federal law onfidentiality. Resp Reduction Act of 1 as it displays a val ection is estimate es, gathering and	ou or your or rotection a vs. For more conse is vo 995, an ag id OMB co d to average	operation is and Statistication re information obluntary. gency may reported number ge 65 minution	subject to al Efficience on on how not conducter. The vali es per resp	a jail term, a sy Act of 2016 we protect y t or sponsor, d OMB numb ponse, include	fine, or bo 8, Title III o our inform and a per ber is 053 ling the tin	oth. This of Pub. L ation ple son is no 5-0218. The for rev	survey is cond. No. 115-435 ase visit:  of required to required to required to required to require ime requirewing instructions.	ducted in , codified in 44 respond to a red to ctions,
[MIL	NG TIME 0004 LITARY]	M M						SCREE 0006	NING BOX	
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			Total Planted Acres
1. How many total acros of cats did this operation	on plant for the 2022 eron year?		0050
How many total acres of oats did this operation			
If no acres were planted, review Screening Surv	ey Information Form, make notes, th	en go to back page	.]
			Code
a. Did you produce any acres of certified org	ganic oats?	Yes = 1 No = 3	4000
b. Of the total (item 1) acres, how many wer	re planted using/as —	Total Acres	Number of Fields
	]	4001	4002
i. Conventional oats?			
ii. Certified organic oats?		4003	4004
I will follow a simple procedure to make a rando	ı m selection from the oat fields plante	ed for the 2023 crop.	.]
	·	•	Total Number Of
			Fields Planted
<ol><li>What is the total number of oat fields that we and go to item 4.]</li></ol>			0020
3. [Now, I need to identify an oat field to be use	d for this survey. The eat field pro-	colocted for this into	rviow is the:
Inow, Theed to identify all oat field to be use     Northern most field	u for this survey.] The oat held pre-s	selected for this lifte	iview is the.
<u> </u>			
2 Southern most field	Field description:		
<ul><li>₃ ☐ Eastern most field</li><li>₄ ☐ Western most field</li></ul>			
6 ☐ Southeastern most field  7 ☐ Northwestern most field			
8 Southwestern most field			
4. The field selected is (field	name/number/description). During t	his interview, the oa	t questions will be
about this selected oat field.  [Be sure the operator can identify the selecte	d field 1		
5. For the randomly selected field above, please	-	Agency (ESA) iden	tifiers:
	-		
Having this information helps USDA make better of statistical analysis that can be done with the re			
FSA administrative fields, please include the farn	n, tract, and field number for the larg	est administrative fi	eld. These
numbers are field identifiers that USDA uses to a conservation programs.]	idminister farm programs like crop in	surance, commodity	y programs, and
			Number
a. Farm Number (up to 8 digits)		1070	
· · · · · · · · · · · · · · · · · · ·		1071	
b. Tract Number (up to 7 digits)			
c. Field Number (up to 4 digits, exclude sub	field letters)	1072	
	•	L	OFFICE USE
		(	OFFICE USE OY Field Substituted

		Acres
1.	How many acres of oats did this operation plant in the selected field for the 2023 crop?	1301
		Code
	a. Are the acres in the selected field certified organic or transitioning into  Certified organic oat production?  Yes, Certified Organic=1 Yes, Transitioning=2 No=3	
[lf	item 1a = 1 or 2, ask—]	Dollars & Cents per Acre
	b. What was the cost, per acre, for third party organic certification?	1399
2.	1 owned by this operation? 2 rented for cash with the payment being a fixed cash amount? Were the acres in the selected field—	Code 1302
	<ul><li>5 rented for some combination of cash and share of the crop?</li><li>6 used rent free?</li></ul>	
[lf	field is cash rented (item 2 = 2, 3, or 5), ask item 3, otherwise go to item 4.]	Dollars & Cents per Acre
3.	What was the cash rent paid per acre for this 2023 oat field?	1303
	field is share rented (item 2 = 4 or 5), ask—]	Percent
4.	What was the landlord's share of the crop from the selected field?	1304
[lf :	field is rented (item 2 = 2, 3, 4, 5, or 6) ask—]	
-	What was the total cost for all inputs provided by any landlord for the 2023 crop on the selected field? INCLUDE the costs for all inputs, such as seed,	Total Dollars
	fertilizer, chemicals, technical services, custom operations, drying, and irrigation. EXCLUDE real estate tax expenses and lime costs paid by the landowner	
		Year
6	What year did you (the operator listed on the label) start operating the selected field?	1312 — — — —
٥.	That year and year (and operator motes on and labely start operating are delected motes motes and labely start operating are delected motes.	MMDDYY
7		1308
١.	On what date was the selected field planted?	
	1 Dual purpose: grain and grazing 2 Harvesting for grain only	Code
		3117
[lf	7a = 1 or 2, ask—]	Code
	b. What is the primary purpose of the oats that are planted in this field?	3111
	T. DIEWING	Bushels per Acre
	N/I / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	1311
	c. What was your yield goal at planting for the selected field?	

		1 Purchased	Code
8. What was the source of the oat seed?		<ul><li>2 Homegrown or traded</li><li>3 Both</li></ul>	1317
[If item 8 = 2 or 3, ask—]			Dollars & Cents per Pound
			3321
a. What was the cost per pound for cleaning and	treating this seed?		
			Percent
h. I law may about the past accord planted in this field.		in trada) bu thia anaratia	1318
b. How much of the oat seed planted in this field v	was grown (or received	in trade) by this operation	Unit Code
			1=Pounds
			2=Cwt 3=Tons
[If any seed purchased (item 8 = 1 or 3), ask—]		Dollars & C	4=Bushels Cents 22=Acres
		per Uni	
9. What was the total cost per unit of purchased seed	I for the selected field?	INCLUDE 1319	1320
operator, landlord, and contractor costs, cost of see	ed treatment, and techr	nology fee	
			Code
		pesticide prior to purchase' pesticide after purchase?	? 3062
10. For the 2023 oat crop, was the oat seed—			
[If item 10 = 1 or 2, continue, otherwise go to item 11.]		·	
	Seed Tre	atment Name	
a. What was the name of the seed	)		
treatment? [Write seed treatment name in the box provided.]			
b. What was the seed treatment code? [Enter the	appropriate seed treat	ment code from the	Code
Respondent Booklet. Enter "999" if a seed trea	atment was applied but		if the 2325
seed treatment is not known.]Use	respondent		
book	klet to find		Code
code		lastad field0	Yes=1 2340
11. For the 2023 oat crop, did you plant a commercial	•		No=3
[If item 11 = 1, ask—]		eed Product Name	
a. What was the name of the seed product? [Write seed product name in the box provided.]	2		
b. What was the seed product code? [Enter the a	appropriate product cod	le from the Respondent	Code
Booklet. Enter "999" if a seed product was pur	chased but is not listed	l. Enter "–1" if the produ	
			Unit Code
			1=Pounds/Acre 2=Cwt/Acre
			3=Tons/Acre
		Units	4=Bushels/Acre 23=50 lb. Bags/Acre
		1313	2314
12. What was the seeding rate per acre the first time the	ne selected field was pl	anted?	· <u> </u>
			Acres
			1315
13. How many acres in the selected field had to be rep	lanted to oats?		
(Acres replanted = Number of Acres x Number of ti			
( .ordo replanted Trainbol of Aordo A Hambel of the	so ropidinod.j		Code
			Yes=1 1328
14. Has harvest of the selected field been completed?.			No=3

