



**NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE**

**AGRICULTURAL RESOURCE MANAGEMENT SURVEY  
OATS PRODUCTION PRACTICES AND  
COSTS REPORT  
for 2005**

Form Approved  
OMB Number 0535-0218  
Approval Expires 8/31/2007  
Project code 906  
Phase II

U.S. Department of Agriculture,  
Rm 5030, South Building  
1400 Independence Ave., S.W.  
Washington, DC 20250-2000  
Toll Free: 1-800-727-9540  
Fax: 202-690-2090  
E-mail: nass@nass.usda.gov

VERSION	ID	TRACT	SUBTRACT	T-TYPE	TABLE	LINE
3	-----	01	---	0	000	00



**CONTACT RECORD**

DATE	TIME	NOTES

**INTRODUCTION:**

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

We are collecting information on practices and costs to produce oats and need your help to make the information as accurate as possible. Authority for collection of information on the Oats Production Practices and Costs 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 region and the United States. Response to this survey is confidential and voluntary.

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

**H H M M**

**BEGINNING TIME**  
[MILITARY]

0004	---	---
------	-----	-----

**SCREENING BOX**

0006
------

**[ENUMERATOR NOTE: If screening box is code 1, complete the screening Supplement. If Screening box is not coded, begin with Section A.]**

0014	<b>CEAP Match</b>	0016	<b>CEAP ID</b>

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

<b>POID</b> _____	<b>POID</b> _____
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER
<b>POID</b> _____	<b>POID</b> _____
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER

1. How many acres of oats did this operation plant for the 2005 crop year?

- ▶ [For oats seeded in the fall, record acres planted in fall/winter 2004 for 2005 crop year.]
- ▶ If no acres planted, review Screening Survey Information Form. Make notes, then go to item 4 on back page.]

TOTAL PLANTED ACRES

0050	_____
------	-------

Of the total oats acres (item 1), how many were planted for---

- a. feed?.....
- b. milling?.....
- c. seed?.....
- d. other? [Specify: \_\_\_\_\_] .....

TOTAL ACRES

0051	_____
0052	_____
0053	_____
0059	_____

2. I will follow a simple procedure to make a random selection from the oats fields planted for the 2005 crop.

What is the TOTAL number of oats fields that were planted on this operation?.....

TOTAL NUMBER OF FIELDS PLANTED

0020
------

[If only 1 field, enter 1 and go to item 4.]

3. Please list these oats fields according to identifying name/number or describe each field. Then I will tell you which field has been selected.

- ▶ [If there are more than 18 fields make sure item 2 is TOTAL fields planted, and list only the 18 fields closest to the operator's permanent residence.
- ▶ If respondent is unable to identify or describe the fields, use the Field Selection Grid Supplement.]

FIELD NAME, NUMBER OR DESCRIPTION

FIELD NAME, NUMBER OR DESCRIPTION

1
2
3
4
5
6
7
8
9

10
11
12
13
14
15
16
17
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 1 field, enter 1].*.....

SELECTED FIELD  
NUMBER

0021
------

5. **The field selected is (field name/number/description).**  
**During this interview, the oats questions will be about this selected field.**  
*[Be sure the operator can identify the selected field.]*

1. How many acres of oats did this operation plant in this field for the 2005 crop?.....

ACRES  
1301

a. Are the acres in this field **CERTIFIED ORGANIC**?..... YES = 1

CODE  
1311

2. Were the acres in this field-

1 owned by this operation?

2 rented for CASH with the payment being a fixed cash amount?

3 rented for CASH with the payment being a flexible cash amount?

4 rented for a SHARE of the crop?

5 rented for some combination of CASH and SHARE of the crop?

6 used RENT FREE?

CODE  
1302

3. [If field is CASH RENTED (item 2 = 2, 3 or 5), ask--]  
What was the cash rent paid per acre for this 2005 oats field?.....

DOLLARS & CENTS PER ACRE  
1303

4. [If field is SHARE RENTED (item 2 = 4 or 5), ask--]  
What was the landlord's share of the crop from this field?.....

PERCENT  
1304

5. [If field is RENTED (item 2 = 2, 3, 4, or 5), ask---]  
What was the total cost of all inputs provided by any landlord and contractor for the 2005 crop?.....  
*(Include the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, and irrigation. Exclude real estate tax expenses, drying, and lime costs paid by the landowner.)*

DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS  
1305      1306

6. What year did you (the operator listed on the label) start operating this field?.....

YEAR  
1307

7. On what date was this field planted?.....

MM DD YY  
1308

a. When planted, was this oats field planted with the intention of — (Include oats planted for commercial seed contract under other uses.).....

1 Dual purpose (grain and grazing)?

2 Harvesting for grain only?

3 Grazing only?

4 Cover crop?

5 Seed?

6 Other uses --- specify \_\_\_\_\_

CODE  
1309

[If 7a = 1 or 2 ask---]

b. Was this field planted primarily for---.....

1 Feed?

2 Milling?

CODE  
1310

UNIT CODES for Seeding Rate  
1=Pounds/Acre  
2=CWT/Acre  
4=Bushels/Acre  
25=Kernels-Seeds/Acre

9. What was the seeding rate per acre the first time this field was planted?.....

UNITS  
1313      1314

10. How many acres in this field had to be replanted to oats?

(Number of acres times the number of times replanted.)

ACRES

1315

CODE

1316

11. Was the source of the oats seed--

- 1 Purchased?
- 2 Homegrown or traded?
- 3 Both?

DOLLARS & CENTS PER BUSHEL

1317

[If item 11 = 2 or 3, ask--]

a. What was the cost per bushel for cleaning and treating this seed?

[If item 11 = 3, ask--]

b. How much of the oats seed planted in this field was grown (or received in trade) by this operation?

PERCENT

1318

UNIT CODES

- 1 = POUNDS
- 2 = CWT
- 3 = TONS
- 4 = BUSHEL
- 22 = ACRE
- 23 = 50 LB BAGS

[If any seed purchased (item 11 = 1 or 3), ask--]

13. What was the total cost per unit (including both your and the landlord's share) of purchased seed for this field? (Include cost of seed treatment)

DOLLARS & CENTS PER UNIT

1319

1320

CODE

1328

20. Has harvest of this field been completed?

YES = 1

21. Now I need information about the acres harvested (or to be harvested) and the yields from this field..

How many acres in the oats field were (will be)--	ACRES	1	2
		What yield per acre did you get (do you expect to get) for—	UNIT CODES 1= POUNDS 2= CWT 3= TONS 4= BUSHELS
		UNITS PER ACRE	UNIT CODES
a. harvested for grain? .....	1329 _____	1330 _____	1331
b. harvested for hay, silage, or green chop? .....	1332 _____	1333 _____	TONS
c. harvested for commercial seed contract? .....	1335 _____	1336 _____	1337
d. abandoned? .....	1338 _____		
e. used for some other purpose? .....	1339 _____		

22. Was straw harvested from this field?

YES - [Enter code 1 and continue.]

