

**AGRICULTURAL RESOURCE MANAGEMENT STUDY
WHEAT PRODUCTION PRACTICES REPORT
for 1996**

U.S. Department of Agriculture
Rm 5809, South Building
Washington, D.C. 20250
202-720-7017

VERSION	STRATUM	ID/SEGMENT	TRACT	SUBTRACT	T-TYPE	TABLE	LINE
07	___	_____	___	___	0	000	00

CONTACT RECORD		
DATE	TIME	NOTES

R CODES	
3 - COMPLETED	
4 - SCREENOUT	0001
5 - NO TARGET COMMODITY	
8 - REFUSAL	
9 - INAC./INCOMPL.	
OPTIONAL	0002
OPTIONAL	0003

INTRODUCTION
[Introduce yourself, and ask for the operator. Rephrase in your own words.]

We are collecting information on production practices for field crops and need your help to make the information as accurate as possible. Authority for collection of information on the Wheat Production Practices Report is Title 7, Section 2204 of the U.S. Code. This information will be used for economic analysis and to compile and publish estimates for your state and the United States. Response to this survey is confidential and voluntary.

We encourage you to refer to your farm records during the interview.

BEGINNING TIME [MILITARY]

[Name, address and partners verified and updated if necessary.]

[ENUMERATOR NOTE: For NRCS samples, complete the items on page 3. If box is code 1, complete the Screening Supplement. If box is not coded, begin with Section C.]

SCREENING BOX

PARTNERS:	LSF ID _____	LSF ID _____
PARTNER NAME	PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER
LSF ID _____	LSF ID _____	LSF ID _____
PARTNER NAME	PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER

PARTNERS' STRATUM 182

<input type="text" value="0006"/>	<input type="text" value="0007"/>	<input type="text" value="0008"/>	<input type="text" value="0009"/>
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OFFICE USE FOR LSF

<input type="text" value="0010"/>

NOTES:

NRCS SAMPLES ONLY

[Show aerial photograph to respondent, and identify sample point.]

1. Do you make any of the day-to-day decisions for the field containing this point?

- YES** - [Enter code 1 and continue.]
- NO** - [Conclude the interview and ask for Respondent's assistance in locating correct operator.]

CODE
0011

2. What crop was planted for harvest in 1996 in the field containing this point?

.....
(If no crop was grown for harvest, identify 1996 land use. **Include** cover crop, perennial crop, fallow/idle, or any other use. If more than one crop was harvested in 1996, identify the first crop harvested.)

OFFICE USE
0012

[ENUMERATOR ACTION: *If item 2 crop is **wheat**, ask Respondent to identify the boundaries of the field containing the sample point. Draw these boundaries. Then go to Section **D**, page 6, and begin the interview. For any other land uses, go to item 2 of Conclusion, back page.]*

C * WHEAT * FIELD SELECTION C

APPLY "RANDOM NUMBER" LABEL HERE

3. I will follow a simple procedure to make a random selection from the wheat fields planted for the 1996 crop.

What is the total number of wheat fields that were planted on this operation?
(For **winter wheat**, include only fields **harvested** for grain.) [If only 1 field, go to item 5.]

NUMBER
0050

4. Please list these fields according to identifying numbers/names or describe each field. Then I will tell you which field has been selected.
(If there are more than 18 fields, list only the 18 fields closest to your permanent residence.)
[If respondent is unable to identify or describe the fields, use the Field Selection Supplement on page 5.]

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____
- 9 _____

- 10 _____
- 11 _____
- 12 _____
- 13 _____
- 14 _____
- 15 _____
- 16 _____
- 17 _____
- 18 _____

5. **[ENUMERATOR ACTION:** Circle the pair of numbers on the above label associated with the last numbered field in item 4. Select the field according to the number you circled on the label, and record the selected number. If only 1 field, enter 1.]

**RECORD
SELECTED
NUMBER HERE**
0051

6. The field selected is (field number/name/description).
During this interview, most of my questions will be about **this selected wheat field only**.
[Be sure the operator can identify the selected field.]