	,		
[Now I need information about the acres harvested or to be ha	rvested and the yields from	n the selected field	_
15. How many acres in this oat field were or will be—		What yield per acre d you get or do you expect to get for oats	3=Tons - 4=Bushels
	Acres	Units per Acre	Code
a. harvested for grain?	1346	1347	1348
5	1349	1350	
b. harvested for hay, silage, or green chop?		•_	TONS
c. harvested for commercial seed contract?	1431	1432	1433
o. Harvested for commercial seed contract:	1351	•	
d. abandoned?			
e. used for some other purpose?	1439		
e. used for some other purpose:	•		
16. Was straw harvested from the selected field?			
1520 <sub>1</sub> Yes – Continue <sub>3</sub> No – Go t	to item 18		Acres
_			1521
17. How many acres of this oat field were harvested for straw?			·
			Total Tons
			1522
How many total tons of oat straw were harvested from to	these oat acres (item 17)?	•••••	
Tons per Acre X Acres = Total Tons OR Bales X	÷ 2000 Lbs per Bale Lbs per Ton	= Total Tons	
1010 por 7 010 7 1010 1010		Percent OR	Tons
b. Of the total oat straw harvested from this field (item 17a			1524
landlord's share of the oat straw?			
			Total Dollars
c. What was the total cost of baler twine/wire used to bale landlord's share			1525
[If any act strong and act. ]			Dollars & Cents
[If any oat straw was sold, ask—]			Per Ton 1526
d. What was the price received per ton for all oat straw (ite	em 17a) sold from this field	1?	·——
	1 Cattle		Code
18. What type of livestock grazed the selected oat field during	2 Sheep 3 Other, Specify:		3147
the 2023 crop year?	4 Not grazed		
[If item 18 = 4, go to item 19. Otherwise, ask—]			
			Head
a About how many head of livestock (item 18) grazed this	o opt field?		Head 1362
a. About how many head of livestock (item 18) grazed this	s oat field?		1362
a. About how many head of livestock (item 18) grazed this	s oat field?		1362 Days
<ul><li>a. About how many head of livestock (item 18) grazed this</li><li>b. How many days did this livestock graze on this oat field</li></ul>			1362
			1362 Days
			Days 1363

	Crop Code List for item 19 – 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		

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

					1	
	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>	
				Yes=1	1 Tilled-in 2 Herbicide 3 Rolled 4 Grazed 5 Harvested for forage 6 Harvested for grain 7 Winter killed	Yes=1
	Season and Year	Crop Name	Crop Code	No=3	Code	No=3
a.	Spring/Summer of 2023?	OATS				1344
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.

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

crop? If no program payment was received, enter zero.....

20. 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.).....

[If a cover crop was planted in Spring/Summer/Fall 2022, ask—]

21. 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......

	Code
Yes=1 No=3	0702
	1405
Yes=1 No=3	

**Dollars & Cents** 

per Acre

		1 Nearly level (0 – 2%			Code
		<ul><li>2 Even, moderate gra</li><li>3 Variable, moderate</li></ul>			2400
22. Wł	nat is the slope of the selected field?	4 Even, steep grade (	10% or more)		
		5 Variable, steep grad			
			1 Loam		Code
			2 Clay 3 Sandy		2401
23. Wh	nat is the primary soil type of the selected field?		4 Mixed ··		
			5 Silty		Unit Codes
					1 Currently a concern
24. In	the selected field, are any of the following currently or histori	cally a concern?			2 A concern in the past
					but not anymore 3 Not a concern
					Code
a.	Water–driven erosion				2407
					2408
b.	Wind-driven erosion				
C.	Soil compaction				2409
٥.	Con compactor	•••••			2410
d.	Poor drainage				2410
_	Law amania matter				2411
e.	Low organic matter				
f.	Water quality				2412
	, ,				2413
g.	Other concerns				
h.	Water availability				2415
	-				
lit item	s 24a – 24h are all "Not a concern", ask—]				Code
i.	If the answer to all of the above was "Not a Concern", is it t			Yes=1	2414
	significant concerns on this field?			No=3	
					Code
				Yes=1	2402
25. Did	the land use practices for the selected field include subsurf	ace drainage?		No=3	
[If item	25 = 1, continue. Otherwise go to item 26.]				Year
					2403
a.	In what year was the current subsurface (tile) drainage inst	alled?			
					Inches
					2604
b.	What is the average depth of your drainage system?				
					2605
C.	What is the diameter of your tiles?				
	·				Hours
d.	On average, how many hours does it take your field to retu	rn to normal soil m	nisture level	e	2606
u.	following a heavy storm?				
	<b>5,</b>				LCode
_	Door this system include a machanism for controlled their	ago (o el eterritario	ricore		2406
e.	Does this system include a mechanism for controlled drains or float mechanisms)?			Yes=1	2-100
	or noar medianisms):			No=3	

26.		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?	Uni 1 Curre 2 Past 3 Neve	
	a.	Environmental Quality Incentive Program (EQIP)	2611	
	b.	Conservation Security or Conservation Stewardship Programs (CSP)	2612	
	C.	Conservation Reserve Program (CRP)	2613	
	d.	Other Federal, State, Local or non–government source	2614	
			C	Code
27.		ring the last four years, did you apply for conservation funding, either through any Federal, Yes=1 te, or local program, for the selected oat field?	4017	

28. [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.]