NO - [Go to item 24.]

CODE

1340

ACRES

1341 \_\_\_\_\_

23. How many acres of oats straw were harvested from this field? .....

a. How many tons of oats straw were harvested from these (item 23) acres?

TOTAL TONS

1342

$$\frac{\text{Tons per Acre}}{\text{Acres}} \times \text{Acres} = \text{Total Tons} \quad \text{OR} \quad \frac{\text{Bales}}{\text{Lbs per Bale}} \times \frac{2000}{\text{Lbs per Ton}} = \text{Total Tons}$$

PERCENT OR

TONS

b. Of the total oats straw harvested from this field (item 23a), what was the landlord's share of the oats straw? .....

1343

1344

TOTAL DOLLARS

1345

c. What was the total cost of baler twine/wire used to bale the oats straw from this field? (Include landlord's share.) .....

DOLLARS & CENTS PER TON

d. [If any oats straw was sold, ask---]

What was the price received per ton for all oats straw (item 23a) sold from this field? .....

1346 \_\_\_\_\_

24. What type of livestock grazed this oats field BEFORE oats harvest? .....

- 1 Cattle
- 2 Sheep
- 3 Other, specify \_\_\_\_\_
- 4 Livestock did NOT graze this oats field -Go to item 25.

CODE

1347

HEAD

a. Regardless of ownership, about how many head of (livestock, item 24) grazed this 2005 oats crop? .....

1348

DAYS

b. How many days did these livestock graze on this 2005 oats crop? .....

1349

c. [If livestock NOT owned by this operator grazed on this field, ask---]

DOLLARS & CENTS PER ACRE

OR

TOTAL DOLLARS

What is the total dollar amount received from others for Livestock grazing on this field? (Include landlord's share.) .....

1350 \_\_\_\_\_

1351

**CROP CODE LIST for item 25  
PREVIOUSLY PLANTED CROP was---**

1 Alfalfa hay	196 Tobacco, flue cured	16 Peanuts	26 Soybeans
11 Hay, all other	193 Tobacco, burley	17 Dry Peas	28 Sugarbeets
190 Barley	281 Cotton, Upland	20 Potatoes	30 Sunflowers
3 Dry Beans	282 Cotton, Pima	21 Rice	142 Vegetables
85 Canola	302 CRP	22 Rye	163 Wheat, durum
310 Clover	311 Grasses other than clover	98 Safflower	164 Wheat, other spring
6 Corn for grain	94 Mustard Seed	25 Sorghum for grain	165 Wheat, winter
5 Corn for silage	15 Oats	24 Sorghum for silage	318 <b>No crop planted</b> during this period
	31 Sweet Potatoes		

25. Next, I need to know what crops were previously **PLANTED** on the majority of this field, including cover crops

What crop was <b>PLANTED</b> on this field in---		
	<b>CROP NAME</b>	<b>CROP CODE</b>
a. <b>FALL of 2004?</b> <i>(If Fall/Winter oats, enter crop code 15)</i> .....		1352
b. <b>SPRING/SUMMER of 2004?</b> .....		1353
c. <b>FALL of 2003</b> .....		1354
d. <b>SPRING/SUMMER of 2003?</b> .....		1355
e. <b>FALL of 2002?</b> .....		1356
f. <b>SPRING/SUMMER of 2002?</b> .....		1357

26. In 2005, did your land-use practices for this field include---		CODE
a. terraces?.....	YES = 1	1358
b. temporary or permanent levees?.....	YES = 1	1359
c. grassed waterways?.....	YES = 1	1360
d. filter strips or riparian buffers on or adjoining the field?.....	YES = 1	1361
e. contour farming?.....	YES = 1	1362
f. strip cropping?.....	YES = 1	1363
g. underground outlets such as tile drainage?.....	YES = 1	1364
h. other drainage channels or diversions?.....	YES = 1	1365

		CODE
27. Has the Natural Resource Conservation Service (NRCS) classified any part of this field as "Highly Erodible"?	YES = 1	1366
28. Have you been notified by NRCS that this field contains a wetland?	YES = 1	1367
29. In 2005, did you receive technical assistance for planning, installing, maintaining, or using conservation practices or systems on this field? <i>(Include grassed waterways and filter strips or riparian buffers on or adjoining this field. Include assistance from any source whether paid for or free.)</i>	YES = 1	1368
30. During all or part of 2005, was this field enrolled in any public programs for which you or the landlord received (or will receive) cost-sharing payments, stewardship payments, or incentive payments for conservation practices on this field. [Be sure to consider grassed waterways and filter strips or riparian buffers on or adjoining this field]?	YES = 1	1369
[If item 30 is YES, ask--]		
a. Was this field enrolled in the Conservation Security Program(CSP) in 2005?	YES = 1	1370
b. Was this field enrolled in the Environmental Quality Incentives Program (EQIP) in 2005?	YES = 1	1371



31. During 2005, did any written plan of the following types cover this field and if so, in what year was the plan implemented? <i>(A "written plan" is a plan prepared in accordance with Federal, State, or district standards.)</i>	CODE	YEAR IMPLEMENTED
a. Conservation plan specifying practices to reduce soil erosion?..... YES = 1	1372	1373 _____
b. Comprehensive nutrient management plan specifying practices for applying both fertilizer and manure?..... YES = 1	1374	1375 _____
c. Nutrient management plan specifying practices for land application of manure only?..... YES = 1	1376	1377 _____
d. Pest management plan specifying pesticide use and/or other practices controlling weeds, insects, or plant disease?..... YES = 1	1378	1379 _____
e. Irrigation water management plan specifying practices for applying or conserving irrigation water?..... YES = 1	1380	1381 _____

[If items 31a, b, c, d, or e = YES, ask--]

32. During 2005, did you pay any technical service provider or consultant to develop or write any of these plans which included this field?..... YES = 1

CODE  
1382

a. [If YES, ask--]

What was the cost for developing these plans for this field?  
*(Include landlord's/contractor's share.  
Exclude cost of construction or materials.)*.....

