AGRICULTURAL RESOURCE MANAGEMENT SURVEY



ID

VERSION

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C-TYPE

WHEAT PRODUCTION PRACTICES AND COSTS REPORT FOR 2017

TRACT

01

SUBTRACT

CONTACT RECORD								
DATE	TIME			NOTES	S			
INTRODUCTIO		operato	r. Rephrase in your own	words.]				
possible. The info willfully discloses accordance with t For more informat	We are collecting information on the practices and costs used to produce wheat and need your help to make the information as accurate as possible. The information you provide will be used for statistical purposes only. Your responses 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 provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: https://www.nass.usda.gov/confidentiality . Response to this survey is voluntary.							
collection of inform 0218. The time re- instructions, search information.	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 control number for this information collection 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. We encourage you to refer to your farm records during the interview.							
	ннм	M					SCREENING BOX	
BEGINNING T							0006	
☐ [Name, add	ress and partne	rs verifie	ed and updated if nece	essary]				
POID				POID				
PARTNER NAME				PARTNER NAME				
ADDRESS				ADDRESS				
CITY	STATE	ZIP	PHONE NUMBER	CITY	STATE	ZIP	PHONE NUMBER	
POID				POID				
PARTNER NAME				PARTNER NAME				
ADDRESS				ADDRESS				
CITY	STATE	ZIP	PHONE NUMBER	CITY	STATE	ZIP	PHONE NUMBER	

TOTAL PLANTED

					ACRES	
ļ	How many acres of wheat did this operation plant for the 2017 crop yearlier lands of the Screening Survey Information Form, make notes, then go to bage]	o item 4	on back	. 005	0	·
b.	Of the total (item 1) acres, how many were planted as					
		TOTAL	_ ACRES	_	NUMBER OF	:
	(i) Winter Wheat?	51		+	3051	
	(ii) Durum Wheat?	52	•	+	3052	
	(iii) Other Spring Wheat?	53		+	3053	
	I will follow a simple procedure to make a random selection from t planted for the 2017 crop.	he whea	t fields			
					TOTAL NUM	
2	2. What is the TOTAL number of wheat fields that were planted on the [If only one field enter "1" and go to item 5.]	is opera	ition?		0020	
3	. Please list these fields according to identifying name/number or dother I will tell you which field has been selected.	escribe (each field,			
	[If there are more than 18 fields make sure item 2 is TOTAL fields pand list only the 18 fields closest to the operator's permanent reside If respondent is unable to identify or describe the fields, use the Fie	olanted, ence. eld Select	tion Grid Su _l	ppleme	ent.]	

FIELD NAME, NUMBER OR DESCRIPTION

FIELD NAME, NUMBER OR DESCRIPTION

1	10
2	11
3	12
4	13
5	14
6	15
7	16
8	17
9	18

APPLY	"RANDOM	NUMBER"	LABEL	HERE

4.	[ENUMERATOR ACTION: Circle the pair of numbers on the above label associated with the last numbered field in item 3. Select the field according to the number you circled on the label, and record the selected number. If only one field, enter 1.]	SELECTED FIELD NUMBER 0021
5.	The field selected is (field name/number/description).	
	During this interview, the wheat questions will be about this selected wheat field. [Be sure the operator can identify the selected field.]	
6.	For the randomly selected field above, please provide the Farm Service Agency (FSA):	
	a. Farm Number (up to 8 digits)	1070
	b. Tract Number (up to 7 digits)	1071
	c. Field Number (up to 4 digits, exclude subfield letters).	1072
		UNIT CODE 1 = WINTER WHEAT 2 = SPRING WHEAT 3 = DURUM WHEAT
7.	In the randomly selected field (Item 4), what kind of wheat was planted in this field?	1073
		OFFICE USE OY Field Substituted
		0022
	l	

В

			ACRES
1.	How many acres of wheat did this operation plant in this field for the 20	17 crop?	1301
•			' ' ' '
			CODE
	a. Are the acres in this field CERTIFIED ORGANIC ?	YES =	1300
	[If NO , skip 1b and ask item 2.]		
	b. What was the cost, per acre, for third party organic certification?		1891 • <u> </u>
			CODE
2.	 Were the acres in this field Were the acres in this field owned by this operation? rented for CASH with the payment being amount? 		1302
	4 rented for a SHARE of the crop? 5 rented for some combination of CASH at used RENT FREE?	nd SHARE of the crop?	
3.	[If field is CASH RENTED (item 2 = 2, 3 or 5), ask item 3, else go to item 4.]		DOLLARS & CENTS PER ACRE
	What was the cash rent paid per acre for this 2017 wheat field?		1303
			PERCENT
4.	[If field is SHARE RENTED (item 2 = 4 or 5), ask] What was the landlord's share of the crop from this field?		1304
5.	[If field is RENTED (item 2 = 2, 3, 4,or 5), ask]		
	What was the total cost for all inputs provided by any landlord for the 2017 crop on the selected field? (Include the costs for all inputs, such as	R TOTAL DOLLARS	
	seed, fertilizer, chemicals, technical services, custom operations, drying and irrigation. Exclude real estate tax expenses and lime costs paid by the landowner.)	1305	1306
3.	What was the total cost for all inputs provided by any contractor for the 2017 crop on the selected field? (Include the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, drying and irrigation.)	DOLLARS & CENTS PER ACRE 1309	TOTAL DOLLARS
7	What year did you (the operator listed on the label) start operating this field?.		YEAR 1312
٠.	triat year and you (the operator listed on the label) start operating this neture.		
			MM DD YY 1308
3.	On what date was this field planted?		
			BUSHELS PER ACRE
	What was your yield goal at planting for this field?		1311
	1 Dual purpose (grain and	d grazing)?	
	b. When planted, was this wheat field planted with the intention of (Include wheat planted for commercial cover crop? (Include wheat planted for commercial cover crop?		CODE 3117

0	What was the same of the wheet and?	1 Purchased?		CODE
9.	What was the source of the wheat seed?	2 Homegrown or traded? 3 Both?		1317
	[If item 9 = 2 or 3, ask]			DOLLARS & CENTS PER POUND
	What was the cost per pound for cleaning and treat	ting this sped?		1321
	[If item $9 = 2 \text{ or } 3$, ask]	ing this seed:		PERCENT
	b. How much of the wheat seed planted in this field w	as arown (or received in trad	۵)	1318
	by this operation?			
10.	[If any seed purchased (item 9 = 1 or 3), ask]		DOLLARS & CENTS PER UNIT	UNIT CODE 1 = POUNDS 2 = CWT 3 = TONS 4 = BUSHEL 22 = ACRE 23 = 50 LB BAGS
	What was the total cost per unit (including both your		1319	1320
	of purchased seed for this field? (Include cost of se	eed treatment.)	·	
			NUMBER OF UNITS	UNIT CODE 1 = POUNDS\ACRE 2 = CWT\ACRE 3 = TONS\ACRE 4 = BUSHELS\ACRE 23 = 50 LB BAGS\ACRE
11	. What was the seeding rate per acre the first time the		1313	2314
	field was planted?		· <u> </u>	
				ACRES 1315
12	 How many acres in this field had to be replanted to (Acres replanted = Number of acres x Number of time 	o wheat? ·s replanted.)		
		, ,		
13.	Did you plant an herbicide resistant wheat			
	(such as Clearfield) seed variety on this field			CODE
	a. for harvest in 2017?		YES = 1	1403
				1402
	b. for harvest in 2016?		YES = 1	
	For the 2017 wheat crop, did you purchase pre-treated	seed or have the seed treate	d after purchase	
Witr	n a fungicide or insecticide?			CODE
			YES = 1	
[<i>If</i>	item 14 is yes, ask 14a]		CODE	1
a.	Enter the appropriate product code from the Responde (enter 3 if a seed treatment was not applied, 999 if a s the product is not listed.		2325 ut	
				CODE
			YES =	1328

