



U.S. Department of Agriculture  
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1400 Independence Avenue, S.W.  
Washington, D.C. 20250-2000  
202-720-7017

# AGRICULTURAL RESOURCE MANAGEMENT STUDY UPLAND COTTON PRODUCTION PRACTICES REPORT for 1997

Form Approved  
O.M.B. Number 0535-0218  
Approval Expires 9/30/99  
Project Code 906  
Phase II

VERSION	STRATUM	ID/SEGMENT	TRACT	SUBTRACT	T-TYPE	TABLE	LINE
08					0	000	00

CONTACT RECORD		
DATE	TIME	NOTES

R CODES	
3 - COMP	0910
5 - SCREENOUT	
8 - REF	
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 practices to produce upland cotton and need your help to make the information as accurate as possible. Authority for collection of information on the Upland Cotton 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 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.

BEGINNING TIME [MILITARY] . . . . .

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

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

**SCREENING BOX**

<b>PARTNERS:</b>	
LSF ID _____	LSF ID _____
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY      STATE      ZIP      PHONE NUMBER	CITY      STATE      ZIP      PHONE NUMBER
LSF ID _____	LSF ID _____
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY      STATE      ZIP      PHONE NUMBER	CITY      STATE      ZIP      PHONE NUMBER

Office Use Comp Code	0912	Partners' Stratum 182	0925	0926	0927	0928
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# A UPLAND COTTON FIELD SELECTION A

1. How many acres of upland cotton did this operation **plant** in 1997?  
*[If no acres planted, review information on Phase I Information Form.  
Make notes, then go to Conclusion, back page.]* .....

TOTAL  
PLANTED ACRES  
0117

3. I will follow a simple procedure to make a random selection from the upland cotton fields planted for the 1997 crop.  
  
What is the TOTAL number of upland cotton fields that were planted on this operation? .....

NUMBER  
0122

*[If only 1 field, go to item 5.]*

4. **Please list these 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, list only the 18 fields closest to your permanent residence.)*  
▶ *[If respondent is unable to identify or describe the fields, use a Field Selection Grid on next page.]*

**FIELD NAME, NUMBER OR DESCRIPTION**

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

5 \_\_\_\_\_

6 \_\_\_\_\_

7 \_\_\_\_\_

8 \_\_\_\_\_

9 \_\_\_\_\_

**FIELD NAME, NUMBER OR DESCRIPTION**

10 \_\_\_\_\_

11 \_\_\_\_\_

12 \_\_\_\_\_

13 \_\_\_\_\_

14 \_\_\_\_\_

15 \_\_\_\_\_

16 \_\_\_\_\_

17 \_\_\_\_\_

18 \_\_\_\_\_

OFFICE USE  
0124



**B FIELD CHARACTERISTICS---SELECTED FIELD**

**B**

1. How many acres of upland cotton did this operation plant in the selected field in 1997? ..... ACRES  
1291

2. How many acres in this field were--

a. owned by this operation? ..... 1292

b. rented for **CASH**? ..... 1293

c. **SHARE** rented? ..... 1294

d. used **RENT-FREE**? ..... 1295

8. Was a no-till system used to prepare and plant this upland cotton field?

**YES** - [Enter code 1 and continue.]       **NO** - [Go to item 9.] ..... CODE  
1296

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  
1297

9. On what date was this field planted? ..... MM DD YY  
1298

10. What was the seeding rate per acre the first time this field was seeded? ..... UNIT CODE  
1=POUNDS  
2=CWT.  
4=BUSHEL  
25=KERNELS/SEEDS  
UNITS PER ACRE  
1299 1300

a. Was the upland cotton seed--

- 1 **DRILLED**

2 **PLANTED IN CONVENTIONAL ROWS**

3 **BROADCAST on this FIELD?**

..... CODE  
1301

b. [If **DRILLED** or **PLANTED**, ask--] What was the row width in inches? ..... INCHES  
1302

12. Was the source of the upland cotton seed--

- 1 **PURCHASED**

2 **HOMEGROWN OR TRADED**

3 **BOTH**

..... CODE  
1303

[If any seed was **HOMEGROWN OR TRADED** (item 12 = 2 or 3), continue; else go to item 15.]

13. How much of the upland cotton seed planted in this field was grown (or received in trade) by this operation? ..... PERCENT      OR      TOTAL BUSHEL  
1304 1305

**B FIELD CHARACTERISTICS---SELECTED FIELD**

**B**

15. [If any seed was PURCHASED (item 12 = 1 or 3) ask--; else go to item 18.]