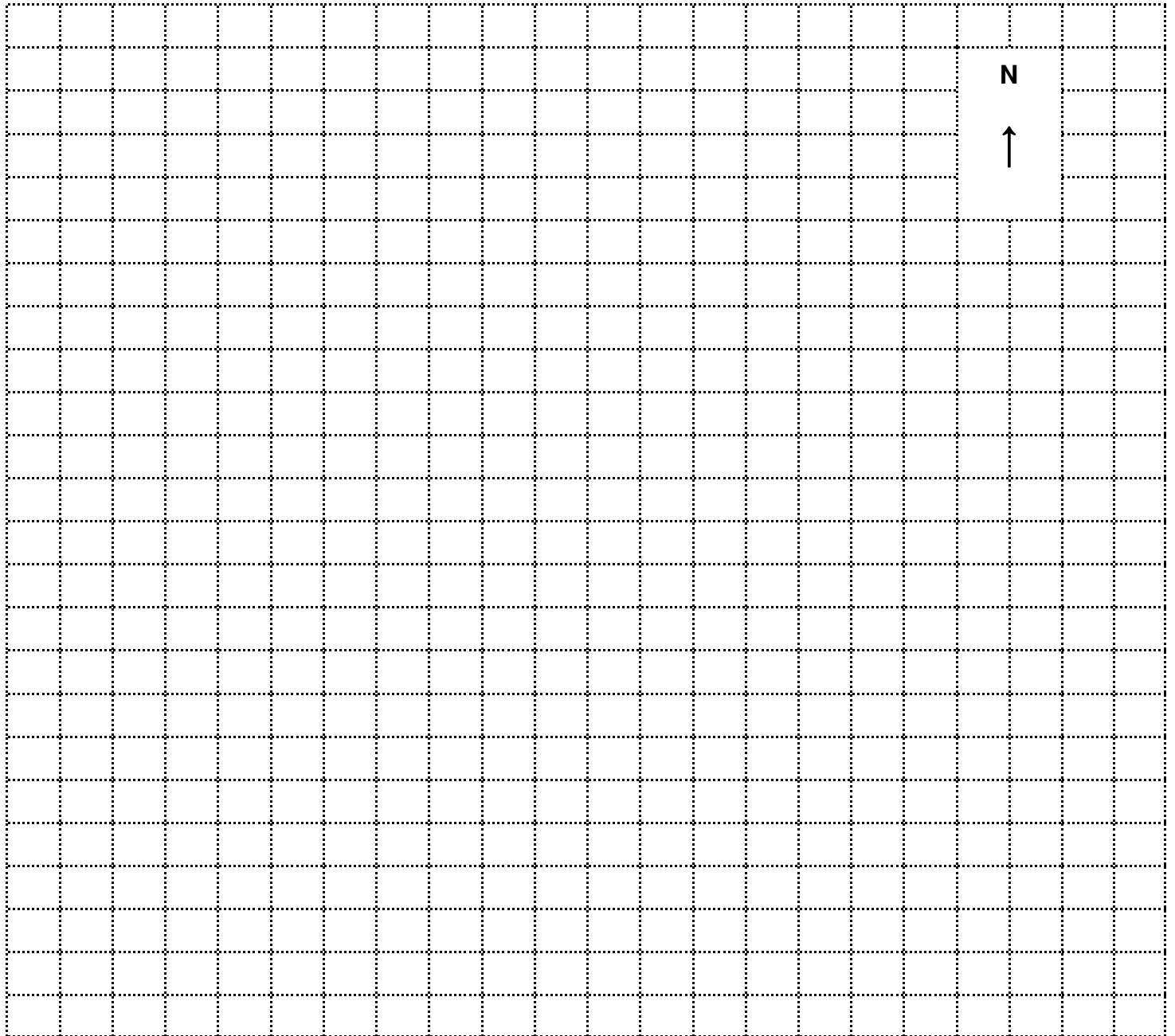
C

* WHEAT *

FIELD SELECTION

C

FIELD SELECTION SUPPLEMENT



D FIELD CHARACTERISTICS---SELECTED FIELD

D

1. How many acres of wheat did this operation plant in the selected field in 1996? ACRES

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1311	1386
. ____	. ____

2. Was this field--

1	OWNED BY THIS OPERATION?
2	RENTED FOR CASH ?
3	SHARE RENTED?
4	USED RENT-FREE ?

..... CODE

1312	1387
------	------

5. On what date was this wheat field planted? MM DD YY
 [Use *CALENDAR* showcard and circle planting date.]

1313	1388
__ __ __ __ 96	__ __ __ __ 96

8. What was the seeding rate per acre the first time this field was seeded?

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1314	1389
. ____	. ____
1315	1390

1=SEEDS
2=POUNDS
3=BUSHEL
4=CWT.