DOLLARS & CENTS  
PER ACRE

1383  
\_\_\_\_\_

OR

TOTAL DOLLARS

1384  
\_\_\_\_\_

33. Was the oats on this field covered by Federal Crop Insurance in 2005?

YES – [Enter code 1 and continue.]

NO – [Go to item 34.]..... YES = 1

CODE

1385

a. Which coverage did you obtain?.....

- |   |   |
|---|---|
| 1 | Basic catastrophic insurance ( <i>Federal CAT</i> ) |
| 2 | Buy-up above basic federal CAT level                |
| 3 | Revenue insurance                                   |
| 4 | Other Federal Crop insurance                        |

CODE

1386

34. Was the oats on this field covered by private crop insurance?

*(Hail, wind, freeze, etc.)*..... YES = 1

1387

1. Were commercial FERTILIZERS applied to this field for the 2005 oats crop? ..... YES = 1

CODE	EDIT TABLE
0202	0201

2. [If COMMERCIAL fertilizer applied, continue, else go to item 5.]

3. How many commercial fertilizer applications were made to this field for the 2005 crop?  
*(Include applications made by airplanes and custom applicators).* .....

NUMBER
0203

4. Now I need to record information for each application

CHECKLIST	
INCLUDE	EXCLUDE
<input type="checkbox"/> Custom applied fertilizers	<input type="checkbox"/> Micronutrients
<input type="checkbox"/> Fertilizers applied in the fall of 2004 and those applied earlier if this field was fallow in 2004.	<input type="checkbox"/> Unprocessed manure <input type="checkbox"/> Fertilizer applied to previous crops in this field
<input type="checkbox"/> Commercially prepared manure	<input type="checkbox"/> Lime and Gypsum/landplaster

	T-TYPE	TABLE
	2	001
<b>Line 99</b>	<b>Office Use Lines in Table</b>	0213

APPLICATION CODES for 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/Sidedressed in or over row
4 In seed furrow	8 Foliar or directed spray

LINE	2				3	4	5	6	7
	MATERIALS USED								
	N Nitrogen	P2O5 Phosphate	K2O Potash	S Sulfur					
	[Enter percentage analysis or actual pounds of plant nutrients applied per acre.] [Show Common Fertilizers in Respondent Booklet.]				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 In the fall before seeding 2 In the spring before seeding 3 At seeding 4 After seeding	How was this applied? [Refer to code list above]	How many acres were treated in this application?  ACRES
<b>01</b>	0205	0206	0207	0214	0208	0209	0210	0211	0212
<b>02</b>	0205	0206	0207	0214	0208	0209	0210	0211	0212
<b>03</b>	0205	0206	0207	0214	0208	0209	0210	0211	0212
<b>04</b>	0205	0206	0207	0214	0208	0209	0210	0211	0212
<b>05</b>	0205	0206	0207	0214	0208	0209	0210	0211	0212
<b>06</b>	0205	0206	0207	0214	0208	0209	0210	0211	0212
<b>07</b>	0205	0206	0207	0214	0208	0209	0210	0211	0212
<b>08</b>	0205	0206	0207	0214	0208	0209	0210	0211	0212

T - TYPE 0	TABLE 000	LINE 00
---------------	--------------	------------

5. Was gypsum applied to this field for the 2005 oats crop?..... YES = 1 CODE  
0218

6. Were any fertilizers applied by custom applicators?  
 YES - [Continue.]  NO - [Go to item 7.]

a. Are you able to report the cost of fertilizer materials and custom application separately?

YES - [Continue.]  NO - [Go to item 7.]

OFFICE USE  
0215

b. Excluding the cost of the fertilizer materials, how much was spent for custom application of fertilizers on this field?

*(Include landlord and contractor costs. Exclude custom application of lime, gypsum, & purchased manure.)*  
*[If material and application costs can't be separated, exclude them here and record the total in item 7.]*

DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS  
 0219 0220

7. What was the TOTAL COST of all fertilizer products applied to this field?.....

*(Include landlord and contractor costs. Include costs for sulfur and micronutrients. Exclude lime, gypsum, & purchased manure.)*  
*[If custom applied, include the cost of materials ONLY, unless materials and application costs cannot be separated. Include materials applied to this field if it was fallow in 2004.]*

DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS  
 0221 0222

*[If planted with the intention of harvesting for grain (item B7a = 1 or 2), ask---]*

8. What was your yield goal at planting for this field?..... BUSHELS PER ACRE  
0223

9. Was a soil or plant tissue test performed on this oats field in 2004 or 2005 for the 2005 crop?

YES [Continue.]  NO [Go to item 14.]

10. Was a soil test for phosphorus performed on this oats field in 2004 or 2005 for the 2005 crop?..... YES = 1 CODE  
0225

a. *[If phosphorus test done, ask---]*

How many pounds of phosphorus (per acre) were recommended (by the phosphorus test)?.....

POUNDS PER ACRE  
0226

11. Was a soil test for nitrogen performed on this oats field in 2004 or 2005 for the 2005 crop?..... YES = 1 CODE  
0227

a. *[If nitrogen test done, ask---]*

How many pounds of nitrogen (per acre) were recommended (by the nitrogen test)?.....

POUNDS PER ACRE  
0228

12. Was a plant tissue test for nutrient deficiency performed on this field in 2004 or 2005 for the 2005 oats crop? ..... YES = 1

CODE  
0229

13. How much was spent for these soil and plant tissue tests on this field? [Include landlord and contractor costs.] ..... DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS

0230 ..... 0231

a. If tests were done at no cost explain--

<p>1 Soil/plant tissue test provided free of charge by dealer, crop consultant, or extension service.</p> <p>2 Soil/plant tissue test costs were included in the total fertilizer costs reported in item 7.</p> <p>3 Some other reason.</p>	<p style="text-align: right;">CODE 0232</p>
---	---

14. [Enumerator Action: Refer to the Fertilizer Table, column 2. If nitrogen (N) was applied, complete items 15 and 16. If NO nitrogen applied, go to item 17.]