<ul> <li>Please check any practices or activities</li> </ul>	nat you used on the selected field this	year or any time in the past
--	---	------------------------------

On-field Soil and Crop Management	<sub>10</sub> Terraces	Implement an integrated pest management plan – written plan
1 No-till/strip-till	<sub>12</sub> 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	<sub>33</sub> Filter strip
5 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
7 Laser leveling	Split nitrogen application with at least 50% applied after planting	Irrigation water management plan
		99 None of the above
h For each practice or activity chec	eked in 28a, please complete one line of t	his table

b. For each practice or activity checked in 28a, 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).]

			Treate 99 In the histrow	
1	2	3	4	5
Practice or Activity on the Selected Field		used on this selected field in 2023? 1 Used in 2023 2 Not used in 2023 but used in earlier years	What financial assistance (cost share) has been received for this practice on this field?  1 Received a payment in 2023 from EQIP, CSP, or similar program  2 Did not receive a payment in	
			2023 but have in earlier years 3 Have never received a payment for this practice	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

	2023, were the oats in the selected field covered by a single or named peril crop licy (e.g. hail, replant, wind, freeze, etc.)?		Yes=1 No=3	1393	
[If item	29 = 1, continue. Otherwise, go to item 30.]				Code
a.	In 2023, were the oats in the selected field covered by more than one single or crop insurance policy (e.g. hail, replant, wind, freeze)?		Yes=1 No=3	2721	
					ars & Cents per Acre
	What was the dollar amount of coverage per acre for the single peril policy cove field?			1395	· <u> </u>
C.	What was the premium cost per acre for the single peril policy covering the select EXCLUDE any sign—up fee			2722	· <u> </u>
					Percent
d.	What was the percent deductible for the single peril policy covering the selected deductible as 0%)			2723	
					Code
e.	Did you (or will you) collect an indemnity payment for the selected field from the policy during 2023?		Yes=1 No=3	2724	
					Code
30. In 2	2023, were the oats in the selected field covered by a multi–peril federal program	that		1385	
pro	ovided protection against yield or revenue losses? These types of policies include	crop	Yes=1		
ins	urance and crop disaster assistance programs		No=3		
[If item	30 = 1, continue. Otherwise go to Section C.]				
	<ul><li>1 Noninsured Crop Disaster Assistance Progra</li><li>2 Federal CAT (basic catastrophic insurance)</li></ul>	,			Code
a.	What type of multi–peril coverage did you obtain?	am buy–up		4069	
IIf it a ma				1	
[II Item	30a = 3 or 4, ask—]				Percent
	i. What percent of yield coverage did you select for the selected field?			-	
	ii M/bet persent of price severage did you called for the calledted field?			1388	
	ii. What percent of price coverage did you select for the selected field?				
[If item	30a = 5, ask—]				Percent
	iii M/bet negent of revenue sevenue did you select for the celected field?			1389	
	iii. What percent of revenue coverage did you select for the selected field?				
		1 Basic		0504	Code
b.	What type of unit coverage did you purchase for the multi–peril policy on the selected field?	<ul><li>2 Optional</li><li>3 Enterprise</li></ul>		2524	
			]		Year
C.	In what year did you, the operator listed on the label, first purchase multi-peril c	ron insurance	on	2525	
0.	the selected field?	•			
				Bush	els per Acre
				2526	'
d.	What is the 2023 Approved APH (actual production history) yield for the selecte	d field?			
					ars & Cents per Acre
e.	What was the premium paid for multi–peril crop insurance for the selected field EXCLUDE any administrative fee			2527	
	,				Code
f	Did you or will you collect an indomnity navment for the collected field from multi-	neril cron		2528	
f.	Did you or will you collect an indemnity payment for the selected field from multi insurance during 2023?		Yes=1 No=3		

											Code	Office Use Edit Table	
1.								d field for the nd contractors.	Yes=1	202		0200	
[If	item 1 = 1	1 continue	e. Otherw	ise go to	item 6]							Number	
2.								made to the se				0203	
3.	Now I ne	eed to rec	ord inform	mation fo	r each app	lication.							
				CHEC	KLIST								
		INC	LUDE			EX	CLUD	)E					
	Custom	applied nutri	ients or fert	ilizers	☐ Micror	nutrients							
	Nutrients	or fertilizer	s applied in	the fall of	☐ Unpro	cessed man	ure						
		d those appl field was fa				nts or fertiliz in the select		plied to previous					
	Commer compost	cially prepar	red manure	or	Lime a	and gypsum/	landpla	aster	Office Use Lines in Table	Э	Table 001	0299	
	Nitrog	en Codes	for Colum	n 2 Source	e/Form of N	Used	] [	A	pplication Co	des	for Column 6		
	1 Anhydrous 2 Nitrogen s 3 Urea 4 Ammoniur 5 Sodium ni	olution (UAI m nitrate	N) 7 Potas magn calciu 8 Other	onia sulfate ssium nitrate esium nitra im nitrate nitrogen fe rial [specify	e, ate, and ertilizer	1	2 B 3 B	roadcast, ground roadcast, ground roadcast, by aircra seed furrow	with incorporat		6 Chisel/inj 7 Banded i	on water ected or knifed i n or over row directed spray	n
	2			3		4	5		6	7			
	Materials Used [Enter percentage analysis or actual pounds of plant			nds of plant	What qua	ed per	[Enter material code]	When was t applied?		How was this applied?	How many acr the selected field	d were	
L	nutrients applied per acre.] [Show Common Nutrients or Fertilizers in Respondent Booklet] [Refer to nitrogen list above for type of nitrogen used.]			Respondent	[Leave t column bla actual nuti	his ank if rients	1 Pounds 12 Gallons 13 Quarts 19 Pounds of	1 In the fall be seeding 2 In the spring before seed	g	[Refer to code list above]	treated in the application		
E	N	P <sub>2</sub> O <sub>5</sub> Phosphate	K₂O Potash	S Sulfur	Source/Form of N Used [Refer to code list above]	were repo	nteaj	actual nutrients	3 At seeding 4 After seedin			Acres	
0	31	32	33	34	35	36		37	38		39	40	
02	31	32	33	34	35	36		37	38		39	40	<u>'</u>
	31	32	33	34	35	36		37	38		39	40	
0;	31	32	33	34	35	36		37	38		39	40	•
04	31	32	33	34	35	36		37	38		39	40	<u>•</u>
0	5												•
0	31	32	33	34	35	36		37	38		39	40	•
0	7 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	<u> </u>