RATE PER ACRE
 UNIT CODE

10. Was the wheat seed treated (*by the seed company or the operator*) with an insecticide and/or a fungicide? YES = 1

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1316	1391

11. Was the source of the wheat seed--

1	HOME GROWN or TRADED
2	PURCHASED
3	BOTH

..... CODE

1317	1392
------	------

13. [If **any** seed was **PURCHASED** (item 11 is code 2 or 3), continue; else go to item 14.]
 What was the cost per unit of the **purchased** seed for this field? (**Include** landlord's cost.)

3=50 POUND BAG
4=BUSHEL
5=CWT.

DOLLARS & CENTS PER UNIT

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1318	1393
. ____	. ____
1319	1394

..... UNIT CODE

D FIELD CHARACTERISTICS---SELECTED FIELD**D**

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
14. Has harvest of the wheat field been completed? YES = 1	1320	1395

15. Now I need information about the acres harvested (or to be harvested) and the yield from this wheat field.

1	2 How many acres in the wheat field were (will be) harvested for-- [column 1] ACRES	3 What yield per acre did you get (do you expect to get) for-- UNITS PER ACRE	4 UNIT CODE 1=POUNDS 2=BUSHELS 3=CWT. 4=TONS
a. grain?	0074 . ____	0082 . ____	0090
b. silage (<i>green chop</i>)?	0075 . ____	0083 . ____	TONS
c. seed for planting?	0076 . ____	0084 . ____	0092
i. abandoned?	0098 . ____		
j. other use?	0099 . ____		

D FIELD CHARACTERISTICS---SELECTED FIELD

D

PARTIAL CROP CODE LIST FOR ITEM 17			
1 Alfalfa hay	5 Corn for silage	15 Oats	30 Sunflowers
190 Barley	8 Cotton	22 Rye	163 Wheat, durum
3 Dry Beans	302 CRP	25 Sorghum for grain	164 Wheat, (other) spring
85 Canola	11 Hay, all other	24 Sorghum for silage	165 Wheat, winter
6 Corn for grain	94 Mustard	26 Soybeans	318 Fallow or Idle (diverted)

17. Next I need to know what crops were previously planted on this field, **including cover crops**.
 [If no crop was planted during the period, use code 318. If crop isn't listed in the code table, record the crop name beside the cell and leave the cell blank.]

1	2 What crop was planted on this field-- [column 1] CODE	3 Was this crop irrigated on this field? YES=1
a. [Skip if target crop is winter wheat.] in FALL of 1995?	0103	0108
b. in SPRING/SUMMER of 1995?	0104	0109
c. in FALL of 1994?	0105	0110
d. in SPRING/SUMMER of 1994?	0106	0111
e. in SPRING/SUMMER of 1993?	0107	0112

18. [If the most recent crop in item 17 was a SMALL GRAIN, such as barley, oats or wheat ask--]

Was crop residue removed from this field by baling or removing straw, burning, etc.?

YES = 1

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1321	1396

D FIELD CHARACTERISTICS---SELECTED FIELD

D

19. Was a no-till system used to prepare and plant this wheat field?

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
<input type="checkbox"/> YES - [Enter code 1 and continue.] CODE	1322	1397

NO - [Go to item 20.]

a. How many consecutive years has **no-till** been used on this field (regardless of which crop was planted or grown)? [Enter 1 if current year only.] YEARS

	1323	1398
--	------	------

20. Did your land-use practices for this field include--

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
a. grassed waterways? YES = 1	1324	1399
b. terraces? YES = 1	1325	1400
c. contour farming? YES = 1	1326	1401
d. strip cropping? YES = 1	1327	1402
e. underground outlets such as tile drainage? YES = 1	1328	1403
f. other drainage channels or diversions? YES = 1	1329	1404

21. Has the Natural Resource Conservation Service or NRCS (formerly called the Soil Conservation Service or SCS) classified this field as "Highly Erodible"? YES = 1

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
	1330	1405

22. Has the NRCS (former SCS) notified you that this field contains a wetland? YES = 1

	1331	1406
--	------	------

23. Was this field covered by crop insurance for the 1996 wheat crop? YES = 1

	1332	1407
--	------	------

E FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD E

1. What FERTILIZERS were applied to this field for the 1996 wheat crop? [If none, go to item 3.]
 (Include chemical fertilizers. Include custom applied fertilizers. Include fertilizer applied in the fall of 1995 and those applied earlier if this field was fallow. Exclude micro-nutrients.)