15. Was the amount of nitrogen you decided to apply to this field based on--- [Enter code "1" for all that apply.]

a. Results of a soil or plant tissue test? .....	YES = 1	CODE 0233
b. Crop consultant recommendation? .....	YES = 1	0234
c. Fertilizer dealer recommendation? .....	YES = 1	0235
d. Extension Service recommendation? .....	YES = 1	0236
e. Cost of nitrogen and/or expected commodity price? .....	YES = 1	0237
f. Contractor recommendation? .....	YES = 1	0238
g. Routine practice (operator's own determination based on past experience, yield goal, etc.)? .....	YES = 1	0239

16. Did you use any product to slow the breakdown of nitrogen on this field? (For example a nitrification inhibitor such as N-Serve or a urease inhibitor such as Agrotain) ..... YES = 1

CODE  
0241

17. Is lime ever applied to this field? ..... YES = 1

CODE  
0242

a. [If no lime applied, go to item 18---else continue.]

YEARS

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

0243

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

TONS PER ACRE  
0244

c. [If rented, (item B2 =2, 3, 4, or 5) ask---]

Considering the last time it was applied, what percent of the total cost of lime and its application was paid by the landlord(s)? .....

PERCENT  
0245

18. Was manure or other organic material (e.g. biosolids) applied to this field for the 2005 oats crop? (Exclude commercially prepared manure.)

YES - [Enter code 1 and continue.]

NO - [Go to Section D.]

CODE

0246

ACRES

0247

a. How many acres was manure applied to?

b. What was the amount of manure applied to this field?

- 1 TONS
- 2 GALLONS
- 3 BUSHELS

CODE

0248

UNITS PER ACRE

0249

AND

OR

TOTAL UNITS

0250

MILES

0251

c. What is the distance between the manure storage/production location and the manured field?

d. What was the capacity of the manure spreader used to apply manure to this field?

- 1 TONS
- 2 GALLONS
- 3 BUSHELS

CODE

0252

AND

TOTAL UNITS

0253

e. What was the percent of manure applied---

(i) in the fall before planting?

+

0254

(ii) in the spring before planting?

+

0255

(iii) after planting?

+

0256

100%

f. Was the manure---

- 1 Lagoon liquid?
- 2 Slurry liquid?
- 3 Semi - dry or dry?

CODE

0257

g. Was the manure---

- 1 Broadcast or sprayed *without* incorporation?
- 2 Broadcast or sprayed *with* incorporation?
- 3 Injected/knifed in?
- 4 Sprayed using irrigation systems?

CODE

0258

h. Was the major source of the manure from---

- 1 Beef cattle?
- 2 Dairy cattle?
- 3 Hogs?
- 4 Sheep?
- 5 Poultry?
- 6 Equine?
- 7 Biosolids (municipal sludge, food waste, etc.)?
- 8 Other (Specify) \_\_\_\_\_?

CODE

0259

i. Was the manure---

- 1 Produced on this operation?
- 2 Purchased (including any payment for transportation or application)?
- 3 Obtained at no cost off this operation?
- 4 Obtained with compensation?

CODE

0260

**CODE**

j. Was any manure applied to this field tested for nutrient content prior to application? ..... **YES = 1**

0261
------

k. Was the application rate of commercial nitrogen fertilizer on this field reduced due to manure application? ..... **YES = 1**

0262
------

[If YES, ask--]

**PERCENT**

(i) By what percent did you reduce the commercial nitrogen fertilizer application rate on this field? ..... 

0263
------

**CODE**

19. Were the manure **APPLICATION RATES** to this field influenced by Federal, State, or local restrictions? ..... **YES = 1**

0264
------

a. [If item 19 is YES, ask--]  
What basis was used to determine these manure application rate restrictions--

(i) Nitrogen requirement of the crop? ..... **YES = 1**

0265
------

(ii) Phosphorus requirement of the crop? ..... **YES = 1**

0266
------

## NOTES

Now I have some questions about all the pesticides used on this field for the 2005 oats crop including both custom applications and applications made by this operation.

1. Were any herbicides, insecticides, fungicides or other chemicals used on the oats field for the 2005 crop?..... YES = 1

CODE	EDIT TABLE
0302	0301

[Probe for applications made in the fall of 2004 (and those made earlier if this field was fallow).]  
[If no pesticides applied, go to Section E.]

**Include** defoliants, fungicides, herbicides, insecticides, and pesticides  
**Include** biological and botanical pesticides.

**Exclude** fertilizers reported earlier and seed treatments.

T - TYPE	TABLE
3	001
LINE 99	OFFICE USE LINE IN TABLE
	0319

CHEMICAL PRODUCT NAME	LINE	2	3	4	5	6	OR	7	8
		What products were applied to this field? [Show product codes from Respondent Booklet.]	Was this product bought in liquid or dry form? [Enter L or D]	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	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
	13	0305		0306	0307	0308		0309	0310
	14	0305		0306	0307	0308		0309	0310

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

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



**APPLICATIONS CODES for column 9**

- |   |                                |
|---|--------------------------------|
| 1 Broadcast, ground without incorporation | 6 Chisel/Injected or Knifed in |
| 2 Broadcast, ground with incorporation    | 7 Banded in or over row        |
| 3 Broadcast, by aircraft                  | 8 Foliar or directed spray     |
| 4 In Seed furrow                          | 9 Spot treatments              |
| 5 In Irrigation water                     |                                |

**[ENUMERATOR NOTE:**

Use these columns only if  
**TOTAL COST**  
 (item 4 on next page)  
 cannot be provided.]



[If column 9 = 9, then column 6 and column 10 must be blank]

LINE	9	10	11	12	OPTIONAL ITEM 4		
	How was this product applied? [Enter code from above.]	How many acres in this field were treated with this product? ACRES	How many times was it applied? NUMBER	Were these applications made by— 1 Operator, Partner or family member? 2 Custom applicator? 3 Employee/Other?	DOLLARS and CENTS PER UNIT	UNIT CODE	
01	0311	0312	0313	0316	0317	0318	
02	0311	0312	0313	0316	0317	0318	
03	0311	0312	0313	0316	0317	0318	
04	0311	0312	0313	0316	0317	0318	
05	0311	0312	0313	0316	0317	0318	
06	0311	0312	0313	0316	0317	0318	
07	0311	0312	0313	0316	0317	0318	
08	0311	0312	0313	0316	0317	0318	
09	0311	0312	0313	0316	0317	0318	
10	0311	0312	0313	0316	0317	0318	
11	0311	0312	0313	0316	0317	0318	
12	0311	0312	0313	0316	0317	0318	
13	0311	0312	0313	0316	0317	0318	
14	0311	0312	0313	0316	0317	0318	

T-TYPE	TABLE	LINE
0	000	00

3. **Were any chemicals 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 product and custom application separately?