	Code
Were any nutrients or fertilizers applied by custom applicators?	Yes=1 0214 No=3
[If item 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?	
[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 custo fertilizers on the selected field?	om application of nutrients or
INCLUDE	
	& Cents Acre OR Total Dollars
EXCLUDE custom application of lime, gypsum, purchased manure, and purchased compost	0220
[If material and application costs can't be separated, exclude them here and record the total is	n item 5.]
5. What was the total cost of all nutrient or fertilizer products applied to the selected field?	
• operator, landiord, and contractor costs as well as the costs for suitar =	& Cents 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
[If custom applied and the cost of materials can be separated from application costs, include otherwise, include both the material and application costs.]	the cost of materials only,
	Yes=1 0218
6. Was gypsum applied to the selected field for the 2023 oat crop?	
Was a soil test for soil organic matter performed on the selected oat field at some point in last 10 years?	
[If item 7 = 1, ask—]	Percent
a. What was the percentage of soil organic matter on the selected field for the most rece	ent test?
	Number
b. How many times have you tested the selected field for soil organic matter in the last 1	3227 10 years?
[If item 7b is more than 1, ask—]	Code
1 Increasing?	3228
c. Based on these tests, is your soil organic matter content 2 Decreasing?  3 Staying roughly the same?	?
8. Was a soil or plant tissue test performed on the selected oat field in 2022 or 2023 for the crop?	
[If item 8 = 1, continue. Otherwise go to item 13.]	Code
Was a soil test for phosphorus performed on the selected oat field in 2022 or 2023 for the crop?	e 2023 Yes=1 0225
[If item 9 = 1 ask—]	Pounds per Acre
a. How many pounds of phosphorus per acre were recommended by the phosphorus te	st?

					Code
	as a soil test for nitrogen performed on the			Yes=1 No=3	0227
[If iten	n 10 = 1, ask—]				Pounds per Acre
2	How many pounds of nitrogen per acre	wore recommended by the nitrage	n tost?		0228
a.	Tiow many pounds of filliogen per acre	were recommended by the hitroge	11 (65) ?		Code
	as a plant tissue test or leaf analysis for n			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	rise 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?	Soil/plant tissue test costs were in total fertilizer costs reported in iter			0232
		3 Some other reason			Code
b.	Did you receive a payment from a conseperforming a soil or plant tissue test?			Yes=1 . No=3	3231
	nerator Action: Refer to the Fertilizer Table hitrogen applied, go to item 15.]	e, column 2. If nitrogen (N) was ap	plied, complete ite	em 13.	
	as the amount of nitrogen you decided to	apply to the selected field based o	n—		Code
	<del></del>			Yes=1	0233
a.	Results of a soil or plant tissue test?			. 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	0238
g.	Routine practice – operator's own deter	mination based on past experience	e, yield goal, etc.?.	Yes=1 No=3	0239
	,	1 Nitrification inhibitors (such as N–S	Serve)		Code
us	hich of the following products did you e to slow the breakdown of nitrogen on s field?	<ul> <li>Urease inhibitors (such as Agrotain</li> <li>Chemical–coated fertilizers (such a urea and polymer–coated urea)</li> <li>Other inhibitors</li> <li>None</li> </ul>	n)		0241
[If nitro	ا ogen inhibitors were used, continue. Othe	pruise de te item 151	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	-
	are defected field:		Dollars & Cents per Pound	∟ OR	Dollars & Cents per Gallon
b.	What was the cost of nitrogen inhibitors operator, landlord, and contractor costs.			02	-

					Code	
15 ls	lime ever applied to the selected fie	eld?		es=1	0242	
	n 15 = 1 continue. Otherwise go to		IN	10-5	Years	
•	· ·	•			0243	
a.	On average, how many years are	there between applications of lime to the se	elected field?		Tons per A	cre
					0244	OI C
b.	How many tons of lime were appl	ied per acre the last time it was applied to the	ne selected field?			•
			V	00-1	0240	
C.	Was lime applied to the selected to	field in 2022 or 2023 for the 2023 crop?		No=3	0240	
		manure from own farm, from a neighbor's fa			Code	
		post, applied to the selected field for the 202 anure		′es=1 No=3	0246	
[If iten	n 16 = 1 continue. Otherwise go to	Section D.]			Acres	
	To how many cares in the colocto	d field was manure or compact applied?			0247	
a.	TO HOW THATTY ACTES ITT THE SELECTE	d field was manure or compost applied?	Units per acr		Unit Codes 1 Tons 2 Gallons 3 Bushels 4 Cubic yards	•
b.		or compost applied per acre to the selected			0248	
C.		oplied to the selected field for the 2023 oat	crop, what was			
	the percent of manure or compos	t applied—			Percent	
	i. in the fall before planting?			+	0254	
	ii. in the spring before planting?.			+	0255	
	iii. after planting?			+	0256	
	, ,			=	100%	
			1 Lagoon liquid?		Code	
d.	Was the manure or compost—		2 Slurry liquid? 3 Semi–dry or dry?	<u></u>	0257	
		1 Broadcast or sprayed without incorporation?			Code	
e.	Was the manure or compost—	2 Broadcast or sprayed with incorporation? 3 Injected/knifed in? 4 Sprayed using irrigation systems?			0258	
f.	Was the major source of manure or compost—	1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids – municipal sludge? 8 Food waste? 9 Other? Specify:			Code 0259	

g.	Was the manure or compost-	1 Produced on this operation? 2 Purchased? 3 Obtained at no cost off this operation? 4 Obtained with compensation (operator received payment for accepting the manure			Code 0260
[If item	16g = 2, continue. Otherwise		.,,.		
in Kom	r rog - E, contantac. Canol wice	ge to item rom,	Dollars & Cents per Acre	OR	Total Dollars
		of the purchased manure or compost applied	0284		0285
	INCLUDE			1	
		and contractor costs e for transportation costs			Code
				Yes=1	0286
	ii. Did you hire someone to	custom apply the manure or compost?		No=3	
[If item	16gii = 1, ask—]				
			Dollars & Cents per Acre	OR	Total Dollars
	applied to the selecte	ost paid to have manure or compost custom and field? INCLUDE operator, landlord, and	0287		0288
[Do no		st if it was included with the purchased manur		]	
טוז טען	it report custom application cos	stillit was included with the purchased manuf	e or compost cost.	.]	
					Miles
h.		between the manure or compost storage/prod		id the	0291
					Code
i.		oplied to the selected field, was any tested for		Yes=1 No=3	0261
j.	Was the application rate of co to manure or compost applica	ommercial nitrogen fertilizer on the selected fie ation?	eld reduced due	Yes=1 No=3	0262
[If 16i =	= 1, ask—]				Percent
. ,	i. By what percent did you i	reduce the commercial nitrogen fertilizer appli			0263
	ociocioa noia :			•	Code
		rvest date for the selected field due to the app		Yes=1 No=3	0280
	manare or compose:			110-3	
47 \\	41		b <b>F</b> a d a a a l		Code
		plication rates to the selected field influenced		Yes=1 No=3	0264
[If item	17 = 1, ask—]				
a.	What basis was used to dete	rmine these manure application rate restriction	ns—		Code
	i. Nitrogen requirement of t	he crop?		Yes=1 No=3	0265
	•			Yes=1	0266
	ii. Phosphorus requirement	of the crop?		No=3	

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

Office Use Edit Table

, 0	p, morading both decient apphoanone and apphoanone made by the operation.		Code	Edit Table
1.	Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this oat field for the 2023 crop?	Yes=1 No=3		0300

[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.