16. Please report the following **information about the acres harvested** (or to be harvested) **and the yields from this field.**

How many acres in this wheat field were (or will be)		What yield per acre did you (or do you expect to) get for wheat	2 UNIT CODE 1 Pounds 2 CWT 3 Tons 4 Bushels	
	ACRES	UNITS PER ACRE	CODE	
a. harvested for grain?	1346	1347	1348	
b. harvested for hay, silage or green chop?	1349	1350	TONS	
c. harvested for commercial seed contract?	1431	1432	1433	
d. abandoned?	1351			
e. used for some other purpose?	1439			

17.	Wa	s straw harvested from this field?	CODE
		VES. [Enter code 1 and continue]	1520
	Ш	YES - [Enter code 1 and continue.]	ACDEC
			ACRES
40			1521
18.	HO	w many acres of wheat straw were harvested from this wheat field?	·
	a.	How many tons of wheat straw were harvested from	
		these wheat acres (item 18)?	TOTAL TONS
		y 2000	1522
Ton	s per	Acre X Acres = Total Tons OR Bales X Lbs per Bale ÷ Lbs per Ton Total Tons	
		PERCENT OR	TONS
	b.	Of the total wheat straw harvested from this field (<i>item 18a</i>), what	1524
		was the landlord's share of the wheat straw?	
			TOTAL DOLLARS
	C.	What was the total cost of baler twine/wire used to bale the wheat straw	1525
		from this field? (Include landlord's share.).	
		r	OOLLARS & CENTS
	d.	[If any wheat straw was sold, ask]	PER TON
		What was the price received per ton for all wheat straw (item 18a) sold from	1526
		this field?	· <u> </u>
		L. C.	

		1 Cattle				
19. V	What type of livestock grazed this wheat field	2 Sheep				ODE
c	during the 2017 crop year? (Include livestock	3 Other [Specify:]		3147	
-	razing before wheat harvest and livestock "grazing-out" he field instead of harvesting wheat.)	4 Not grazed				
If Ite	em 19 is 4, go to Item 20, otherwise ask]				H	HEAD
a	a. About how many head of livestock (<i>item 19</i>) graze	ed this wheat field?			1362	
						DAYS
h	o. How many days did this livestock graze on this wh	neat field?			1363	
`	How many days and this investock graze on this will	icat noia :				
						CODE
					306	60
	c. Was this wheat field "grazed-out" instead of ha	arvested for grain?		YES	5 = 1	
	d. Were the livestock that grazed this wheat field	owned by this operation	1?	YES	S = 1	
			DOLLARS &			
	[If livestock NOT owned by this operator grazed on the	is field, ask]	PER ACI	RE O		TAL DOLLARS
	e. What is the total dollar amount received from a livestock grazing on this field? (<i>Include</i> landla		3150		3151	1

	CROP CODE LIST for item 20 – PREVIOUSLY PLANTED CROPS								
190	Barley	3	Dry Beans	21	Rice	193	Tobacco, burley		
85	Canola	17	Dry Peas	22	Rye	196	Tobacco, flue cured		
310	Clover	311	Grasses other than clover	98	Safflower	42	Vegetables		
6	Corn for grain	1	Hay, alfalfa	25	Sorghum for grain	163	Wheat, durum		
5	Corn for silage	11	Hay, all other	24	Sorghum for silage	164	Wheat, other spring		
282	Cotton, Pima	94	Mustard Seed	26	Soybeans	165	Wheat, winter		
281	Cotton, Upland	15	Oats	28	Sugarbeets	321	Perrennial from previous year		
302	CRP	16	Peanuts	30	Sunflowers	318	No crop planted		
320	Cultivated Fallow	20	Potatoes	31	Sweet Potatoes		during this period		

20. Please report what crops were previously PLANTED on the majority of this field, including cover crops.

1 What crops were PLANTED on this	Was this a cover crop?	How did you manage this crop?		Was this field no-tilled or strip-tilled?		
SEASON AND YEAR	CROP NAME	CROP CODE	YES = 1	1 Plowed-in 2 Chisled-in 3 Chemical-killed 4 Rolled 5 Grazed 6 Harvested 7 Disked	YES = 1	1/ YES = 1
	CROP NAME	1343	1470		2344	1345
a. FALL of 2016?						
b. SPRING/SUMMER of 2016?		1369	1472	1473	2370	1371
c. FALL of 2015?		1372	1474	1475	2373	1374
d. SPRING/SUMMER of 2015?		1375	1476	1477	2376	1377
e. FALL of 2014?		1378	1478	1479	2379	1380
f. SPRING/SUMMER of 2014?		1381	1480	1481	2382	1383
g. FALL of 2013?		1366	1482	1483	2367	1368
h. SPRING/SUMMER of 2013?		1340	1484	1485	2341	1342

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

[If a cover crop was planted in Spring/Summer/Fall 2016, ask--]

DOLLARS	& CENTS
PER	ACRE

		1468	
i.	What was the seed cost per acre for the cover crop?	·	

21. Which of the following resource concerns do you have on this field?

	RESOURCE CONCERNS	CODE YES = 1	Have you received technical assistance from the following sources to evaluate this res concern? (Report up to 3 sources that received assistance from.) 1 USDA-NRCS 2 Cooperative Extension Service 3 Other USDA staff, including Forest Service 4 Other (e.g. Soil and Water Conservation District agency) Source 1 Source 2 Source			
a.	Water-driven erosion	2407	2417	2427	2437	
b.	Wind-driven erosion	2408	2418	2428	2438	
C.	Soil compaction	2409	2419	2429	2439	
d.	Poor drainage	2410	2420	2430	2440	
e.	Low organic matter	2411	2421	2431	2441	
f.	Water quality	2412	2422	2432	2442	
g.	Other concerns	2413	2423	2433	2443	
h.	No significant concerns	2414	2424	2434	2444	

22. Which of the following conservation practices or plans are used on this field?

	1	2	3		4	5
				Have you ever tim	Does this practice or plan help	
COI	NSERVATION PRACTICES or PLANS			Technical or planning assistance?	Financial assistance?	satisfy?
		Was this practice or plan used in 2017?	In which year did you first use this practice or plan on this field?	USDA including funding of Technical Service Providers Soil Conservation District or State Agency Other Sources of Outside Assistance No assistance needed	1 Environmental Quality Incentives Program (EQIP)? 2 Conservation Reserve Program (CRP)? Conservation Stewardship Programs (CSP)? 4 Oher Federal, State, Local program 5 No assistance needed	A federal regulatory requirement? A state or local regulatory requirement USDA conservation compliance provisions Does not relate to any regulation or compliance requirement
		YES = 1	YEAR	CODE	CODE	CODE
a.	Conservation tillage [include No-till/Direct seeding, mulch till, and ridge till]	706	1449	726	736	746
b.	Cover crops [include grasses, legumes, forbs, or other herbaceous plants for seasonal cover and conservation]	707	617	727	737	747
C.	Structural practices to conserve soil? [include grass waterways, terraces, grade stabilization, contour buffer strips, etc.]	708	618	728	738	748
d.	Nitrogen application practices? [Include splitting nitrogen applications 50 % after crop emergence, applying nutrients 30 days prior to planting, precision application of nutrients, or using controlled release fertilizer]	709	619	729	739	749
e.	Conservation plan specifying practices to reduce soil erosion?	702	612	722	732	742
f.	Nutrient management plan specifying practices forFertilizer applicationManure application	703	613	723	733	743
g.	Pest management plan to implement Integrated Pest Management (IPM) to control weeds, insects, or disease?	704	614	724	734	744
h.	Irrigation water management plan specifying irrigation practices?	705	615	725	735	745