0324
------

- YES** – [Continue.]                       **NO** - [Go to item 4.]

b. Excluding the cost of the chemical product, how much was spent for custom application of chemicals and pesticides on this field?

*(Include operator and landlord cost.)* .....

**DOLLAR & CENTS  
PER ACRE**

**OR TOTAL DOLLARS**

0331
------

0332
------

**DOLLAR & CENTS  
PER ACRE**

**OR TOTAL DOLLARS**

4. **What was the TOTAL COST of all chemical products applied to this field?** .....

*Include operator and landlord cost, defoliant, herbicides, insecticides, fungicides, surfactants, wetting agents, growth regulators, and materials applied before planting and during 2004 fallow period. Exclude seed treatments*

0334
------

0335
------

**NOTE 1:** *If respondent cannot report TOTAL COST, itemize cost for each product in optional columns in Pesticide Table, item D1.*

**NOTE 2:** *For custom applications. If respondent cannot report cost of chemical product separately from application costs, report both in item 4.*

Now I have some questions about your pest management decisions and practices used on this field for the 2005 oats crop. By pests, we mean WEEDS, INSECTS, and DISEASES.

T-TYPE	TABLE	LINE
0	000	00

1. [Enumerator Action: Were PESTICIDE APPLICATIONS reported in Section D?]

- YES - [Continue.]                       NO - [Go to item 10.]

2. Was weather data used to assist in determining either the need or timing of pesticide applications?..... YES = 1
4. Were pesticides with different mechanisms of action rotated or tank mixed for the primary purpose of keeping pests from becoming resistant to pesticides?..... YES = 1

CODE
0800
0802

5. [Enumeration Action: Were HERBICIDES used (pesticide product codes 4000-4999), Section D, item 1, column 2?]

- YES - [Continue.]                       NO - [Go to item 8.]

6. Were herbicides applied to this oats field BEFORE weeds emerged? [If item 6 = YES, ask---]..... YES = 1

a. Were the herbicides applied BEFORE weeds emerged on this oats field based primarily on---

- |    |  |
|----|--|
| 1  | routine treatments of what <b>weeds</b> are usually present? |
| OR |  |
| 2  | weed scouting from the previous year?                        |

CODE
0803

CODE
0804

7. Were herbicides applied to this oats field AFTER weeds emerged? [If item 7 = YES, ask---]..... YES = 1

a. Were the herbicides applied AFTER weeds emerged on this oats field based primarily on---

- |    |  |
|----|--|
| 1  | routine treatments of what <b>weeds</b> are usually present? |
| OR |  |
| 2  | weed scouting from the current year?                         |

CODE
0805

CODE
0806

8. [Enumeration Action: Were INSECTICIDES used (pesticide product codes 1000 – 1999), in Section D, item 1, column 2?]

- YES - [Continue.]                       NO - [Go to item 10.]

9. Were the insecticides applied to this oats field based primarily on---

- |    |  |
|----|--|
| 1  | routine treatments of what <b>insects</b> are usually present? |
| OR |  |
| 2  | scouting for insect infestation?                               |

CODE
0807

10. In 2005, how was this field primarily scouted for insects, weeds, diseases, and/or beneficial organisms---

1	By conducting general observations while performing routine tasks? [Enter code 1 and go to item 13.]	CODE 0808
2	By deliberately going to the field specifically for scouting activities?[Enter code 2 and go to item 11.]	
3	This field was not scouted. [Enter code 3 and go to item 19.]	

11. Was an established scouting process used (systematic sampling, recording counts, etc.) or were insect traps used in this field?..... YES = 1

CODE  
0809

12. Was scouting for pests done in this field due to---

a. a pest advisory warning?..... YES = 1

b. a pest development model?..... YES = 1

CODE  
0810  
0811

1	2	3	
	[If YES, ask---] Was the infestation level for [column 1]—	[If column 1 = YES, ask---] Who did the majority of the scouting for [column 1]---	
	1 Worse than normal 2 Normal 3 Less than normal CODE	1 Operator, partner or family member 2 An employee 3 Farm supply or chemical dealer 4 Independent crop consultant or commercial scout CODE	
13. Was this oats field scouted for--	YES = 1		
a. weeds?.....	0812	0813	0814
b. insects or mites?.....	0815	0816	0817
c. diseases?.....	0827	0828	0829

14. [If item 13, column 3 = 3 or 4), ask--- else go to item 15.]

How much did you pay for the scouting services for this field? [Include landlord and contractor cost.].....

DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS

0830 OR 0831

a. [Note: If scouting performed at no cost, explain:.....]

OFFICE USE  
0333

15. Were written or electronic records kept for this field to track the activity or numbers of weeds, insects or diseases?..... YES = 1

16. Was scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests in field?..... YES = 1

17. Did you use field mapping of previous weed problems to assist you in making weed management decisions?..... YES = 1

CODE  
0832  
0833  
0834

19. **Did you do any of the following other type(s) of pest management for the specific purpose of managing or reducing the spread of pests in this field?**

[Enter code "1" for all that apply.]

		CODE
a.	Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for this field?.....	0836
	YES = 1	
b.	Plow down crop residues ( <i>using conventional tillage</i> )?.....	0837
	YES = 1	
c.	Remove crop residue?.....	0838
	YES = 1	
d.	Rotate crops in this field during the past 3 years?.....	0839
	YES = 1	
e.	Maintain ground covers, mulches, or other physical barriers?.....	0840
	YES = 1	
f.	Choose crop variety because of specific resistance to certain pest?.....	0841
	YES = 1	
g.	Use no-till or minimum till?.....	0842
	YES = 1	
h.	Plan planting locations to avoid cross infestation of pests?.....	0843
	YES = 1	
i.	Adjust planting or harvesting dates?.....	0844
	YES = 1	
j.	Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fences lines?.....	0845
	YES = 1	
k.	Clean equipment and field implements after completing field work to reduce the spread of pests?.....	0846
	YES = 1	
l.	Adjust row spacing, plant density or row directions?.....	0847
	YES = 1	
20.	<b>Were water management practices such as irrigation scheduling, controlled drainage, or treatment of retention water used on this field to manage for pests or toxic producing fungi and bacteria (<i>i.e. aflatoxin</i>)?.....</b>	0851
	YES = 1	
21.	<b>Was protection of beneficial organisms a factor in your pest control decisions for this field?.....</b>	0852
	YES = 1	

**PEST MANAGEMENT INFORMATION**

25. [Show Pest Management Information Sources Code List from Respondent Booklet.]