	, 3 ,	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	

			L					
Use respondent		2	3	4	5	6 OI	R 7	8
booklet to find codes		What products were applied to the selected field? [Show product codes from	Was this product bought in liquid or dry form?	If this was part of a tank mix, enter line number of	When was this applied?  1 Before planting 3 At planting	How much was applied per acre per application?	What was the total amount applied per application in the selected	[Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints
Chemical Product Name	I N E	Respondent Booklet.]	[Enter L or D]	first product in mix.	4 After planting 5 Defoliation prior to harvest		field?	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	How many acres in the	How many times	Were these applications	What was the cost per	14
	product applied?	selected field were treated	was it applied?	made by—	unit of the product?	
		with this product?	''	,	·	[Enter unit code]
	[Enter code from	·				1 Pounds
	above.]					12 Gallons
						13 Quarts
L				1 Operator, partner, or		14 Pints 15 Liquid Ounces
1				family member?		28 Dry Ounces
N E		Acres	Number	2 Custom applicator? 3 Employee/Other?	Dellara & Canta nar I Init	30 Grams
		Acres			Dollars & Cents per Unit	
01	76	77	79	80	81	82
UI		•			•	
	76	77	79	80	81	82
02					<u> </u>	
	76	77	79	80	81	82
03		·			•	
	76	77	79	80	81	82
04	10		10	00	•	02
-						
05	76	77	79	80	81	82
05		<u>'</u> —			<b>'</b>	
	76	77	79	80	81	82
06		•			•	
	76	77	79	80	81	82
07		·			•	
	76	77	79	80	81	82
08	10	l'' .	70		•	02
	70		70	00	81	00
09	76	77	79	80	81	82
03		•—			•	
40	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	10		13	00	01	02
13		<u>'—</u>	_		<u>"——</u>	
111	76	77	79	80	81	82
14		•			'	

					Code
3.	We	re any chemicals, biocontrols, or pesticides applied by custom applicators?		Yes=1 No=3	0323
[lf i	tem	·	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—]			
			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	at was the total cost of all chemical, biocontrol, or pesticide products blied to the selected field? INCLUDE operator, landlord, and contractor sts, defoliants, herbicides, insecticides, fungicides, surfactants, wetting	Dollars & Cents per Acre	OR	Total Dollars
	age	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	or mate	erials only.

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

[Er	numerator Action: Were pesticide applications rep	ported in Section D?]		
	☐ Yes – Continue ☐ No – Go to item 6		Ī	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?	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		ĺ	Code
4.	Were herbicides applied to the selected oat field	before weeds emerged?	Yes=1 No=3	0803
5.	Were herbicides applied to the selected oat field	Yes=1 No=3	0805	
6.	Were records kept for the selected field to track 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
		1 By deliberately going to the field specifically for scouting activities [Enter code 1 and go to item 9.]		Code
8.	In 2023, how was the selected field primarily scouted for insects, weeds, diseases, and/or beneficial organisms?	2 By conducting general observations while performing routine tasks [Enter code 2 and go to item 10.]		0808
	beneficial organisms?	3 The selected field was not scouted. [Enter code 3 and go to item 14.]		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	d due to—		Code
	a. a pest advisory warning?		Yes=1 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.]  Dollars & Cents  per Acre	OR	Total Dollars
11.	How much was charged for the scouting services INCLUDE operator, landlord, and contractor cost	s for the selected field?		0822
				Office Use
	If scouting performed at no cost, explain:			0333
				Code
12.	Were scouting data compared to published information when to take measures to manage pests in the state of th		Yes=1 No=3	

1	2	3
13. Do you believe that the selected field was infested with any of the following oat pests or diseases?	Yes=1 No=3	[If column 2 = 1, ask—] Do you believe that the infestation/population level was higher than the economic threshold for treatment?  1 Much higher (over 1.5 times the threshold) 2 Higher (between 1 and 1.5 times threshold) 3 Lower (between .5 and 1 times the threshold) 4 Much lower (between 0 and .5 times the threshold) 99 Don't Know  Code
a. Crown rust	4060	4061
b. Stem rust	4062	4063
c. Barley dwarf virus	4064	4065

	О.	Zanej awan maemining			
					Code
14.		I you use field mapping of previous weed problems to assist you in making weed nagement decisions?	Yes=1 No=3	0825	
15.		I you do any of the following other types of pest management for the specific purpose of naging or reducing the spread of pests in the selected field?			Code
	a.	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	0842	
	C.	Remove/burn down crop residue?	Yes=1 No=3	0843	
	d.	Rotate crops in the selected field during the past three years?	Yes=1 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 fence lines?	Yes=1 No=3	0850	
	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	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	
	0.	Use a flamer to kill weeds?	Yes=1 No=3	0857	
	p.	Maintain buffer strips or border rows to isolate oats 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