EDIT TABLE

0201

T-TYPE 2	TABLE 001
--------------------	---------------------

LINE	2 → → → MATERIALS USED [Enter percentage analysis or actual pounds of plant nutrients applied per acre.]			3 What quantity was applied per acre? [Leave this column blank if actual nutrients were reported.]	4 [Enter material unit code.] 1 POUNDS 12 GALLONS 19 POUNDS of ACTUAL NUTRIENTS	5 When was this applied? [Show respondent CALENDAR showcard.] MM DD YY	6 How was this applied? 1 Broadcast, ground without incorporation 2 Broadcast, ground with incorporation 3 Broadcast, by air 4 In Seed furrow 5 In irrigation water 6 Chisel, Injected or Knifed in 7 Banded in or Over Row 8 Foliar or Directed Spray 9 Spot treatments	7 How many acres were treated in this application? ACRES
	N Nitrogen	P ₂ O ₅ Phosphate	K ₂ O Potash					
01	0205	0206	0207	0208	0209	0210 - - - - -	0211	0212 . _____
02	0205	0206	0207	0208	0209	0210 - - - - -	0211	0212 . _____
03	0205	0206	0207	0208	0209	0210 - - - - -	0211	0212 . _____
04	0205	0206	0207	0208	0209	0210 - - - - -	0211	0212 . _____
05	0205	0206	0207	0208	0209	0210 - - - - -	0211	0212 . _____
06	0205	0206	0207	0208	0209	0210 - - - - -	0211	0212 . _____

99	OFFICE USE NUMBER OF LINES IN TABLE	0213
----	--	------

E FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD E

T-TYPE	TABLE	LINE
0	000	00

3. Was a soil test or plant tissue test performed on this field in 1995 or 1996 for the 1996 wheat crop?

- YES** - [Enter code 1 and continue.] CODE
- NO** - [Go to item 5.]

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1333	1408

4. Was a Nitrogen test performed?

- YES** - [Enter code 1 and continue.] CODE
- NO** - [Go to item 5.]

1334	1409
------	------

a. Was the amount of Nitrogen applied to this field more than, less than, or exactly the amount recommended by the Nitrogen test?

- | | |
|---|---|
| 1 | MORE THAN THE AMOUNT RECOMMENDED |
| 2 | LESS THAN THE AMOUNT RECOMMENDED |
| 3 | EXACTLY THE AMOUNT RECOMMENDED |

..... CODE

1335	1410
------	------

5. Is lime ever applied to this field?

- YES** - [Enter code 1 and continue.] CODE
- NO** - [Go to Section F.]

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1336	1411

a. On average, how many years are there between applications of lime to this field? YEARS

1337	1412
------	------

b. How many tons of lime were applied per acre the last time it was applied to this field? TONS PER ACRE

1338	1413
------	------

F PESTICIDE APPLICATIONS---SELECTED FIELD F

EDIT TABLE

0301

1. Were any herbicides, insecticides, fungicides or other chemicals used on this field for the 1996 wheat crop?
 (Include applications made in the fall of 1995 and those made earlier if this field was fallow. Include custom applied materials. Exclude seed treatment.)

T-TYPE 3	TABLE 001
--------------------	---------------------

YES - [Continue.] NO - [Go to Section G, page 14.]

NOTES	LINE	2 What products were applied to this field? [Use product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D.]	4 Was this part of a tank mix? [If tank mix, enter line number of first product in tank mix.]	5 When was this applied? [Show respondent CALENDAR showcard.] MM DD YY	6 OR 7		8 [Enter unit code.] 1 POUNDS 12 GALLONS 13 QUARTS 14 PINTS 15 OUNCES 30 GRAMS
						How much was applied per acre per application?	What was the total amount applied per application in this field?	
	01	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	02	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	03	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	04	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	05	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	06	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	07	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	08	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	09	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	10	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	11	0305		0306	0307 - - - - -	0308 . - -	0309	0310
	12	0305		0306	0307 - - - - -	0308 . - -	0309	0310
99	OFFICE USE NUMBER OF LINES IN TABLE							0319

[For pesticides not listed in Respondent Booklet, specify--]

LINE	Pesticide Type (Herbicide, Insecticide Fungicide, etc.)	EPA No. or Tradename and Formulation	Form Purchased (Liquid or Dry)	Where Purchased [Ask only if EPA No. cannot be reported.]
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