**Which outside sources of information on pest management practices and products were used for the 2005 oats crop?**

(Starting with the most influential in determining the pest management practices used on this operation, enter code(s) for up to 3 sources.)

**PEST MANAGEMENT INFORMATION SOURCES CODE LIST**

1 County, Cooperative, or University Extension Advisor, Publications or demonstrations	[Enter up to 3 source codes.]
2 Farm Supply or Chemical Dealer	
3 Commercial Scouting Service	<b>FIRST</b>
4 Independent Crop Consultant or Pest Control Advisor/Custom Applicator	0859
5 Other Growers or Producers	
6 Producer Associations, Newsletters or Trade Magazines	<b>SECOND</b>
7 Electronic Information Services (DTN, Internet, World Wide Web, etc.)	0860
8 Employee Pest Advisor	
9 Other – (Specify: _____)	<b>THIRD</b>
10 None – Operator used no <b>outside</b> information source	0861

26. **Other than pesticide applicator training, have you (the operator) attended any training session on pest identification and management since October 1, 2004?..... YES = 1** 0862

Completion Code for Pest Management Data	
1- Incomp/R	0340

## NOTES

**1. Including custom operations, I need to list field work performed by machines on this field for the 2005 oats crop. Please...**

- ▶ Begin with the first field operation after harvest of previous crop. *(If fallow during 2004, list operations starting with fall 2003.)*
- ▶ List the operations in order through harvest and hauling of this crop to storage or first point of sale. and
- ▶ Maintain the order of tandem hook-ups.

CODES FOR COLUMN 5	
1	You (The Operator)?
2	Partner?
3	Unpaid Worker?
4	Paid Part-time or Seasonal Worker?
5	Paid Full-time Worker
6	Custom Applicator?---[Skip columns 6-11.]

CHECK LIST	
Include all field work using machines for---	
<input type="checkbox"/>	Land Forming/Levee Building
<input type="checkbox"/>	Tillage
<input type="checkbox"/>	Preparing for Irrigation
<input type="checkbox"/>	Planting
<input type="checkbox"/>	Fertilizer & Pesticide applications
<input type="checkbox"/>	Harvesting & Hauling oats and oats straw to storage or first point of sale
Exclude	
<input type="checkbox"/>	Lime & Gypsum/landplaster applications

2  S E Q U E N C E  No.	3  What operation or equipment was used?	4  [Record machine code from Respondent Booklet.]  CODE	5  Who was the machine operator- [Enter code from above.]  CODE	[IF CUSTOM(column 5 = code 6), skip columns 6-11]					
				6  What was the size or swath of the [machine] used?  CODE	7  [Record size code.] 1 Feet 2 Row 3 Moldboard (bottoms) Hauling 4 Pounds 5 Bushels 6 Tons  CODE	8  How many acres were covered?  1/  ACRES	9  Which Power Source was used? 1=Tractor (<50 HP) 2=Tractor (50-99 HP) 3=Tractor (100-149 HP) 4=Tractor (150-199 HP) 5=Tractor (>=200 HP) 66=Animal Drawn 77=Pick up 99=Self Propelled  2/  CODE	10  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  CODE	11  What is the model year of the tractor.  [Record model year for Power codes 1 -5]  YEAR
0351		0352	0353	0354	0355	0356	0357	0358	0359
0361		0362	0363	0364	0365	0366	0367	0368	0369
0371		0372	0373	0374	0375	0376	0377	0378	0379
0381		0382	0383	0384	0385	0386	0387	0388	0389
0391		0392	0393	0394	0395	0396	0397	0398	0399
0401		0402	0403	0404	0405	0406	0407	0408	0409
0411		0412	0413	0414	0415	0416	0417	0418	0419
0421		0422	0423	0424	0425	0426	0427	0428	0429
0431		0432	0433	0434	0435	0436	0437	0438	0439
0441		0442	0443	0444	0445	0446	0447	0448	0449
0451		0452	0453	0454	0455	0456	0457	0458	0459
0461		0462	0463	0464	0465	0466	0467	0468	0469
0471		0472	0473	0474	0475	0476	0477	0478	0479
0481		0482	0483	0484	0485	0486	0487	0488	0489
0491		0492	0493	0494	0495	0496	0497	0498	0499
0501		0502	0503	0504	0505	0506	0507	0508	0509
0511		0512	0513	0514	0515	0516	0517	0518	0519
0521		0522	0523	0524	0525	0526	0527	0528	0529

1/ For backhoes, disk border maker, ditch closer, ditcher, levee-plow disk, quarter drain machine, rear mounted blade, and hauling operations, enter **TOTAL HOURS**.

2/ If trucks other than pick-ups are used as the power source, use truck codes in Respondent Booklet. If power source equals 66, 77, or 99, skip columns 10 and 11.

**OFFICE USE**  
0032



2. Was a self-propelled harvester and/or swather used to harvest the oats field?

- YES - [Continue.]                       NO - [If NO, go to item 3.]

[If item 2 = YES, ask--]

a. What is the model year of the self-propelled harvester(s) used to harvest oats from this field? (Report the average year if more than one was used.) .....

YEAR

1100 ____
--------------

b. What is the model year of the self-propelled swather(s) used to harvest oats from this field? (Report the average year if more than one was used.) .....

YEAR

1101 ____
--------------

3. I need some information about the additional labor, other than the labor just reported operating machines, that worked on this field.

Please report the paid and unpaid labor that worked on this field to produce the 2005 oats crop.

TYPE OF WORKERS	1 How many hours did (type of worker) spend on this field---	
	a. scouting for weeds and insects?	b. irrigating?
	HOURS	HOURS
You (The Operator)	1102	1103
Partner(s)	1104	1105
Unpaid workers	1106	1107
Paid part-time or seasonal workers (Exclude custom and contract labor)	1108	1109
Paid full-time workers (Exclude custom and contract labor)	1110	1111

4. What was the average hourly wage rate paid to full-time hired workers? (Exclude custom and contract workers, payroll taxes and benefits.) .....

DOLLARS & CENTS  
PER HOUR

1114 _____
---------------

5. What was the average hourly wage rate paid to part-time or seasonal hired workers? (Exclude custom and contract workers, payroll taxes and benefits.) .....