16. Were any beneficial organisms, such as insects, nematodes selected field to manage pests?	Yes=1 No=3	0853		
				Code
17. Were floral lures, attractants, repellants, pheromone traps, on the selected field?	· .		Yes=1 No=3	
[If item 16 or item 17 = 1, ask—]				
a. What were the total materials and application costs for a	all biological pest co	ntrols for the selec	cted fie	eld?
INCLUDE		Dollars & Cents		
<ul> <li>operator, landlord, and contractor costs</li> </ul>		per Acre	OR	Total Dollars
<ul> <li>cost for beneficial organisms, insects, nemate</li> <li>EXCLUDE biological pesticides previously reported</li> </ul>		0859 •	_	0860
				Code
18. Was a trap crop, excluding fallow, grown to help manage ins	sects in the selected	d field?	Yes=1 No=3	0863
To. Was a trap crop, excitating fallow, grown to help manage inc			Yes=1	0864
19. Was the selected field left fallow in 2022 to help manage ins	ects on the selecte	d field?	No=3	0004
20. Were water management practices such as irrigation sched	uling, controlled dra	inage, or		Code
treatment of retention water used on the selected field to ma fungi and bacteria?	• .		Yes=1 No=3	0861
21. Was protection of beneficial organisms a factor in your pest			Yes=1	1765
field?			No=3	
[If item 21=1, continue. Otherwise go to item 22.]			ı	Code
a. Did you change timing of, reduce application rate of, or	eliminate a pesticido	e application?	Yes=1 No=3	1766
)g-				1767
b. Did you change to an alternative pesticide, biocontrol, o	r non–pesticide pra	ctice?	Yes=1 No=3	
			•	Unit Codes
				1 Pounds 2 CWT
		Units par A	cro	3 Tons 4 Bushels
		Units per A	cie	2736
22. If untreated (either with herbicides, tillage, or cultivation), ho				2/30
bushels per acre) do you think weeds would most likely cau	se on the selected t	rield?		
				Code
23. Did pests, such as weeds, insects, pathogens, or animals, or	ause any yield loss	on the selected	Yes=1	0827
field in spite of your pest control efforts?			No=3	
[If item 23 = 1, ask—]				
		Unit Codes		
		1 Pounds 2 CWT		
a. How much yield loss per acre do you think was caused	Units per Acre	3 Tons 4 Bushels	OR	Total Units
by all pests on the selected field in spite of the	0829	0828	<b>–</b> 1	0830
management practices you used to reduce those losses?				
		•	L	
				n Code for
		Pest	Manag	ement Data
		1 Incomplete/R	Refusal	0500

				FIE	LD OPER	AHONS -	— ა⊏	LECTEL	ו דודו	LD		Г
					list field wo	rk performed	d by r	machine	s	INCLUDE	Check List all field work using ma	achines for—
	•	begin with t operations	he first field o	peration afte op establishe	r harvest of the	previous crop, vious crop was				i	d forming/Levee Build	
	■ list the operations in order through harvest and hauling of this crop to storage or first point of sale; and     □ Preparing for Irrigation □ Planting											
	•	maintain the	1 Y		des for Columr	n 5				☐ Harv	lizer & Pesticide app vesting & Hauling to s rst point of sale	
			3 U 4 P 5 P	Inpaid Worke	e or Seasonal V Worker	Vorker	C	Office U Lines in 1 0499		☐ Com	e & Gypsum/land plas post & Non–comme oplications	• •
1	2	3	4	5	Jaioi		If Colu	umn 5 = cc	ode 6. s	مه kip columns	•	
					6	7	_		)R	9	10	11
L N E	SEQUENCE	What operation or equipment was used?	[Record machine code from Respondent Booklet.]	Who was the machine operator? [Enter code from above.]	What was the size or swath of the [machine] used?	[Record size unit code.]  1 Feet 2 Row 3 Moldboard bottoms Hauling 4 Pounds 5 Bushels 6 Tons	Hovacro	w many es were vered? CLUDE I forming I hauling erations.	How hours on la and la back bordit mou	many total were spent nd forming I hauling? Example: khoes, disk der maker, cher, rear nted blade, ks, wagons, rklift etc.]	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 <sup>1/</sup> 99 Self-Propelled	What was the fuel type of the tractor? [Record fuel type only if Column 10 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			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

<sup>1/</sup>If trucks other than pick–ups are used as the power source, use truck codes in Respondent Booklet

13 87

14 87

15 87

17 87

Office Use

[Er	[Enumerator Action: Were machine or equipment codes reported in item 1?]							
	4029 <sub>1</sub> Yes – Continue	<sub>3</sub> No – Go to item 3			Code			
2.	Were any of the machines or equipment rep during 2023?	orted in Columns 2 or 3 of item 1 purchased new	Yes = 1 No = 3	4030				

[If item 2 = 1, continue. Otherwise go to item 3.]

1	2	3
Machine purchased new in 2023	[Record machine code from respondent booklet.]	Dealer's list price of the machine. (This should be the "sticker price", not including discounts or trade–in values for used machinery.)
	Code	Dollars
4031	4032	4033
4034	4035	4036
4037	4038	4039
4040	4041	4042
4043	4044	4045

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 2023 oat crop.
 EXCLUDE labor that was reported for field work performed by machines.

	How many hours did (type of worker) spend on the selected field—							
	1	3						
	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					