F PESTICIDE APPLICATIONS---SELECTED FIELD F

APPLICATION CODES for column 9	
1 Broadcast, ground without incorporation	7 Banded in or Over Row
2 Broadcast, ground with incorporation	8 Foliar or Directed spray
3 Broadcast, by air	9 Spot treatments
4 In Seed Furrow	
5 In Irrigation water	
6 Chisel/Injected or Knifed in	



	9 How was this product applied?	10 How many acres in this field were treated with this product? ACRES	11 Were these applications made by-- 1 Operator, Partner, Family member? 2 Custom applicator? 3 Employee/Other?	12 What was the PRIMARY target pest for this application? [Use Pest codes from showcard.]
01	0311	0312 . ____	0313	0314
02	0311	0312 . ____	0313	0314
03	0311	0312 . ____	0313	0314
04	0311	0312 . ____	0313	0314
05	0311	0312 . ____	0313	0314
06	0311	0312 . ____	0313	0314
07	0311	0312 . ____	0313	0314
08	0311	0312 . ____	0313	0314
09	0311	0312 . ____	0313	0314
10	0311	0312 . ____	0313	0314
11	0311	0312 . ____	0313	0314
12	0311	0312 . ____	0313	0314

T-TYPE	TABLE	LINE
0	000	00

2. [If application code in column 9 is 1, 2, 7, 8 or 9, ask-]
 What was the boom height of the sprayer the first time it was used to apply pesticides on the wheat field? INCHES

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1339	1414

G PEST MANAGEMENT PRACTICES--SELECTED FIELD G

- Now I have some questions about your pest management decisions and practices used on this field for the 1996 wheat crop. **By pests, we mean WEEDS, INSECTS and DISEASES.**
- Let's begin with questions about scouting this field for pests.

1	2 Was the wheat field scouted for-- [column 1] YES=1	3 [For rows with YES =1, ask--] Was most of the scouting for [column 1] done by-- 1 Operator, Partner or Family member? 2 an Employee? 3 Farm supply or Chemical dealer? 4 Crop consultant or Commercial scout? CODE
a. weeds	0226	0229
b. insects	0227	0230
c. diseases	0228	

3. [Ask only if column 3 of item 2 is code 4; else go to item 5.]
How much did you pay for the scouting services for this field?
[Include landlord cost.]

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
DOLLARS & CENTS PER ACRE	1340	1415
OR	1341	1416
TOTAL DOLLARS		

5. [Ask only if field was SCOUTED (column 2 of item 2 is code 1); else go to item 6.]
Were written or electronic records kept for this field to track the **activity or numbers** of--

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
a. broadleaf weeds?	1342	1417
b. grass weeds?	1343	1418
c. insects?	1344	1419

6. [Ask only if HERBICIDES (pesticide codes 4000 - 4999) were entered in Section F, item 1, column 2; else go to item 12.]
Did you apply herbicides to this field BEFORE weeds emerged?

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
<input type="checkbox"/> YES - [Enter code 1 and continue.]	1345	1420
<input type="checkbox"/> NO - [Go to item 8.]		

7. Did you decide to use **pre-emergence** herbicides based on--

a. a routine treatment for weed problems experienced in previous years?	1346	1421
b. field mapping of previous weed problems?	1347	1422
c. a computerized decision model?	1348	1423
d. recommendations from an independent crop consultant?	1349	1424

G PEST MANAGEMENT PRACTICES--SELECTED FIELD

G

8. Did you apply herbicides to this field AFTER weeds emerged?

- YES** - [Enter code 1 and continue.] CODE
- NO** - [Go to item 12.]

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1350	1425

9. Did you decide to use **post-emergence** herbicides based on--

- a. a routine treatment? YES = 1
- b. type and/or density of weed(s) present? YES = 1
- c. a computerized decision model? YES = 1
- d. recommendations from an independent crop consultant? YES = 1

1351	1426
1352	1427
1353	1428
1354	1429

12. Did you decide to **apply OR not apply** insecticides to the wheat field based on--

- a. scouting data compared to University or Extension guidelines for infestation thresholds? YES = 1
- b. standard practices or history of insect problems? YES = 1
- c. local information (*from other farmers, radio, TV, newsletters, etc.*) that the pest was or was not present? YES = 1
- d. your (the operator's) own determination of the infestation level? YES = 1

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1355	1430
1356	1431
1357	1432
1358	1433