**Was one of these pest resistant varieties of upland cotton seed used--**  
 [Use Seed Variety Code List.]

- |          |  |
|----------|--|
| <b>1</b> | <b>herbicide (Roundup or Buctril) resistant varieties--</b><br>(Monsanto Roundup Ready Cotton, such as Delta & Pine Land Co. <i>deltapine90RR</i> ,<br><i>deltapine5415RR</i> , or <i>deltapine5690RR</i> or other<br><br><i>Buctril</i> resistant variety, such as <i>Stoneville BXN47</i> ,<br><i>BXN57</i> or other)? |
| <b>2</b> | <b>Bt varieties for insect resistance</b><br>(Monsanto Bollgard, such as Delta & Pine Land Co. <i>NuCOTN33</i> , <i>NuCOTN35</i> , <i>deltapine20B</i> ,<br><i>deltapine50B</i> , <i>deltapine90B</i> or other)?   |
| <b>5</b> | <b>None of these?</b>  |

		CODE
a.	in this field in 1997? .....	1306
b.	in this field in 1996? .....	1307

18. Has harvest of this field been completed? ..... YES = 1

CODE
1308

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

1	2 How many acres in the upland cotton field were (will be) harvested for-- [column 1] ACRES	3 What yield per acre did you get (do you expect to get) for cotton lint?  POUNDS PER ACRE
d. cotton lint?	0033 •	0034
h. abandoned?	0045 •	
i. other use?	0046 •	

**B FIELD CHARACTERISTICS---SELECTED FIELD****B**

CROP CODE LIST for item 20 PREVIOUSLY PLANTED CROP was--			
1 Alfalfa hay 190 Barley 3 Dry Beans 85 Canola 310 Clover 6 Corn for grain 5 Corn for silage	201 Cotton, Upland 202 Cotton, Pima 302 CRP 311 Grasses other than clover 11 Hay, all other 94 Mustard 15 Oats	16 Peanuts 17 Dry Peas 20 Potatoes 21 Rice 22 Rye 98 Safflower 25 Sorghum for grain 24 Sorghum for silage	26 Soybeans 28 Sugarbeets 30 Sunflowers 142 Vegetables 163 Wheat, durum 164 Wheat, other spring 165 Wheat, winter 318 Fallow or Idle (diverted)

20. Next I need to know what crops were previously PLANTED on this field, including cover crops.

1	2 What crop was PLANTED on this field in-- [column 1]		3 Was this crop irrigated on this field? YES=1
	NAME	CODE	
a. FALL of 1996? .....		0072	0073
b. SPRING/SUMMER of 1996? .....		0074	0075
c. FALL of 1995? .....		0076	0077
d. SPRING/SUMMER of 1995? .....		0078	0079
e. FALL of 1994? .....		0080	0081
f. SPRING/SUMMER of 1994? .....		0082	0083

21. [If most recent crop in item 20 was SMALL GRAIN, (barley, oats, rye or wheat) ask--]

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

YES = 1

CODE

1309

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

a. terraces? .....

YES = 1

1310

b. contour farming? .....

YES = 1

1311

c. temporary or permanent levees? .....

YES = 1

1312

d. grassed waterways? .....

YES = 1

1313

e. strip cropping? .....

YES = 1

1314

f. underground outlets such as tile drainage? .....

YES = 1

1315

g. other drainage channels or diversions? (*Include water furrows*) .....

YES = 1

1316

23. Has the Natural Resource Conservation Service  
or NRCS classified this field as "Highly Erodible"?

YES = 1

1317

24. Have you been notified by NRCS that this field contains a wetland? .....

YES = 1

1318

**C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C**

1. What commercial FERTILIZERS were applied to this field for the 1997 upland cotton crop?  
 [If none, go to item 6.]

EDIT TABLE

0201

TTYPE TABLE

2

001

CHECK LIST

Include

Exclude

- Custom Applied Fertilizers
- Fertilizer applied in the fall of 1996 and those applied earlier if this field was fallow in 1996.