4.	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 1	Total Dollars per Week	AND	Number of Hours Worked Each Week
	EXCLUDE custom and contract workers, payroll taxes and benefits			2119		3119
		<u> </u>	J			
5	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
Ο.	hired workers on the selected field? EXCLUDE custom	1118		2118		3118
	and contract workers, payroll taxes and benefits	•				
						Code
					Yes=1	1116
6.	Was any contract labor used on the selected field?				No=3	
[If it	tem 6 = 1, continue. Otherwise go to item 7.]					Dollars & Cents Per Acre
	a. What was the average cost per acre for this contract la					1117
	INCLUDE operator, landlord, and contractor costs					•
7.	What percent of the total number of unpaid hours worked of	on the selected fi	eld w	as performed by		Percent
•	workers under 16 years of age? Estimates of labor costs f	or unpaid worker	s are	based on off-fa		1120
	wage rates, which are different for workers under 16 relative	e to those 16 an	d old	er		
0	No. 1 and 1 and 2 females and 1 and 2 females are 1 and 2 females		4		41	
8.	Now I need some information on how much was spent or verthe 2023 oat crop.	wiii be spent for c	ustor	n services used	on the	selected field for
	1					2
	Custom Service					cluding operator,
						landlord, and tractor costs, how
	Which of the following services v				mu	
	William of the following services v	vere performed			[c	ch was spent for column1] on the
	for the 2023 oat crop on the se				[c sele	ch was spent for column1] on the ected field for the
	for the 2023 oat crop on the se	elected field?			[c sele	sch was spent for column1] on the ected field for the 2023 oat crop?
		elected field?			[c sele	ch was spent for column1] on the ected field for the
	for the 2023 oat crop on the se	elected field?			[c] selection 2	ch was spent for column1] on the ected field for the 2023 oat crop? Dollars & Cents per Acre
	for the 2023 oat crop on the set [Check box for each service performed; refer to item 1 if a custom land preparation, shaping and/or leveling]	elected field? necessary.]			1121 	ch was spent for column1] on the ected field for the 2023 oat crop? Dollars & Cents per Acre
	for the 2023 oat crop on the se [Check box for each service performed; refer to item 1 if it	elected field? necessary.]			1121 	ch was spent for column1] on the ected field for the 2023 oat crop?  Dollars & Cents per Acre
	for the 2023 oat crop on the set [Check box for each service performed; refer to item 1 if a custom land preparation, shaping and/or leveling]	elected field? necessary.]			[c] sek	ch was spent for column1] on the ected field for the 2023 oat crop?  Dollars & Cents per Acre
	for the 2023 oat crop on the set [Check box for each service performed; refer to item 1 if a. Custom land preparation, shaping and/or leveling b. Custom cultivating?	elected field? necessary.]			[c selk 2	ch was spent for column1] on the ected field for the 2023 oat crop?  Dollars & Cents per Acre
	for the 2023 oat crop on the set [Check box for each service performed; refer to item 1 if real a. Custom land preparation, shaping and/or leveling b. Custom cultivating?	elected field? necessary.]			[c selk 2	ch was spent for column1] on the ected field for the 2023 oat crop?  Dollars & Cents per Acre
	for the 2023 oat crop on the set [Check box for each service performed; refer to item 1 if real a. Custom land preparation, shaping and/or leveling b. Custom cultivating?	elected field? necessary.]			1121 1122 1123 1124	ch was spent for column1] on the ected field for the 2023 oat crop?  Dollars & Cents per Acre
	for the 2023 oat crop on the set [Check box for each service performed; refer to item 1 if a. Custom land preparation, shaping and/or leveling b. Custom cultivating?	elected field? necessary.] ?	lars & d	cents per acre)	1121 1122 1123 1124	ch was spent for column1] on the ected field for the 2023 oat crop?  Dollars & Cents per Acre
	for the 2023 oat crop on the set [Check box for each service performed; refer to item 1 if refer to item 1 i	elected field?  necessary.] ?  arvested in field = Doll ge or point of firs	lars & d	cents per acre)	1121 1122 1123 1124 1126	ch was spent for column1] on the ected field for the 2023 oat crop?  Dollars & Cents per Acre
	for the 2023 oat crop on the set  [Check box for each service performed; refer to item 1 if it  a. Custom land preparation, shaping and/or leveling  b. Custom cultivating?	elected field?  necessary.] ?  arvested in field = Doll ge or point of firs = arvested in field = Doll	lars & d	cents per acre)	1121 1122 1123 1124 1126	ch was spent for column1] on the ected field for the 2023 oat crop?  Dollars & Cents per Acre

Code

9.		re the oats harvested and hauled from the selected field dried (or will be dried) before they re sold or stored?	2748	
10.		you hire or receive any technical or consultant services to make recommendations such as nutrient, pest control, irrigation, or precision farming for the selected field?	1196	
[If i	tem	10 = 1, continue. Otherwise, go to item 14.]		
11.	Wh	ich of the following technical or consultant services did you obtain to make recommendations for the	selec	cted field?
	a.	Nutrient recommendations/management service?	Yes=1 No=3	1129
	b.	Soil or tissue sample collection?	Yes=1 No=3	
	C.	Pest control recommendations/management service?	Yes=1 No=3	
	d.	Pest scouting?	Yes=1 No=3	1132
	e.	Irrigation management service (i.e. irrigation scheduling)?	Yes=1 No=3	
	f.	Yield map or remote sensing map development/interpretation?	Yes=1 No=3	
	•	Other custom or technical service? [Specify:]	Yes=1 No=3	1135
-	-	item in 11a–g = 1, continue. Otherwise go to item 14.]	ı	Code
12.		re any of the technical or consultant services listed in item 11a–g provided to you at no cost were partially reimbursed by the Natural Resources Conservation Service (NRCS)?	Yes=1 No=3	4046
13.	ser of s	res to any of the services in items 11a–g, what was the cost for all of these vices? INCLUDE operator, landlord, and contractor costs. EXCLUDE cost soil or tissue tests or scouting costs previously reported. Do not report per Acre tests for any of these services reported above if they were previously reported part of the cost of materials and/or application.	OR	Total Dollars
14.	Ple	ase 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—		Code
		i. Paper hard copy?	Yes=1 No=3	2485
		ii. Personal computer?	Yes=1 No=3	
		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
[lf i	tem	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? 1/			
		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					

[If item 15a column 2 = 1, continue to item 16. Otherwise go to item 17.]

16. Did you use the yield monitor information to—							
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 item 15 column 2 = 1, continue. Otherwise go to item 19.]							

17. Using data collected from the previous tools table in item 15, did you obtain crop management recommendations, such as data interpretation, in 2023 for the selected field from any of the following—

			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

[If any item 17a-d = 1, ask--]

What was the cost for all of these services? INCLUDE operator,
landlord and contractor costs. EXCLUDE costs for any of these
services if they were previously reported as part of the costs of
materials and/or application

Dollars & Cents per Acre	OR	Total Dollars
3150		3151
•		

		27							
-		15g column 2 = 1, continue. Otherwise go to item 19.] the selected field, did you use the UAV for any of the following purposes?			Code				
a. Weed analysis?									
	b.	Yield analysis?		Yes=1 No=3	3165				
	c.	Moisture analysis?		Yes=1 No=3	3166				
19.		as any of the following GPS–enabled (Global Positioning System) equipment the selected field in 2023?	used to produce	oats	Code				
	a.	Mounted in–cab heads–up displays?			2155				
	b.	Smart phones or computer tablets?		Yes=1	2156				
		Automatic section control, such as auto sprayer boom controls or automatic offs?	section shut	Yes=1	2165				
20.	No=3 OR	Total Dollars							
		uipment if they were previously reported as part of the costs of materials d/or application	. <u>2166</u>		2107				
21.		ere any automated guidance systems (i.e. auto–steer), excluding Light Bar, u lected field?		Yes=1 No=3	Code 2148				
[lf i		n 21 = 1 continue, otherwise go to item 21f.]		110 0					
		2	New, owned? Used, owned?		Code 2158				
	a.	Was the automated guidance system	Leased?		Year				
	h	What year was the automated guidance system first purchased?			2159				
	υ.	what year was the automated guidance system hist purchased:	Dollars & Cents						
			per Acre	OR	Total Dollars				
	C.	What is the replacement cost for the automated guidance system?	2160 . •	_	2161				
	d.	What is the annual fee for the automated guidance system?	2162	_	2163				
	e.	For what reasons did you choose to use an automated guidance system? (	Select all that ann	dv )					
	U.	4047 Increase yields $4048$ Reduce input costs $404$	□ <b>□</b>		itigue				
		4050 Improve soil conditions 4051 Technology came "standard" 405 (i.e. soil compaction) on my equipment		ironme					