DOLLARS & CENTS  
PER HOUR

1115 _____
---------------

6. Was any contract labor used on this field? .....

CODE

1116
------

a. If YES, ask – What was the average cost per acre for this contract labor? (Include landlord and contractor costs.) .....

DOLLARS & CENTS  
PER ACRE

1117 _____
---------------

7. What percent of the total hours worked on this field by UNPAID workers was worked by children under 16 years old? .....

PERCENT

1118
------

8. Now I need some information on how much was spent for custom services used on this field for the 2005 oats crop.

1 CUSTOM SERVICE	2 Including landlord's/contractor's cost, how much was spent for [column 1] on this field for the 2005 oats crop?  DOLLARS & CENTS PER ACRE
Which of these services were done for the 2005 oats crop on this field?  √ [Check √ box for each service performed; refer to item F1 if necessary.]	
<input type="checkbox"/> a. custom land preparation, shaping and/or leveling? .....	1119 _____
<input type="checkbox"/> b. custom cultivating? .....	1120 _____
<input type="checkbox"/> c. custom planting and/or reseeding? .....	1121 _____
<input type="checkbox"/> d. custom harvesting? .....	1122 _____
<input type="checkbox"/> e. custom hauling to storage or point of first sale? .....	1126 _____
( _____ X _____ ÷ _____ = _____ Dollars & Cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & Cents per acre.)	
<input type="checkbox"/> f. custom harvesting and hauling from field to storage or point of first sale? .....	1127 _____
( _____ X _____ ÷ _____ = _____ Dollars & Cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & Cents per acre.)	
<input type="checkbox"/> g. custom raking, baling, and hauling the straw from this field? .....	1128 _____
( _____ X _____ ÷ _____ = _____ Dollars & Cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & Cents per acre.)	

9. Did you hire any technical or consultant services to make recommendations for this field? (such as for nutrient, pest control, irrigation, or precision farming recommendations)

- YES - [Continue.]       NO - [Go to item 11.]

		CODE
a. Nutrient recommendations/management service? .....	YES = 1	1129
b. Collect soil or tissue samples? .....	YES = 1	1130
c. Pest control recommendations/management service? .....	YES = 1	1131
d. Pest scouting? .....	YES = 1	1132
e. Irrigation management service (i.e. irrigation scheduling)? .....	YES = 1	1133
f. Yield map or remote sensing map development/interpretation? .....	YES = 1	1134
g. Other custom or technical service (Specify: _____) .....	YES = 1	1135

10. If YES to any of these services, what was the cost for all of these services?

(Include landlord/contractor cost.

Exclude cost of soil/tissue tests or scouting cost reported earlier.

Do not report 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

1136  
\_\_\_\_\_

1137  
\_\_\_\_\_

		CODE
11. Was there (will there be) a yield monitor on the equipment used to harvest this oats field? .....	YES = 1	1138
[If YES, continue; else go to item 12.]		
a. Was there (will there be) a yield map produced from this harvest using information from the yield monitor? .....	YES = 1	1139
b. Did you use the yield monitor information to--- [Enter code for all that apply.]		
(i) monitor crop moisture content to determine need for crop drying? .....	YES = 1	1140
(ii) add/improve tile drainage? .....	YES = 1	1141
(iii) add/improve irrigation equipment/irrigation water application? .....	YES = 1	1142
(iv) conduct in-field experiments (e.g., compare fertilizer applications, seed varieties, herbicides, pesticides, etc)? .....	YES = 1	1143
(v) negotiate new crop leases? .....	YES = 1	1144
(vi) document yields for crop insurance, real estate tax, or farm program purposes? .....	YES = 1	1145
(vii) accurately divide crop production among partners and/or for landlord crop shares? .....	YES = 1	1146
(viii) other uses [specify _____]	YES = 1	1147

		CODE
12. During 2004 or 2005, was a GPS (Global Positioning System) device used to produce a map of the soil properties of this field? (such as nitrate levels, PH, soil type, etc.) .....	YES = 1	1148

[If item 12 is YES, Ask—]

		CODE			
a. Was the information collected above based on---	<table border="1" style="border-collapse: collapse; width: 100%;"> <tr> <td style="padding: 2px;">1 soil tests from this field?</td> </tr> <tr> <td style="padding: 2px;">2 a machine that measured electrical conductivity of the soil in this field (e.g. Veris machine)?</td> </tr> <tr> <td style="padding: 2px;">3 other? Specify _____</td> </tr> </table>	1 soil tests from this field?	2 a machine that measured electrical conductivity of the soil in this field (e.g. Veris machine)?	3 other? Specify _____	1149
1 soil tests from this field?					
2 a machine that measured electrical conductivity of the soil in this field (e.g. Veris machine)?					
3 other? Specify _____					

		CODE
13. Did you have an airplane or satellite provide an image or photograph of this field either at the start or during the 2005 growing season? .....	YES = 1	1151

14. Was a variable rate applicator (i.e., variable rate technology or VRT; include on-the-go systems such as GreenSeeker) used on this field for---		
a. fertilization or liming? .....	YES = 1	1152
(i) If YES, ask---Did you use a variable rate applicator for--- [Enter code "1" for all that apply.]		
(1) nitrogen applications? .....	YES = 1	1153
(2) phosphorus applications? .....	YES = 1	1154
(3) potash applications? .....	YES = 1	1155
(4) lime applications? .....	YES = 1	1156
(5) manure applications? .....	YES = 1	1157
b. seeding? .....	YES = 1	1158
c. pesticide applications? .....	YES = 1	1159

15. Was a guidance or auto-steering system (connected to G.P.S.) used with any machine operation on this field (e.g. light bar, assisted steering, automatic steering, etc. – exclude custom operations)? .....	YES = 1	1212
---	---------	------

ACRES

1. How many acres in this field were irrigated for the 2005 oats crop?  
[If none, go to Conclusion.] .....
2. Now, I have some questions about irrigation systems and water used on this field for the 2005 oats crop.