- Micronutrients
- Manure

99	OFFICE USE LINES IN TABLE	0213
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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? 1 BEFORE SEEDING (FALL) 2 BEFORE SEEDING (SPRING) 3 AT SEEDING 4 AFTER SEEDING	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/Sidedressed 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 <sub>2</sub> O <sub>5</sub> Phosphate	K <sub>2</sub> 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
07	0205	0206	0207	0208	0209	0210	0211	0212
08	0205	0206	0207	0208	0209	0210	0211	0212

T-0	TABLE 000	LINE 00
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**C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C**

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

4. *[If Nitrogen was applied to this field, ask--]*  
 Did you use any product to slow the breakdown of Nitrogen? ..... YES = 1

CODE  
1320

6. Was a--  
 a. **soil test** performed on this field in 1996 or 1997  
 for the 1997 upland cotton crop? ..... YES = 1

CODE  
1322

b. **plant tissue test** (performed on this field in 1996 or 1997  
 for the 1997 upland cotton crop)? ..... YES = 1

CODE  
1323

7. Was a Nitrogen soil test performed?  
 **YES** - *[Enter code 1 and continue.]*       **NO** - *[Go to item 8.]* .....

CODE  
1324

a. Was the amount of Nitrogen applied to this field-- .....

1	<b>More than the Amount Recommended?</b>
2	<b>Less than the Amount Recommended?</b>
3	<b>Exactly the Amount Recommended?</b>

CODE  
1325

8. Is **gypsum** ever applied to this field?  
 **YES** - *[Enter code 1 and continue.]*       **NO** - *[Go to item 9.]* .....

CODE  
1326

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

YEARS  
1327

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

TONS PER ACRE  
1328

9. Is **lime** ever applied to this field?  
 **YES** - *[Enter code 1 and continue.]*       **NO** - *[Go to item 10.]* .....

CODE  
1329

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

YEARS  
1330

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

TONS PER ACRE  
1331



**C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C**

10. Was manure applied to this field for the 1997 upland cotton crop?  
 (Exclude commercially prepared manure.)

**YES** - [Enter code 1 and continue.]

**NO** - [Go to Section D.]

<b>CODE</b>
1332

a. How many acres was manure applied to? .....

<b>ACRES</b>
1333

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

<b>TOTAL TONS</b>	OR	<b>TOTAL GALLONS</b>
1334		1335

c. Was the manure--

- |   |   |
|---|---|
| 1 | Dry Broadcast without Incorporation?    |
| 2 | Dry Broadcast with Incorporation?       |
| 3 | Liquid Broadcast without Incorporation? |
| 4 | Liquid Broadcast with Incorporation?    |
| 5 | Injected/Knifed In?                     |

<b>CODE</b>
1336

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

- |   |               |
|---|---------------|
| 1 | Beef Cattle?  |
| 2 | Dairy Cattle? |
| 3 | Hogs?         |
| 4 | Sheep?        |
| 5 | Poultry?      |
| 6 | Other?        |

1337
------

e. Was the manure--

- |   |   |
|---|---|
| 1 | Produced on this Operation?             |
| 2 | Purchased?                              |
| 3 | Obtained at No Cost off this Operation? |

1338
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**D PESTICIDE APPLICATIONS --- SELECTED FIELD D**

1. Including both custom applications and applications made by this operation, let's list all the chemicals used on this field for the 1997 upland cotton crop.

Were any herbicides, insecticides, fungicides or other chemicals used on the this field for the 1997 upland cotton crop?

[Probe for applications made in the fall of 1996 (and those made earlier if this field was fallow).]

YES - [Continue.]  NO - [Go to Section E.]

EDIT TABLE

0301

CHECK LIST

Include

- Defoliants
- Herbicides
- All other pesticides

- Fungicides
- Insecticides

Exclude

- Fertilizers reported earlier
- Seed Treatments

T-TYPE

3

TABLE

001

99 OFFICE USE LINES IN TABLE 0319

NOTES	LINE	2	3	4	5	6 OR 7	8	
		What products were applied to this field? [Use 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 tank 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	[Enter unit code.] 1 POUNDS 12 GALLONS 13 QUARTS 14 PINTS 15 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

[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.]
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

**D PESTICIDE APPLICATIONS --- SELECTED FIELD D**

APPLICATION 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 air ( <i>Aerial application</i> )	8 Foliar or Directed spray
4 In Seed Furrow	9 Spot treatments
5 In Irrigation water	