prog	is field included in an existing conservation prog grams for which you or the landlord have received wardship payments, or incentive payments?	(or expect to I	receive) cost	sharing pa		
					_	CODE
a.	Environmental Quality Incentives Program (EQIP)?.				YFS = 1	2236
b.	Conservation Security or Conservation Stewardship	l l	2240			
C	Conservation Reserve Program (CRP)?				ŀ	2244
C.						2248
d.	Other Federal, State, Local or non-government sou	rce?			YES = 1	
State	ng the last four years, did you apply for conservation fe, or local program, for this field?	unding, eithe	r through an	y Federal,	YES = 1	2357
25. If y	24=1, go to Item 26] you did not apply for conservation program fundir asons?	ng for this fie	ld in the pa	st four year	s, what w	ere your
		Don't Know	Not a Reason	Minor Reason	Major Reason	CODE
a.	I was not aware of USDA or other conservation programs.	<u></u> 1	<u></u>	<u></u> 3	□ 4	2358
b.	I am not aware of environmental problems on this field.	<u></u> 1	<u>2</u>	<u>3</u>	<u></u> 4	2359
C.	Payments are not high enough.	<u></u> 1	<u>2</u>	<u></u> 3	<u></u> 4	2360
d.	Government standards make practices more					2361
	expensive than they need to be to get the job done.	<u></u> 1	<u>2</u>	3	<u></u> 4	
e.	My offer would not have been accepted because my farm is not eligible or my fields would not have ranked high enough.	<u></u> 1	<u></u> 2	□ 3	<u></u> 4	2362
f.	The application process and documenting compliance is too complicated and time					2363
g.	consuming. It was too difficult to obtain the technical	1	2	3	4	2365
9.	assistance needed to prepare an application	1	_2	3	<u></u> 4	
	uring the past 4 years, was this field included in an ap t been funded?	plication that	was rejecte		YES = 1	
ра	as the Natural Resource Conservation Service (NF or this field as "Highly Erodible"? (Cropland ident	ified as highly	erodible is su		_	CODE
rec	odible land conservation (HELC) requirements. Producers valuired to have (and apply) a written soil conservation plan.) cordance with Federal, State, or district standards.)	(A "written pla	n" is a plan p	repared in	YES = 1	1404
					<u>.</u> [1405
28. Ha	eve you been notified by NRCS that this field cont	ains a wetlan	ıd?		YES = 1	

29. Wł	nat is the slope of this field	 Nearly level (0-2%) Even, Moderate grade (3-9%) Variable, Moderate grade Even, steep grade (over 10%) Variable, Steep grade 	2400
30. Wł	nat is the primary soil type of this field	1 Loam 2 Clay 3 Sandy 4 Mixed	CODE 2401
31. Di	d the land use practices for this field include sul	osurface drainage? YES = 1	CODE 2402
[If `	YES, ask]		
a.	In what year was the subsurface drainage inst	talled?	YEAR 2403
b.	What is the average depth of your drainage sy	stem?	2604
C.	What is the diameter of your tiles?		
			HOURS
d.	On average, how many hours does it take your following a heavy storm?	r field to return to normal soil moisture levels	2606
e.	Does this system include a mechanism for confloat mechanisms)?	atrolled drainage (e.g. stop logs, risers, or	2406
			CODE
32. W	as the wheat in this field covered by a crop hail	insurance policy? YES =	
[If Yes	s, ask]		DOLLARS & CENTS PER ACRE
a.	What was the dollar amount of coverage per a	acre for the hail insurance policy covering this field?	PERCENT
b.	What was the percent deductible for the hail in deductible as 0%)	nsurance policy covering this field? (Record no	DOLLARS &
			DOLLARS &
C.	What premium did you pay for the hail insurar	nce policy covering this field?	

3.	wa	s the wheat in this field covered by Federal	Crop Insurance in 2017?	CODE
		☐ YES – [Enter code 1 and continue.]	□ NO – [Go to Section C.]	1385
	a.	Which coverage did you obtain?	 Federal CAT (Basic catastrophic insurance) Yield based (Individual) Yield plus SCO (Supplemental Coverage Option) Revenue based (Individual) Revenue plus SCO (Supplemental Coverage Option) Other Federal Crop insurance 	CODE 1386
	b.	[If item a = 2 or 3, ask]		PERCENT
			erage for this field?	1387
	C.	[If item a = 4 or 5, ask]		PERCENT
		vynal was the level of revenue coverage you	obtained for this field?	1

C

	_
•	-

			CC	DDE E	DIT TABLE
1.	2017 wheat crop? (Include those	·	0202	0200)
	<u>contractors</u> .)	YES	= 1		
	[If COMMERCIAL nutrient or fertili	zer applied, continue; else go to item 6.]			NUMBER
2.		or fertilizer applications were made to this f lications made by airplanes and custom applica		0203	3
3.	Now I need to record informatio	n for each application.			
ı	CHE	CKLIST			
I √	I INCLUDE	√ EXCLUDE			
	Custom applied nutrients and fertilizers	☐ Micronutrients			
$_{I}^{I} \bigsqcup$	Nutrients or fertilizers applied for this crop.	Unprocessed manure			
I I		Nutrients or fertilizers applied to previous crops in this field			
	Commercially prepared manure or compost		Office Use nes in Table	TABLE 001	0299

APPLICATION CODES for	r COLUMN 6
1 Broadcast, ground without incorporation	5 In irrigation water
2 Broadcast, ground with incorporation	6 Chisel/Injected or knifed in
3 Broadcast, by aircraft	7 Banded in or over row

8 Foliar or directed spray

			2		3	4	5	6	,
L I N E	poun	Enter percentage ds of plant nutri now Common N	ents applied pe	er acre.]	What quantity was applied per acre? [Leave this column blank if actual nutrients were reported.]	[Enter material code.] 1 Pounds 12 Gallons 19 Pounds of actual nutrients	When was this applied? 1 More than one month before seeding 2 Between one day and one month before seeding	How was this applied? [Refer to code list above.]	How many acres were treated in this application?
	N Nitrogen	P2O5 Phosphate	K2O Potash	S Sulfur			3 At seeding 4 After seeding		ACRES
01	31	32	33	34	36	37	38	39	40
02	31	32	33	34	36	37	38	39	40
03	31	32	33	34	36	37	38	39	40
04	31	32	33	34	36	37	38	39	40
05	31	32	33	34	36	37	38	39	40
06	31	32	33	34	36	37	38	39	40
07	31	32	33	34	36	37	38	39	40
08	31	32	33	34	36	37	38	39	40