1160
------

		UNIT	SYSTEM 1	SYSTEM 2
a. What type(s) of irrigation system(s) was used to irrigate this field? <i>[Show System Type Codes in the Respondent Booklet. Enter System Type Code for up to two systems covering the most field acres.]</i>	↓	SYSTEM TYPE CODE	1161	1175
b. What was the total quantity of water applied 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	1162	1176
		OR TOTAL ACRE -FEET	1163	1177
<i>[If operator cannot provide item 2b, ask (i) &amp; (ii)---]; else go to 2c</i>				
(i) What is the <b>total</b> number of <b>hours</b> this system was used to apply water to this field during the oats growing season? .....		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 irrigate this field through this system came from surface water sources? .....		PERCENT	1166	1180
d. What was the number of times this field was irrigated during the oats growing season using this system? <i>[Include any pre-plant irrigation.]</i>		NUMBER OF IRRIGATIONS	1167	1181
e. Was the pump type--- <i>[Enter code for most common pump type.]</i> <i>(If more than one pump in the system, enter type for pump closest to water source.)</i>	<b>1 TURBINE?</b> <b>2 SUBMERSIBLE?</b> <b>3 CENTRIFUGAL?</b> <b>4 BOOSTER?</b> <b>5 SIPHON?</b> <b>99 NO PUMP?</b> <i>[If code 99, go to item j.]</i>	CODE	1168	1182
f. What was the average pumping rate? .....		GALLONS PER MINUTE	1169	1183
g. <i>[If item 2a = code 1-9 (PRESSURE SYSTEM), ask---]</i> What was the system operating pressure? .....		POUNDS PER SQUARE INCH	1170	1184
h. What was the primary motor type used to pump the water?	<b>1 DIESEL</b> <b>2 GASOLINE</b> <b>3 LP GAS</b> <b>4 NATURAL GAS</b> <b>5 ELECTRICITY</b> <b>6 SOLAR POWER</b>	CODE	1171	1185
i. What was the average motor size? .....		HORSEPOWER	1172	1186
j. <i>[If NO PUMP was used (item e = 99), ask---]</i> What was the average flow rate? .....		GALLONS PER MINUTE	1173	1187
k. How many other acres on this operation were irrigated using this field's irrigation system during the 2005 growing season? <i>[Exclude this field.]</i>		ACRES	1174	1188

3. What was the cost of the fuel or electricity used to irrigate this field? .....

	DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
	1208		1209

4. **Was any water purchased to irrigate this field?**  
*(Include landlord's share and purchases from all sources.)*

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

**CODE**

1189

**PERCENT**

1190

a. What percent of the water used on this field was purchased?.....

**DOLLARS & CENTS  
PER ACRE**

**OR TOTAL DOLLARS**

1191

1192

b. What was the total cost for the water purchased for this field during the 2005 growing season?  
*(Include landlord and contractor costs and ditch maintenance costs.)*.....

5. *[If SIPHON TUBES were used (item 2a = 10 or 11), ask---]*

**TOTAL DOLLARS**

1193

**What would be the total cost to replace all the siphon tubes used on this field?**.....

6. *[If POLY PIPE system were used (item 2a = 14) ask---]*

**TOTAL DOLLARS**

1194

**What was the total amount spent for poly pipe used on this field during the 2005 growing season?**.....

7. *[If GATED PIPE system were used (item 2a = 15 or 16), ask---]*

**INCHES**

1195

a. What was the average diameter of gated pipe used to irrigate this field?.....

**FEET**

1196

b. What was the total length of gated pipe used?.....

8. **Were wells used to supply irrigation water for this field?**

**CODE**

**YES** - *[Enter code 1 and continue.]*       **NO** - *[Go to item 9.]*.....

1197

**NUMBER**

1198

a. How many wells were used to irrigate this field?.....

**INCHES**

1199

b. What was the average diameter of the outer well casing?.....

**FEET**

1200

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.]*.....

**CODE**

1201

d. Did this well(s) have a water meter or other flow measurement device?..... **YES = 1**

e. Were other fields irrigated using water pumped from well(s) that supplied water to the selected field?

**CODE**

1202

**YES** - *[Enter code 1 and continue.]*       **NO** - *[Go to item 9.]*.....

**ACRES**

1203

(i) Excluding this field, how many other acres on this operation were irrigated using the same well(s) during the 2005 growing season?.....

9. **Other than pipe that is part of the system, was any additional mainline or lateral pipe used to carry water from the source to this field?**  
*(Include underground pipe.)*

- YES** - [Continue.]       **NO** - [Go to item 10.]

a. What was the average diameter (*in inches*) of the most common type of this additional pipe used? .....

**INCHES**

1205
------

b. How many feet of this additional pipe were used to bring water to this field? .....

**FEET**

1206
------

<b>RUN-OFF CODES</b>	
1	retained at the end of the field?
2	re-used to irrigate on the farm?
3	collected in evaporation ponds on the farm?
4	drained from the farm?
5	there is no run off.

10. **Is the run-off from this field---** .....

**CODE**

1207
------

## NOTES

# CONCLUSION

## LOCATION OF SELECTED FIELD

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

What county is the oats field in? .....

Field description .....

COUNTY NAME

OFFICE USE  
COUNTY FIPS  
CODE

0010

### FOR STATES WITH GPS UNITS ONLY

Field location .....

LATITUDE

LONGITUDE

0054

0055

N

W

d d m m s s

d d d m m s s

2. [ENUMERATOR ACTION:

*Mark map to indicate where the selected oats field is located.  
Be sure the "X" marked on map is in county identified above.]*

3. We will need additional information to complete this study. We will contact you in February or March, 2006, to collect it. I'll call you then to set up a time that is good for you.

4. Would you like to receive a copy of the results of this survey in the mail?

(Results will also be available on the Internet at <http://www.usda.gov/nass/> & <http://www.ers.usda.gov/>.) ..... YES = 1

CODE

0099

HH MM

0005

5. ENDING TIME [MILITARY] .....

## RECORDS USE

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

a. [fertilizer data?] ..... YES = 1

b. [pesticide data?] ..... YES = 1

c. [majority of this expense data?] ..... YES = 1

CODE

0011

0012

0013

## SUPPLEMENTS USED

7. [Record the total number of each type of supplement used to complete this interview.] .....

NUMBER

FERTILIZER APPLICATIONS

0041

PESTICIDE APPLICATIONS

0042

FIELD OPERATIONS

0043

Reported by: \_\_\_\_\_ Telephone: (\_\_\_\_) \_\_\_\_\_

Response		Respondent		Mode		Enum	Eval.	Date MM DD YY	Optional	Optional
1-Comp	9901	1- Op/Mgr	9902	2-Tel	9903	0098	0100	0007	0002	0003
2-R		2-Sp		3-Face-to-Face						
3-Inac		3-Acct/Bkpr								
		4-Partner								
		9-Other						____ 05		

S/E Name \_\_\_\_\_