15. Did you--

- a. reduce (or help control) pests by adjusting planting or harvesting dates on this wheat field? YES = 1
- b. control pest resistance by alternating pesticides on this field from year to year? (*Use pesticides with different active ingredients.*) YES = 1
- c. reduce (or help control) pests by adjusting grazing dates on this wheat field? YES = 1

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1359	1434
1360	1435
1361	1436

16. Did you--

- a. have a biological soil analysis done on this field to detect the presence of soil pests, such as insects, diseases or nematodes? YES = 1
- b. consider beneficial insects in selecting and using pesticides on this field? YES = 1

1362	1437
1363	1438

G PEST MANAGEMENT PRACTICES--SELECTED FIELD

G

17. Did you--

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
a. purchase and release beneficial insects in this wheat field? YES = 1	1364	1439
d. use pheromone lures in this field to--		
(1) monitor pests by trapping? YES = 1	1365	1440
(2) control pests by disrupting mating? YES = 1	1366	1441

19. What was your primary outside source of information on pest management recommendations for the 1996 wheat crop?

[Ask the respondent to look at Pest Management Information Sources Code List in Respondent Booklet. Choose one and enter code.]

**PEST MANAGEMENT INFORMATION SOURCES
CODE LIST**

- 1 Extension Advisor, Publications or Demonstrations
(County, Cooperative or University)
 - 2 Farm Supply or Chemical Dealer
 - 3 Commercial Scouting Service
 - 4 Crop Consultant or Pest Control Advisor
 - 5 Other Growers or Producers
 - 6 Producer Associations, Newsletters or Trade Magazines
 - 7 Television or Radio Programs, Newspapers
 - 8 Electronic Information Services
(World Wide Web, DTN, etc.)
 - 9 Other
 - 10 None

CODE	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
	1367	1442

21. Have you (the operator) completed courses leading to certification for applying "Restricted Use" pesticides? YES = 1

WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
0286	0286

OFFICE USE

0015

H FIELD OPERATIONS--SELECTED FIELD H

2. Please list the **tillage and planting implements** used on this field beginning with the first trip over the selected wheat field after harvest of the preceding crop and continue through seeding this year's crop.

Please list the operations in the order they occurred AND maintain the order of tandem hook-ups.
 (If this field was fallow (idle, diverted) during 1995, list operations starting with the fall of 1994.)

Include plowing, corrugation, land preparation, planting.)

EXCLUDE FERTILIZER and PESTICIDE IMPLEMENTS

INCLUDE CUSTOM OPERATIONS

[If column 6 is code 1 (CUSTOM), skip columns 10 - 11.]

2 S E Q U E N C E N O.	3 What operation or equipment was used on this wheat field?	4 [Record machine code from Respondent Booklet.]	6 Was this a custom operation? YES- Enter 1 and go to column 14. NO - Continue.	10	11	14
				How many acres were covered? 1/	What were the acres covered per hour?	When was this operation done? [Show respondent CALENDAR showcard.]
				ACRES	ACRES PER HOUR	MM DD YY
0369		0394	0441	0561	0586	0658
0370		0395	0442	0562	0587	0659
0371		0396	0443	0563	0588	0660
0372		0397	0444	0564	0589	0661
0373		0398	0445	0565	0590	0662
0374		0399	0446	0566	0591	0663
0375		0400	0447	0567	0592	0664
0376		0401	0448	0568	0593	0665
0377		0402	0449	0569	0594	0666
0378		0403	0450	0570	0595	0667
0379		0404	0451	0571	0596	0668
0380		0405	0452	0572	0597	0669
0381		0406	0453	0573	0598	0670
0382		0407	0454	0574	0599	0671
0383		0408	0455	0575	0600	0672

1/ For backhoes, disk border maker, ditch closer, ditcher, levee-plow disk, quarter drain machine and rear mounted blade, enter total HOURS, not acres. Then leave column 11 blank.