4 In seed furrow

TABLE	LINE
000	00

4.	W	ere any nutrients or fertilizers appl	lied by custom applicate	ors?			
		YES - [Continue]	☐ NO - [Go to item 5]				
	a.	Are you able to report the cost of nucustom application separately?	utrient or fertilizer materia	ils and			FICE USE
		☐ YES - [Continue]	☐ NO - [Go to item 5]			0215	
	b.	Excluding the cost of the nutrient or was spent for custom application of (<i>Include</i> operator, <i>landlord</i> , and contra micronutrients. <i>Exclude</i> custom as manure and purchased compost.) be separated, <i>exclude</i> them here a	f nutrients or fertilizers on actor costs. Include costs in pplication of lime, gypsum [If material and application	this field? for sulfur and n, purchased on costs can't	0219	OR TOTA 0220	AL DOLLARS
5.	ap we thi an se	hat was the TOTAL COST of all number policy to this field? (Include operated) as the costs for sulfur and micronum is field if it was fallow in 2016. Excluded purchased compost.) [If custom apparated from application costs, include herwise. include both the material are	tor, landlord, and contract utrients. Include materials ide lime, gypsum, purcha oplied and the cost of mat ude the cost of materials (tor costs, as samplied to seed manure serial can be ONLY;	DOLLARS & CENTS PER ACRE 0221	OR TOT 0222	AL DOLLARS
						0040	CODE
_						0218	
6.	W	as gypsum applied to this field for	the 2017 wheat crop?.		YES	= 1	
7.	Wa the	as a soil test for Soil Organic Matte e last 10 years?	er performed on this wh	eat field at so	ome point in YES =	3225	
	a.	[If Item 7 = 1, ask]				F	PERCENT
		What was the percentage of Soil O	rganic Matter on the field	for the most re	ecent test?	3226	
						1	NUMBER
	b.	How many times have you tested the	his field for Soil Organic N	Matter in the las	st ten years?	3227	
[If	ans	wer to 7b. is more than 1 ask]					CODE
	C.	Based on these tests, is your Soil	Organic Matter content	1 Increasi2 Decreasi3 Staying	. •	3228	
8		as a soil or plant tissue test perfor 2017 for the 2017 crop?	rmed on this wheat field	in 2016	_		
	Г	YES [Continue.]	IO [Go to item 13.]				
							CODE
9		as a soil test for phosphorus perfo 2017 for the 2017 crop?			YES =	0225 • 1	
	a.	[If Item 9 = 1, ask]					POUNDS ER ACRE
		How many pounds of phosphorus ((per acre) were recomme	nded (by the p	hosphorus test)?	0226	
							CODE
10		as a soil test for nitrogen performe 2017 for the 2017 crop?			YES =	0227 : 1	
	a.	[If Item 10 = 1, ask]					POUNDS ER ACRE
		How many pounds of nitrogen (per	r acre) were recommende	d (by the nitro	gen test)?.	0228	

			CODE		
11. Was a plant tissue test or leaf analysis for field in 2016 or 2017 for the 2017 crop?	r nutrient deficiency performed o		0229		
neid in 2016 or 2017 for the 2017 crop?		YES = 1			
		DOLLARS & CENTS	TOTAL BOLLARS		
40. Harriston and Santhara and all and all	4: 44-	PER ACRE OR	0231		
12. How much was spent for these soil and pl on this field? (<i>Include operator, landlord, a</i>		· <u> </u>	0231		
[If tests were done at no cost continue; otherwise	go to Item 12b]				
a. What is the reason why tests were done	Soil/plant tissue test provided free of c	hargo			
at no cost?	by dealer, crop consultant, or extensio	n sĕrvice.	CODE		
	 Soil/plant tissue test costs were include fertilizer costs reported in item 5. 	ed in the total	0232		
	3 Some other reason				
1.5:1	0. 11. 5		3231		
 b. Did you receive a payment from the Cons stalk or leaf tissue test for Nitrogen application 		performing a YES = 1			
Stalk of leaf assue test for Manageri application:					
[ENUMERATOR ACTION: Refer to the Fertilizer	Table, column 2. If nitrogen (N) wa	as applied.			
-	NO nitrogen applied, go to item 14.]				
13. Was the amount of nitrogen you decided t	to apply to this field based on		CODE		
To: True the amount of malogen you declared	to apply to this held based on		0233		
a. Results of a soil or plant tissue test?.		YES = 1			
			0234		
b. Crop consultant recommendation?		YES = 1			
c. Fertilizer dealer recommendation?		YES = 1	0235		
c. Tertilizer dealer recommendations		YES = 1	0236		
d. Extension Service recommendation?.		YES = 1	0230		
			0237		
e. Cost of nitrogen and/or expected com	modity price?	YES = 1			
f. Contractor recommendation?		V=0 4	0238		
		YES = 1	0239		
g. Routine practice (operator's own dete experience, yield goal, etc.)?	•	YES = 1	0239		
, , ,			CODE		
			0242		
14. Is lime ever applied to this field?		YES = 1			
[If no lime applied, go to item 15; else continue.]			YEARS		
			0243		
 a. On average, how many years are there b 	etween applications of lime to this	field?			
			TONS PER ACRE		
b. How many tons of lime were applied per	acre the last time it was applied to	this field?	0244		
5. Thow many tons of mine were applied per	as a the last time it was applied to	ano noid:	CODE		
			0240		
c. Was lime applied to this field in 2016 or 2	017 for the 2017 crop?	YES = 1			
[If field is rented (Section B, item 2 = 2, 3, 4, c	or 5), <i>ask</i>]		PERCENT		
d. Considering the last time it was applied,		е	0245		

15.	ma		(from own farm, from a neighbor's farm, etc.) or other organic pplied to this field for the 2017 wheat crop? (Exclude		CODE
		YES - [Enter code 1 and cor		0246	
	Ш	TES - [Enter code i and cor	illinde]		ACRES
				0247	1
	a.	How many acres in this field	d was manure applied to?		•
			•		
			CODE UNITS PER ACRE	OR	_ TOTAL
	b.	What was the amount of ma	1 Tons 0248 0249	Г	0250
		applied to this field?	12 (Callone AND		·
			5 Dustiels	-	
	C.	Of the total manure applied	to this field for the 2017		
		crop, what was the percent			PERCENT
		(i) in the fall before plantin	a? +	0254	
		(i) in the fall before plantin	g? +	0255	
		(ii) in the spring before plan	nting? +	0233	
		(iii) after planting?	+	0256	
					100%
			1 Lagoon liquid?		CODE
	d.	Was the manure	2 Slurry liquid? 3 Semi-dry or dry?	0257	
	e.	Was the manure	Broadcast or sprayed <i>without</i> incorporation? Broadcast or sprayed <i>with</i> incorporation? Injected/knifed in? Sprayed using irrigation systems?	0258	CODE
			1 Beef cattle?		
	,	187 (1	2 Dairy cattle?	0050	CODE
	f.	Was the major source of the manure from	3 Hogs?	0259	
		of the manare from	4 Sheep? 5 Poultry?		
			6 Equine?		
			7 Biosolids (<i>municipal sludge</i>)? 8 Food waste?		
			9 Other? [Specify:]		
			1 Produced on this operation? 2 Purchased?		
,	g.	Was the manure	3 Obtained at no cost off this operation?		CODE
			4 Obtained with compensation? (Operator received payment for accepting the manure.)	0260	
		(i) [If item 15i = 2, ask]			
			of the purchased manure applied to this field?		TOTAL
		(Include operator, landl made for transportation o	ord, and contractor costs. Include any payment DOLLARS & CENTS		DOLLAR
		maue ioi transportation (COSIS.) PER ACRE		OR S 285
			0207	02	