[If item 21 = 3, ask—]

4053 Other

5 2. 6, den 1		
f. For what reasons did you choose not to use a	an automated guidance system? (Selec	t all that apply.)
4054 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

Code	
Vac=1 2164	1

No=3

22. Was a variable rate applicator used on the selected field?.....

[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	4	5	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	Codo	Codo	Voor	Total Dallara
	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

	<u>-</u>	Acres
How many acres in the selected field were irrigated for the 2023 oat crop?		1160
[If none, go to Conclusion]	L	
2. Now I have some questions about the irrigation systems and water used on the selected fie	eld for the 202	23 oat crop.
	Unit	System
What type(s) of irrigation system(s) was (or were) used to irrigate the selected field?  [Show System Type Codes in the Respondent Booklet. Enter System Type Code for the system covering the most field acres.]	System Type Code	1161
	Inches per Acre OR	1162
<ul> <li>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</li> </ul>	Total Acre Feet	1163
[If operator cannot provide item 2b, ask (i) and (ii). Otherwise go to 2c]		
What is the total number of hours this system was used to apply water to the selected field during the oat growing season?	Total Hours	1164
ii. How many gallons per minute were applied?	Gallons per Minute	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 oat growing season using this 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
99 No Pump		_
f. What was the average pumping rate?	Gallons per Minute	1169
[If item 2a = code 1–9 (Pressure System), ask—]		
g. What was the system operating pressure?	Pounds per Square Inch	1170
1 Diesel 2 Gasoline		
h. 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 No Pump was used, item 2e = 99, ask—]		
j. What was the average flow rate?	Gallons per Minute	1173
k. How many other acres on this operation were irrigated using the selected field's irrigation system during the 2023 growing season? EXCLUDE the selected field	Acres	1174

	Dollars & Cents	OR	Total Dollars
3	What was the cost of the fuel or electricity used to irrigate the selected field? 1189	ا ا ا	1190
٥.	INCLUDE operator, landlord, and contractor costs		1130
		⊒ !	Code
4	Was any water purchased to irrigate the selected field? INCLUDE landlord's share and	V	1191
••	purchases from all sources	Yes=1 No=3	
[lf	item 4 = 1 continue. Otherwise go to item 5.]		
-	Dollars & Cents		
	a. What was the total cost for the water purchased for the selected field during per Acre	OR	Total Dollars
	the 2023 growing season? INCLUDE operator, landlord, and contractor costs and ditch maintenance costs for the selected field		1194
Γlf	siphon tubes were used, item 2a = 10 or 11, ask—]		Total Dollars
Į	ophon taboo wore assa, nom za To or TT, ask ]	Ī	1201
5	What would be the total cost to replace all the siphon tubes used on the selected field?		1201
	· · · · · · · · · · · · · · · · · · ·		Tatal Dallana
-	poly pipe system was used, item 2a = 14, ask—]	- 1	Total Dollars 1202
б.	What was the total amount spent for poly pipe used on the selected field during the 2023 growing season? INCLUDE operator, landlord, and contractor costs		1202
[lf	gated pipe system was used, item 2a = 15 or 16, ask—]		Inches
7	NAME at the contract of the co		1203
1.	What was the average diameter of gated pipe used to irrigate the selected field?		Foot
		I	Feet 1204
	a. What was the total length of gated pipe used?		1204
[If	Pipe systems were used, item 2a 10, 11, 14, 15 or 16, ask—]		Code
0	Were wells used to supply irrigation water for the selected field?	Yes=1	1205
	Were wells used to supply irrigation water for the selected field?	No=3	
Įπ	item 8 = 1 continue. Otherwise go to item 9.]	I	Number
	a. How many wells were used to irrigate the selected field?		1206
	·		Inches
		ļ	1207
	b. What was the average diameter of the outer well casing?		
	c. What was the average pumping depth of these wells during the irrigation season? Pumping of		Feet
	is the depth to water at the start of the irrigation season, plus an average decline in the water caused by pumping during the irrigation season		1208
			Code
	d. Were other fields irrigated using water pumped from wells that supplied water to the selected field?	Yes=1 No=3	1210
[lf	item 8d = 1 continue. Otherwise go to item 9.]		Acres
	e. Excluding the selected field, how many other acres on this operation were irrigated using the	same	1211
	wells during the 2023 growing season?		•
			Code
9.	Was any additional mainline or lateral pipe used to carry water from the source to the system in the same wells during the 2023 growing season?	Yes=1 No=3	2211
[lf	item 9 = 1 continue. Otherwise go to Conclusion.]	!	Inches
			1212
	a. What was the average diameter in inches of the most common type of this additional pipe use	ed?	
	an indicate the average animotor in money of the comment type of the case in t	i	
	ы толын нас ало ало адо аштоог толоосо ало тоского уро стало аштоого дого		Feet
	b. How many feet of this additional pipe were used to bring water to the selected field?		Feet 1213

Skip to next page

OR

**Space for Notes and Comments** 

Practice finding the Lat Long of your house.

## **CONCLUSION**

Loca	tion of	Select	ed Fiel	d											
I nee	ed to loc	ate th	e selec	cted field of oat	ts on this m	ар.			(	County	/ Name		5		e Use ty FIPS Code
1 V	What on	unty i	o tha ac	alastad aat field	d in C						<u> </u>		00	10	
1. V	viiai 60	unity is	5 1116 56	elected oat field	J 111 f		LATITUI						LONG	<u></u> ITUDE	
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4. 8	Supplen	nents	Used –	[Record the	total numb	er	of each type	of su	ıppleme	nt us	ed to co	mplete	this in	nterview.	]
				Number					Numb	er					Number
	Fertilize	er Supr	olement.	0041	Pestici	de S	Supplement		0042		Field C	Operatio	ns		0043
Con	act Info														
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9921		9922		9923	9927		9928	923		9907		922		9906	9916
	Res	ponse	ı	Respo	ndent		Мос	de		E	Enum.			POID	•
1-Cor 2-R			9901	1-Op/Mgr 2-Spouse	9902		PATI (tel) PAPI (Face-to-	9903		9998		9989			
3-Ina 4-Offi	ce Hold			3-Acct/Bkpr 4-Partner 9-Other			Face)					9900	Eval.	998	Change

Fill out this part with your enumerator info