OFFICE USE
0017

8. Was there (will there be) a yield monitor on the equipment used to harvest the wheat field?

WINTER OR DURUM WHEAT

(OTHER) SPRING WHEAT

H **FIELD OPERATIONS**--SELECTED FIELD **H**

YES - [Enter code 1 and continue.] CODE

1368	1443
------	------

NO - [Go to Section I.]

a. Was (will there be) a yield map produced from this harvest using information from the yield monitor? **YES = 1**

1369	1444
------	------

IRRIGATION--SELECTED FIELD

	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
1. How many acres in the wheat field were irrigated for the 1996 crop? <i>[If none, go to Conclusion, back page.]</i> ACRES	1370	1445
2. b. What was the total number of inches of water applied per acre to this field during the entire growing season? <i>(Include ALL water used from both on-farm and off-farm sources.)</i> INCHES PER ACRE	1371	1446
c. <i>[Ask only if operator cannot provide item b; else go to item 2d.]</i> What is the total number of hours that water was applied to this field during the growing season? TOTAL HOURS	1372	1447
(1) How many gallons per minute were applied? GALLONS PER MINUTE	1373	1448
d. What percentage of ALL water applied to this field was applied after planting ? PERCENT	1374	1449
e. What percentage of ALL water applied to this field came from surface water sources? PERCENT	1375	1450
f. What was the number of times this field was irrigated during the growing season? NUMBER	1376	1451
(1) How many of these irrigations occurred after planting ? NUMBER	1377	1452
3. Was any water purchased to irrigate this field? <i>(Include landlord's share. Include purchases from all sources.)</i>	WINTER OR DURUM WHEAT	(OTHER) SPRING WHEAT
<input type="checkbox"/> YES - <i>[Enter code 1 and continue.]</i> CODE	1378	1453
<input type="checkbox"/> NO - <i>[Go to item 7.]</i>		
a. What percentage of the water used on this field was purchased? PERCENT	1379	1454
b. What was the total cost for the water purchased for this field during the 1996 growing season? <i>(Include landlord's cost.)</i> DOLLARS	1380	1455
7. Were wells used to supply irrigation water for this field?		
<input type="checkbox"/> YES - <i>[Enter code 1 and continue.]</i> CODE	1381	1456
<input type="checkbox"/> NO - <i>[Go to Conclusion, back page.]</i>		
d. What was the total cost for fuel and power used to pump irrigation water from wells for this field in 1996? <i>(Include landlord's cost.)</i> TOTAL DOLLARS	1382	1457

CONCLUSION

LOCATION OF SELECTED FIELDS

1. I need to locate the selected wheat field on this map.

OFFICE USE-- COUNTY FIPS CODE
0021

What county is the selected wheat field in? _____

[ENUMERATOR ACTION: *Mark the map to indicate where the selected wheat field is located. Be sure the "X" you mark on the map is in this county.]*

2. Reporting the operator's Social Security and Federal Employer Identification number is voluntary. The authority to request them is Title 7, Section 2204 of the U.S. Code. These numbers will be used only within the National Agricultural Statistics Service for identification.

0022	OPERATOR'S SSN
_____ - _____ - _____	

0023	OPERATION EIN
_____ - _____ - _____	

[Offer survey results or other Agency publications. Thank the respondent, then review this questionnaire.]

RESPONDENT	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center; padding: 2px;">1</td> <td style="padding: 2px;">OPERATOR/MANAGER/PARTNER</td> <td style="width: 5%; text-align: center;">.....</td> </tr> <tr> <td style="text-align: center; padding: 2px;">2</td> <td style="padding: 2px;">SPOUSE</td> <td></td> </tr> <tr> <td style="text-align: center; padding: 2px;">3</td> <td style="padding: 2px;">ACCOUNTANT/BOOKKEEPER</td> <td></td> </tr> <tr> <td style="text-align: center; padding: 2px;">4</td> <td style="padding: 2px;">OTHER</td> <td></td> </tr> </table>	1	OPERATOR/MANAGER/PARTNER	2	SPOUSE		3	ACCOUNTANT/BOOKKEEPER		4	OTHER		CODE
1	OPERATOR/MANAGER/PARTNER												
2	SPOUSE													
3	ACCOUNTANT/BOOKKEEPER													
4	OTHER													
		0025												
Respondent's name [if code 3 or 4]														
Phone	() _____													
RECORDS USE														
Did the respondent use farm/ranch records to report fertilizer data?	YES = 1	0027												
Did the respondent use farm/ranch records to report chemical data?	YES = 1	0028												
SUPPLEMENTS USED														
Record the total number of each type of supplement used to complete this interview.	FERTILIZER APPLICATIONS	0033												
	CHEMICAL APPLICATIONS	0034												
	FIELD OPERATIONS	0035												
ENDING TIME [MILITARY]		0037												
		MM DD YY												
DATE:		0038												
		ENUMERATOR ID												
ENUMERATOR		0039												
		EVALUATION												
		0040												