field? [Do not report custom application cost if it was included with the purchased manure cost.]	FAL DOLLARS B CODE
(a) [If YES, ask] What was the total cost paid to have manure custom applied to this field? [Do not report custom application cost if it was included with the purchased manure cost.]	8
What was the total cost paid to have manure custom applied to this field? [Do not report custom application cost if it was included with the purchased manure cost.]	8
What was the total cost paid to have manure custom applied to this field? [Do not report custom application cost if it was included with the purchased manure cost.]	8
field? [Do not report custom application cost if it was included with the purchased manure cost.]	
h. Of the manure applied to this field, was any tested for nutrient content	CODE
The of the manare applied to the hold, was any tested for mathem content	CODE
The of the manare applied to the hold, was any tested for mathem content	
prior to application:	261
	CODE
16. Were the manure APPLICATION RATES to this field influenced by Federal,	
State, or local restrictions? YES = 1	
a. [If item 16 is YES, ask]	
What basis was used to determine these manure application rate restrictions	CODE
(i) Nitrogen requirement of the crop?	
(i) Nitrogen requirement of the crop:	
(ii) Phosphorus requirement of the crop? YES = 1	
	CODE
17. Was compost applied to this field for the 2017 wheat crop?	
☐ YES - [Enter code 1 and continue] ☐ NO - [Go to item 18]	
0268	ACRES
a. How many acres in this field was the compost applied?	
11 lons	TAL UNITS
b. What was the amount of compost applied to this field?	
	iter up to 3
	iter up to 3
SOL	irce codes]
1 Beef cattle?	
1 Beef cattle? 2 Dairy cattle?	irce codes]
1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep?	rce codes] FIRST
1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry?	irce codes]
c. Were the major sources of the compost from 1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids (municipal sludge)?	rce codes] FIRST
c. Were the major sources of the compost from 1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids (municipal sludge)? 8 Food waste?	rce codes] FIRST
c. Were the major sources of the compost from of the compost from 1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids (municipal sludge)? 8 Food waste? 9 Crop? [Specify:] 0281 0281 0281	FIRST SECOND
c. Were the major sources of the compost from of the compost from 1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids (municipal sludge)? 8 Food waste?	FIRST SECOND
1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids (municipal sludge)? 8 Food waste? 9 Crop? [Specify:] 0281 0281 0281 0281 0281 0281	FIRST SECOND
c. Were the major sources of the compost from of the compost from 1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids (municipal sludge)? 8 Food waste? 9 Crop? [Specify:] 0281 0281 0281	FIRST SECOND
1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids (municipal sludge)? 8 Food waste? 9 Crop? [Specify:] 1 Produced on this operation?	FIRST SECOND

(i)	[If item 17d = 2, ask]	DOLLARS & CENTS			
	What was the total cost of the purchased compost applied	PER ACRE	OR	1	TOTAL DOLLARS
	to this field? (<i>Include</i> operator, landlord, and contractor costs and	0273		0274	
	any payment made for transportation costs.)	·			
					CODE
					0275
(ii)	Did you hire someone to custom apply the compost?		Y	ES = 1	
	[If YES, ask]				
	(a) What was the total cost paid to have compost custom applied to this field? (<i>Include</i> operator, landlord, and contra	DOLLARS & C PER ACR		OR	TOTAL DOLLARS
	costs.) [Do not report custom application cost if it was included with the compost cost.]	led 0276			0277

BIOCONTROL or PESTICIDE APPLICATIONS---SELECTED FIELD

Now I have some questions about all the biocontrols or pesticides used on this field for the 2017 wheat crop, including both custom applications and applications made by this operation.

		CODE	EDIT TABLE
		0302	0300
1.	Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this wheat field for the 2017 crop? YES = 1		

[Probe for applications made in the fall of 2016 (and those made earlier if this field was fallow).]

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

Include defoliants, fungicides, herbicides,
insecticides, and other pesticides.

Exclude nutrients or fertilizers reported earlier and seed treatments.

Include biological and botanical pesticides.

TABLE 0399 **OFFICE USE** 001 **LINES IN TABLE**

		2	3	4	5	6 O	R 7	8
CHEMICAL PRODUCT NAME	L I N E	What products were applied to this field? [Show product codes from Respondent Booklet.]	Was this product bought in liquid or dry form?	Was this part of a tank mix? [If tank mix, enter line number of first product in mix.]	When was this applied? 1 BEFORE planting 3 AT planting 4 AFTER Planting	How much was applied per acre per application?	What was the total amount applied per application in this field?	[Enter unit code.] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
	01	61		63	64	65 	73	74
	02	61		63	64	· <u> </u>	. <u> </u>	74
	03	61		63	64	65	73	74
	04	61		63	64	65 	73	74
	05	61		63	64	65	73	74
	06	61		63	64	65 	73	74
	07	61		63	64	65	73	74
	08	61		63	64	65 	73	74
	09	61		63	64	65	73	74
	10	61		63	64	65	73	74
	11	61		63	64	65	73	74
	12	61		63	64	65	73	74
	13	61		63	64	65	73	74
	14	61		63	64	65	73	74

2.	[For bioco	ntrols or pesticides not listed	in Respondent Booklet, specify-]	
	LINE	Pesticide Type (Herbicide, Insecticide Fungicide, etc.)	EPA No. or Trade name and Formulation	Form Purchased (Liquid or Dry)	Where Purchased [Ask ONLY if EPA No. cannot be reported.]
		Tungicide, etc.)			cannot be reported.j

APPLICATIONS CODES for column 9

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

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

5 In irrigation water

[ENUMERATOR NOTE:

Use these columns only if

TOTAL COST

(item 4 on next page) cannot be provided.]

	9	10	11	12
L I N E	How was this product applied? [Enter code from above.]	How many acres in this field were treated with this product?	How many times was it applied? NUMBER	Were these applications made by 1 Operator, partner or family member? 2 Custom applicator? 3 Employee/Other?
01	76	77	79	80
02	76	77	79	80
03	76	77	79	80
04	76	77	79	80
05	76	77	79	80
06	76	77	79	80
07	76	77	79	80
08	76	77	79	80
09	76	77	79	80
10	76	77	79	80
11	76	77	79	80
12	76	77	79	80
13	76	77	79	80
14	76	77	79	80

OPTIONAL ITEM 4							
I	ı						
What was the co	st per unit of the product?						
1	UNIT CODE						
I I I DOLLARS & CENTS	1 Pounds 15 Liquid Ounces 12 Gallons 28 Dry Ounces 13 Quarts 30 Grams 14 Pints						
PER UNIT							
1 81	82						
81	82						
81	82						
81	82						
81	82						
81	82						
81	82						
81 L ·— —	82						
I 81	82						
81	82						
81	82						
81	82						
81	82						
81	82						

3.	Were any chemicals, biocontrols, or pesticides applied by custom applicators?							
		YES – [Continue] NO – [Go to item 4]			OFFICE USE			
	a.	Are you able to report the cost of chemical, biocontrol, and pesticide product application separately?	s and custom		0324			
		☐ YES – [Continue] ☐ NO – [Go to item 4]						
			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 this field? (<i>Include</i> operator, landlord, and contractor costs.)	0331		0332			
4.					TOTAL DOLLARS			
costs for defolia		ts for defoliants, herbicides, insecticides, fungicides, surfactants, wetting nts, growth regulators, and materials applied before planting and during 6 fallow period. Exclude seed treatments.)	0334		0335			
			DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS			
	a.	How much was spent for herbicide products applied to this field? (<i>Include</i> operator, landlord, and contractor costs.)	3034		3035			
			DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS			
	b.	How much was spent for insecticide products applied to this field? (<i>Include</i> operator, landlord, and contractor costs.)	3036		3037			
				'				

NOTE 1: If respondent cannot report TOTAL COST, itemize cost for each product in optional columns in Biocontrol or Pesticide Table.

NOTE 2: If custom applied and the costs for materials can be separated from application costs, include the cost for materials only. Otherwise, report both the material and application costs in item 4.

Notes:

Now I have some questions about your pest management decisions and practices used on this field for the 2017 wheat crop. By pests, we mean WEEDS, INSECTS, and DISEASES.

ΕN	UMERATOR ACTION: Were PESTICIDE appli	cations reported in Section D?]	
	☐ YES – [Continue]	NO – [Go to item 6]	
			CODE
1.	Was weather data used to assist in determine	ning either the need or when to make	0800
١.	pesticide applications?		
2.	Were any biological pesticides such as Bt (Bacillus thuringiensis), insect growth	
	regulators, neem or other natural/biological		0801
	manage pests in this field?	YES = 1	
3.	Were pesticides with different mechanisms	of action rotated or tank mixed for the	0802
	primary purpose of keeping pests from bec	oming resistant to pesticides? YES = 1	
ſΕΝ	IUMERATOR ACTION: Were HERBICIDE (pes	sticide product codes 40000-49999)	
[—		ted in Section D, item 1, column 2?	
	<u> </u>	_	
	YES – [Continue]	NO – [Go to item 6]	
4	Mana hambiaida a annii adda dhia mhaad fialdi	DEFORE 42	0803
4.	were nerbicides applied to this wheat field i	BEFORE weeds emerged?YES = 1	
			0805
5.	Were herbicides applied to this wheat field	AFTER weeds emerged? YES = 1	
	!	By deliberately going to the field specifically for scouting	
6	In 2017, how was this field	activities [Enter code 1 and go to item 7.]	
•	primarily scouted for insects,	By conducting general observations while performing	CODE
	weeds, diseases, and/or beneficial	routine tasks [Enter code 2 and go to item 9.]	0808
	organisms?	3 This field was not scouted.	
		[Enter code 3 and go to item 14.]	
7.	Was an established scouting process (syste	ematic sampling, recording counts, etc.) used	0809
	or were insect traps used in this field?	YES = 1	
8.	Was scouting for pests done in this field du	e to	
٠.	True decaining for poole done in time nota au		0810
	a. a pest advisory warning?	YES = 1	0010
	a. a poot dayloory warming		0811
	b. a pest development model?	YES = 1	0011
			CODE
9.	Were records kept for this field to track the	activity or numbers of weeds, insects or	0823
	diseases?	· · · · · · · · · · · · · · · · · · ·	
			ıl
10	Did you use published information on infest	tation thresholds to determine when	0824
10.		eld? YES = 1	

	1		2	3
			[If YES, ask] What was the infestation level for [column 1]?—	[If column 1 = YES, ask] Who did the majority of the scouting for [column 1]?
11	Was this wheat field scouted for	YES = 1	1 Worse than normal 2 Normal 3 Less than normal	1 Operator, partner or family member 2 An employee 3 Farm supply or chemical dealer 4 Independent crop consultant or commercial scout CODE
	Trus tills wilcut licia scoatca for	1	_	
		0812	0813	0814
	a. Weeds?			
		0815	0816	0817
	b. Insects or mites?			
		0818	0819	0820
	c. Diseases?			

[If scouted by crop consultant or commercial scout, ask item 12; else go to item 13.]

DOLLARS PER A		TOTAL DOLLARS
12. How much was charged for the scouting services for this field? [Include operator, landlord and contractor cost.]	·	0822
		OFFICE USE
a. If scouting performed at no cost, explain:		0333
		F
13. Did you use field mapping of previous weed problems to assist you in making weed management decisions?	YES =	0825 1

14.	pui	I you do any of the following other type(s) of pest management practices rpose of managing or reducing the spread of pests in this field? Iter code "1" for all that apply.	s for the specifi	С	CODE
	[[
	a.	Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for this field?	YI	ES = 1	0841
	b.	Plow down crop residue (using conventional tillage)?	YI	ES = 1	0842
	C.	Remove/burn down crop residue?	YI	ES = 1	
	d.	Rotate crops in this field during the past three years?	Y	ES = 1	
	e.	Maintain ground covers, mulches, or other physical barriers?	YI	ES = 1	
	f.	Choose crop variety because of specific resistance to a certain pest?	YI	ES = 1	
	g.	Use no-till or minimum till?	YI	ES = 1	
	h.	Plan planting locations to avoid cross infestation of pests?	YI	ES = 1	
	i.	Adjust planting or harvesting dates?	YI	ES = 1	0849
	j.	Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fence lines?	YI	ES = 1	0850
	k.	Clean equipment and field implements after completing field work to reduce the spread of pests?	YI	ES = 1	0851
	l.	Adjust row spacing, plant density or row directions?	YI	ES = 1	0852
	m.	Have the seed treated for insect or disease control after you purchased the seed for this field?	YI	ES = 1	0854
	n.	Maintain a beneficial insect or vertebrate habitat?	YI	ES = 1	0855
	0.	Maintain buffer strips or border rows to isolate organic wheat from non-organizand, or did you take a buffer harvest?		=S = 1	0856
	p.	Use a flamer to kill weeds?			0857
		Plant earlier or later to avoid weeds?			0865
15.	We	re any beneficial organisms (insects, nematodes, fungi) applied			0853
		released in this field to manage pests?		ES = 1	0858
16.		re floral lures, attractants, repellants, pheromone traps or other biologic ntrols used on this field?		ES = 1	
	a.	[If item 15 or item 16 is YES, ask]			
		What were the TOTAL materials and application costs for all biological pest controls for this field?	OLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
		Include appreture landland and contractor costs. Include cost for	359 ·		0860

	CODE
17. Was a trap crop (excluding fallow) grown to help manage insects in this field? YES = 1	0863
18. Was this field left in fallow in 2016 to help manage insects on this field? YES = 1	0864
19. Were water management practices such as irrigation scheduling, controlled	
drainage, or treatment of retention water used on this field to manage pests or toxin-producing fungi and bacteria?	0861
20. Was protection of beneficial organisms a factor in your pest control decisions for this field? YES = 1	1765
[If Item 20 is YES, continue. Else go to Item 21.]	CODE
a. Did you change timing of, reduce application rate of, or eliminate a pesticide application?	1766
b. Did you change to an alternative pesticide, biocontrol, or non-pesticide practice? YES = 1	1767
21. Did pests (weeds, insects, diseases, animals) cause any yield loss on this field in spite of your pest control efforts?	0827
[If YES, ask]	
a. How much yield loss do you CODE ACRE	TOTAL UNITS
think was caused by all pests on this field in spite of the management practices you 1 BUSHELS 2 TONS AND 829 OR	830
used to reduce those losses? Completion C	
Managem 1 Incomplete/Refusal	0500

 Including custom operations, I need to list field work performs by machines on this field for the 2017 wheat crop. Please. 	ormed
begin with the first field operation after harvest of previous crop, including operations for a cover crop established since the previous harvested [if fallow during 2016, list operations starting with fall 2015];	ous crop Include all field work using machines for Land Forming/Levee Building Tillage
 list the operations in order through harvest and hauling of this cro to storage or first point of sale; and 	Preparing for Irrigation Planting
maintain the order of tandem hook-ups.	Fertilizer & Pesticide applications
CODES FOR COLUMN 5 1 You (the Operator) 2 Partner	☐ Harvesting & Hauling wheat & wheat straw to storage or first point of sale Exclude

3 Unpaid Worker
4 Paid Part-time or Seasonal Worker
5 Paid Full-time Worker
6 Custom Applicator

OFFICE USE LINES IN TABLE

0499

FICE USE
SIN TABLE
Lime & Gypsum/landplaster applications
Non-Commercial Manure applications &
Compost

						[IF CUSTON	l (column 5 = c	ode 6), skip co	olumns 6-11]	
	2	3	4	5	6	7	8 C)R 9	10	11
L I N E	% EQD ш Z C E	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	How many acres were covered? [Exclude land forming and hauling operations]	How many TOTAL HOURS were spent on land forming and hauling? [Example: backhoes, disk border maker, ditcher, rear mounted blade, trucks, wagons, forklifts, etc.]	Which Power Source was used? 1/ Tractors: 1= (<40 HP) 2= (40-99 HP) 3= (100-149 HP) 4= (150-199 HP) 5= (>=200 HP) Other: 6=Animal Drawn 77=Pick up 99=Self Propelled 1/	What was the fuel type of the tractor? [Record fuel type only if Power code equals 1-5] 1=diesel 2=gasoline 3=LP gas 4=other
No.	No.		CODE	CODE		CODE	ACRES	HOURS	CODE	CODE
01	87		88	89	90	91	92	93	94	95
02	87		88	89	90	91	92	93	94	95
03	87		88	89	90	91	92	93	94	95
04	87		88	89	90	91	92	93	94	95
05	87		88	89	90	91	92	93	94	95
06	87		88	89	90	91	92	93	94	95
07	87		88	89	90	91	92	93	94	95
08	87		88	89	90	91	92	93	94	95
09	87		88	89	90	91	92	93	94	95
10	87		88	89	90	91	92	93	94	95
11	87		88	89	90	91	92	93	94	95
12	87		88	89	90	91	92	93	94	95
13	87		88	89	90	91	92	93	94	95
14	87		88	89	90	91	92	93	94	95
15	87		88	89	90	91	92	93	94	95
16	87		88	89	90	91	92	93	94	95
17	87		88	89	90	91	92	93	94	95
18	87		88	89	90	91	92	93	94	95

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

OFFICE USE

0400

2. Now I need some additional information about your labor.

Please report the paid and unpaid labor that worked on this field to produce the 2017 wheat crop. (*Exclude* labor that was reported for field work performed by machines.)

	How many ho	1 urs did (type of worker) :	spend on this field
	a.	b.	C.
	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 (<i>Exclude</i> custom and contract labor)	1110	1111	1112
Paid full-time workers (Exclude custom and contract labor)	1113	1114	1115

		DOLLARS & CENTS PER HOUR
3.	What was the average hourly wage rate paid to part-time or seasonal hired workers? (Exclude custom and contract workers, payroll taxes and benefits.)	1119 · <u> </u>
		DOLLARS & CENTS PER HOUR
4.	What was the average hourly wage rate paid to full-time hired workers? (Exclude custom and contract workers, payroll taxes and benefits.)	1118 · <u> </u>
		CODE
_	Was any santurat labor yeard on this field?	1116
5.	Was any contract labor used on this field? YES = 1	
	a. [If YES, ask]	DOLLARS & CENTS PER ACRE
	What was the average cost per acre for this contract labor? (Include operator, landlord, and contractor costs.)	1117 · <u> </u>
6.	What percent of the total number of unpaid hours worked on this field was performed by	PERCENT
	workers under 16 years of age? (Estimates of labor costs for unpaid workers are based on off-farm wage rates, which are different for workers under 16 relative to those 16 and older.)	1120

7. Now I need some information on how much was spent (or will be spent) for custom services used on this field for the 2017 wheat crop.

		l		
	CUSTOM	SERVICE	ı	2 ncluding
				ator, landlord, entractor costs,
	Which of the following s	ervices were performed		uch was spent
	for the 2017 wheat			column 1] on eld for the 2017
				neat crop?
			DOLL	ARS & CENTS
\checkmark	✓ [Check box for each service performed; reference of the content of the con	er to item 1 if necessary.]	_	PER ACRE
	a. Custom land preparation, and/or shaping		1121	
	x =	÷ Total acres in the field = Dollars & cents per acre)		
Ш	(Cost per nour X Total nours = Total dollars	÷ Total acres in the field = Dollars & cents per acre)	1122	·
	b. Custom cultivating		1122	·
			1123	
	c. Custom planting and/or reseeding			·
\Box	Custom harvesting		1124	
ш	d. Custom harvesting		1126	•
	x	÷ =·	1120	
	(Dollars & cents per unit x Total units hauled from field	÷ Acres harvested in field = Dollars & cents per acre)		•
	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)		·
	g. Custom raking, baling, and hauling the strategies.	w from this field	1128	
П	(Dollars & cents per unit x Total units hauled from field	÷ = ÷ Acres harvested in field = Dollars & cents per acre)		
_	(2000)			- <u></u>
				CODE
8.	8. Was the wheat harvested and hauled from the	is field dried (or will be dried) before it was		
	sold or stored?		YES = 1	
9.				
	(such as for nutrient, pest control, irrigation, or p	<u>.</u> ,		
	☐ YES – [Continue] ☐ NO – [Go	to item 11]		
	Which of the following services did you obtain?		Г	CODE
	a. Nutrient recommendations/management se	rvice?Y	'ES = 1	1129
	b. Soil or tissue sample collection?	Υ	'ES = 1	130
	c. Pest control recommendations/managemer	t service? Y	'ES = 1	131
	d. Pest scouting?	Y	'ES = 1	132
	e. Irrigation management service (i.e. irrigation	n scheduling)? Y	'ES = 1	133
	f. Yield map or remote sensing map developn	nent/interpretation? Y	'ES = 1	134
		:] Y		135
			<u> </u>	

10.	If YES to any of these services, what was the cost for all services? (Include operator, landlord, and contractor costs soil/tissue tests or scouting cost reported earlier. Do not rep these services if they were previously reported as part of the and/or application.)	s. Exclude cost of port costs for any of e costs of materials	DOLLARS & CENTS PER ACRE 1136	OR TOTAL DOLLARS
				CODE
				2460
11.	Were there (or will there be) any data collection tools (yie etc) used during field operations on this wheat field?			= 1
	[If YES, continue; else go to item 12]			
	Please report the data collection technologies you u the data is collected with Global Positioning System create a map.			
		1	2	3
	Data Collection Tool	Tool Used	Collected with GPS	Data was/will be mapped to create a map
		YES = 1	YES = 1	YES = 1
a.	Yield monitor	2461	2462	2463
	Soil tests on core samples (performed on-farm or sent out to a laboratory)	2464	2465	2466
C.	Soil sensor tests	2467	2468	2469
d.	Hard-wired crop condition sensors	2470	2471	2472
e.	Wireless crop condition sensors	2473	2474	2475
f.	Drones, aircraft or satellites	2476	2477	2478
g.	Custom service applications (data from completed work on your field)	2479	2480	2481
		2482	2483	2484
h.	Public data downloaded from the online sources			
12.	Please report how your farm data will be stored and acc	-	e "1" for all that app	
	a. Did you access the data collected from this field on a			CODE 2485
	1. Paper hard copy		YES	= 1
	2. Personal computer		YES	
	3. Mobile device		YES	2487 = 1
	b. Did you access the data collected from this field through			2488

provider website?....

	[If it	em 12b = 1 continue, otherwise go to Item 13]		
,		Did you opt-out of your agricultural technology provider website sharing data collected from this field with any third party?	'ES = 1	2489
		Did you share any of the data collected from this field with a third party through an agricultural technology provider website?	'ES = 1	2490
13.		d you obtain crop management recommendations (data interpretation) based on that da u collected from [Enter code "1" for all that apply.]	ata	CODE
				2491
	a.	Input dealers?	YES = 1	
	b.	Integrated input providers?	YES = 1	2492
	C.	Custom Service providers?		2493
	d.	USDA/University extension services?		2494
	۵.	Cost Controllery extension convinces	120 - 1	
14.	Did	you use the yield monitor information to [Enter code "1" for all that apply.]		
				CODE 1140
	a.	monitor crop moisture content to determine need for crop drying?	YES = 1	1140
	b.	add/improve tile drainage?	YES = 1	1141
	c.	negotiate new crop leases?	V=0 4	1144
	٨		YES = 1	
	d.	other uses [specify:]		1147
1.5				1147
15.	Wa	other uses [specify:]		1147 CODE
15.	Wa	as any of the following GPS-enabled (Global Positioning System) equipment used to oduce crops on this field? [Enter code "1" for all that apply.]	YES = 1	
15.	Wa	s any of the following GPS-enabled (Global Positioning System) equipment used to	YES = 1	CODE 2148
15.	Wa pro	as any of the following GPS-enabled (Global Positioning System) equipment used to oduce crops on this field? [Enter code "1" for all that apply.]	YES = 1 YES = 1	CODE 2148 2149
15.	Wa pro	as any of the following GPS-enabled (Global Positioning System) equipment used to oduce crops on this field? [Enter code "1" for all that apply.] Guidance auto-steering (excluding Light Bar)?	YES = 1 YES = 1 YES = 1	CODE 2148
15.	Wa pro a. b.	as any of the following GPS-enabled (Global Positioning System) equipment used to oduce crops on this field? [Enter code "1" for all that apply.] Guidance auto-steering (excluding Light Bar)?	YES = 1 YES = 1 YES = 1 YES = 1	CODE 2148 2149
15.	Wa pro a. b.	as any of the following GPS-enabled (Global Positioning System) equipment used to oduce crops on this field? [Enter code "1" for all that apply.] Guidance auto-steering (excluding Light Bar)?	YES = 1	CODE 2148 2149 1158
	Wa pro a. b. c.	Is any of the following GPS-enabled (Global Positioning System) equipment used to oduce crops on this field? [Enter code "1" for all that apply.] Guidance auto-steering (excluding Light Bar)?	YES = 1	CODE 2148 2149 1158 1152
	Wa produce a. b. c. d. e.	As any of the following GPS-enabled (Global Positioning System) equipment used to oduce crops on this field? [Enter code "1" for all that apply.] Guidance auto-steering (excluding Light Bar)?	YES = 1	CODE 2148 2149 1158 1152 1159

G IRRIGATION G

		ACRES	
1.	How many acres in this field were irrigated for the 2017 wheat crop?	1160	
	[If none, go to Conclusion]		

2. Now, I have some questions about irrigation systems and water used on this field for the 2017 wheat crop.

	\downarrow		UNIT	SYSTEM 1	SYSTEM 2
a.	What type(s) of irrigation system(s) was this field? [Show System Type Codes of Enter System Type Code for up to two field acres.].	in the Respondent Booklet. systems covering the most	SYSTEM TYPE CODE	1161	1175
		INCHES PER ACRE	1162	1176	
b.	What was the total quantity of water app the entire growing season? (<i>Include AL</i> farm and off-farm sources.)	OR TOTAL ACRE-FEET	1163	1177	
	[If operator cannot provide item 2b, ask	(i) & (ii), else go to 2c]			
	(i) What is the total number of hours the apply water to this field during the w	TOTAL HOURS	1164	1178	
	(ii) How many gallons per minute were	applied?	GALLONS PER MINUTE	1165	1179
C.	What percent of the water used to irrigat system came from surface water source	PERCENT	1166	1180	
d.	What was the number of times this field wheat growing season using this system <i>irrigation</i> .)	NUMBER OF IRRIGATIONS	1167	1181	
e.	Was the pump type [If more than one pump in the system, enter type for pump closest to water source.]	1 TURBINE? 2 SUBMERSIBLE? 3 CENTRIFUGAL? 4 BOOSTER? 5 SIPHON? 99 NO PUMP? [If code 99, go to item j.]	CODE	1168	1182
f.	What was the average pumping rate?		GALLONS PER MINUTE	1169	1183
g.	[If item 2a = code 1-9 (PRESSURE SYSTEM), ask] What was the system operating pressure?		POUNDS PER SQUARE INCH	1170	1184
h.	What was the primary motor type used to pump the water?	1 DIESEL 2 GASOLINE 3 LP GAS 4 NATURAL GAS 5 ELECTRICITY 6 SOLAR POWER	CODE	1171	1185
i.	i. What was the average motor size?		HORSEPOWER	1172	1186
j.	[If NO PUMP was used (item 2e = 99), a What was the average flow rate?		GALLONS PER MINUTE	1173	1187
k.	How many other acres on this operation field's irrigation system during the 2017 this field.).	ACRES	1174	1188	

		PER ACRE	OR	TOTAL DOLLARS
3.	What was the cost of the fuel or electricity used to irrigate this field?	1189		1190
	(Include operator, landlord, and contractor costs.)			

4.	Wa	CODE		
		is any water purchased to irrigate this field? (<i>Include</i> landlord's share and purchases om all sources.)	119	1
		YES – [Enter code 1 and continue.]		
		a. What was the total cost for the water purchased for this field during the 2017 growing season? (<i>Include</i> operator, landlord, and contractor costs and ditch maintenance costs for this field.)	OR	TOTAL DOLLARS
5.	Γ <i>Ι</i> 	SIPHON TUBES were used (item 2a = 10 or 11), ask]		AL DOLLARS
J.	-	nat would be the total cost to replace all the siphon tubes used on this field?	120 ⁻	1
6.	[If F	POLY PIPE system was used (item 2a = 14) ask]	TO	TAL DOLLARS
		nat was the total amount spent for poly pipe used on this field during the 17 growing season? (<i>Include</i> operator, landlord, and contractor costs.)	1202	2
7.	[<i>If</i> (GATED PIPE system was used (item 2a = 15 or 16), ask]		INCHES
	a.	What was the average diameter of gated pipe used to irrigate this field?	1203	3
			400	FEET
	b.	What was the total length of gated pipe used?	1204	4
8.	We	120	CODE 5	
		YES – [Enter code 1 and continue]		NUMBER
			1206	
	a.	How many wells were used to irrigate this field?	1200	5
				INCHES
	b.	What was the average diameter of the outer well casing?	120	7
		•		FEET
	C.	What was the average pumping depth of these wells during the irrigation season? [Pumping depth is the depth to water at the start of the irrigation season, plus an average decline in the water level caused by pumping during the irrigation season.]	1208	1
	d.	Were other fields irrigated using water pumped from wells that supplied water to the selected field?		CODE
		☐ YES – [Enter code 1 and continue] ☐ NO – [Go to item 9]	1210	0
				ACRES
	e.	Excluding this field, how many other acres on this operation were irrigated using the same wells during the 2017 growing season?	121	· <u> </u>
9.		as any additional mainline or lateral pipe used to carry water from the source to the stem in this field? (Include underground pipe. Exclude any system pipe within the selected field. YES – [Continue]	1212	INCHES
				FEET
			1213	3
	b.	How many feet of this additional pipe were used to bring water to this field?		

Notes:

H CONCLUSION H

LO	CATION OF SELECTED FIELD						
	I need to locate the selected field of wheat on this map.	COUNTY	NAME	OFFICE USE COUNTY FIPS CODE			
1.	What county is the selected wheat field in?			0010			
	Field description						
		LATITUDE	LONG	GITUDE			
	Field location	⁴ ··	w 0055				
2.	[ENUMERATOR ACTION: Mark map to indicate where Be sure the "X" marked on I			<i>m</i>			
3.	We will need additional information to complete this or March 2018 to collect it. I'll call you then to set up						
4.	To receive the complete results of this survey on the	To receive the complete results of this survey on the release date, go to					
	www.nass.usda.gov/results/. Would you rather have mailed to you at a later date?	e a brief summary	YES = 1	9990			
				нн мм			
5.	ENDING TIME [MILITARY]			0005			
DE	CORDS USE						
6.	[Did respondent use farm/ranch records to report]			CODE			
	a. [fertilizer data?]		YES = 1	0011			
				0012			
	b. [pesticide data?]		YES = 1				
	c. [majority of this expense data?]		YES = 1	0013			
				NUMBER			
SU	PPLEMENTS USED		FERTILIZER APPLICATIONS	0041			
7. [Record the total number of each type of supplement used to complete this interview.]							
			FIELD OPERATIONS	0043			
Re	ported by:	9910 17	9911				
		M M D D	Telephone: ()_				

					OFFICE U	SE				
R. Unit	Ptr 1	Str	Ptr 2 Str	Ptr 3 Str	Ptr 4 Str	OPS	SSO 1	ADJ	Optional Use	
9921	9922	,	9923	9927	9928	923	9907	922	9906	9916
Response		Respo	Respondent Mode		Enum.	POID				
1-Comp 2-R 3-Inac	99	901	1-Op/Mgr 2-Sp 3-Acct/Bkpr	9902	2-Tel 3-Face-to-Face	9903	9998	9989		
4-Office Hold			4-Partner 9-Other					Eval.		Change
								9900	998	5