LINE	9 How was this product applied? <small>[Enter code from above.]</small>	10 How many acres in this field were treated with this product?  ACRES	11 What was the number of times applied?  NUMBER	12 What was the PRIMARY target pest for this application? <small>[Use Target Pest codes from Respondent Booklet.]</small>	13 This year, was the problem of this pest-- 1 worse than normal? 3 normal? 5 less than normal? 7 unknown? 9 not applicable?	14 Were these applications made by-- 1 Operator, Partner or Family member? 2 Custom applicator? 3 Employee / Other?
	01	0311	0312 . ==	0313	0314	0315
02	0311	0312 . ==	0313	0314	0315	0316
03	0311	0312 . ==	0313	0314	0315	0316
04	0311	0312 . ==	0313	0314	0315	0316
05	0311	0312 . ==	0313	0314	0315	0316
06	0311	0312 . ==	0313	0314	0315	0316
07	0311	0312 . ==	0313	0314	0315	0316
08	0311	0312 . ==	0313	0314	0315	0316
09	0311	0312 . ==	0313	0314	0315	0316
10	0311	0312 . ==	0313	0314	0315	0316
11	0311	0312 . ==	0313	0314	0315	0316

T-TYPE	TABLE	LINE
0	000	00

**E PEST MANAGEMENT PRACTICES--SELECTED FIELD E**

T-TYPE	TABLE	LINE
0	000	00

- Now I have some questions about pest management decisions and practices used on this field for the 1997 upland cotton crop. **By pests, we mean WEEDS, INSECTS and DISEASES.**
- Let's begin with questions about scouting this field for pests.

1	2 Was the upland cotton 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 Independent Crop consultant or Commercial scout?  CODE
a. weeds .....	0325	0326
b. insects .....	0327	0328
c. diseases .....	0329	

- [If field was SCOUTED ask--; else go to item 6.]

Were written or electronic records kept for this **upland cotton** field to track the **activity or numbers** of weeds, insects or diseases?

- YES** - [Enter code 1 and continue.]       **NO** - [Go to item 6.] .....

CODE
1343

- [If YES, ask--]

Which pests did you keep records on--  
[Use Target Pest codes in Respondent Booklet.] ...

ENTER TARGET PEST CODES			
1344	1345	1346	1347

# E PEST MANAGEMENT PRACTICES--SELECTED FIELD E

6. [Enumerator Action: Were HERBICIDES used (*pesticide product codes 4000-4999*), Section D, item 1 column 2?

YES - [Continue.]       NO - [Go to item 12.]

7. Did you apply herbicides to the upland cotton field BEFORE weeds emerged?

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

CODE

1348

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

- a. a routine treatment for weed problems experienced in previous years? . . . . . YES = 1
- b. field mapping of previous weed problems? . . . . . YES = 1
- c. recommendations from a chemical dealer? . . . . . YES = 1
- d. recommendations from an independent crop consultant? . . . . . YES = 1

1349

1350

1351

1352

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

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

1353

10. 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. recommendations from a chemical dealer? . . . . . YES = 1
- d. recommendations from an independent crop consultant? . . . . . YES = 1

1354

1355

1356

1357

12. [Enumerator Action: Were INSECTICIDES used (*pesticide product codes 1000-1999*), Section D, item 1 column 2?

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

13. Did you decide to apply insecticides to the upland cotton field based on--

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

1359

1360

1361

1362

1363

1364

**E PEST MANAGEMENT PRACTICES--SELECTED FIELD E**

CODE

1365
------

14. Was this upland cotton field cultivated **for weed control** during the growing season? . YES = 1

15.

1	2 →	3
<b>Were (was)--</b>	<b>YES=1</b>	[If YES = 1 in column 2, ask--] <b>Was your main reason for doing this to control--</b>  1 WEEDS 2 INSECTS 3 BOTH  <b>CODE</b>
a. planting or harvesting dates adjusted on this field to reduce (or control) pests? .....	1366	1367
b. pesticides alternated from year to year on this field to control pests? (Use pesticides from different families.) .....	1368	1369
c. row spacing or plant density adjusted on this field to control pests? .....	1370	1371
d. practices such as tilling, mowing, burning, and/or chopping of field edges, lanes or roadways from this field used to keep pests from spreading? .....	1372	1373
e. cleaning the harvesting and tillage implements from this field done to reduce the spread of pests? .....	1374	1375
g. water management practices, such as controlled drainage or irrigation scheduling used on this field to control pests? [Exclude chemigation.] .....	1378	1379

16. Was (were)--

CODE

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

1381
1382

17. Were --

- a. beneficial insects purchased and released in this upland cotton field? .....
- b. pheromone lures used in this upland cotton field to--
  - (1) monitor pests by trapping? .....
  - (2) control pests by disrupting mating? .....

1386
1387
1388

**E PEST MANAGEMENT PRACTICES--SELECTED FIELD E**

19. What was your primary outside source of information on pest management recommendations for the 1997 upland cotton crop?  
[Use Pest Management Information Sources code List.]

**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 Electronic Information Services (World Wide Web, DTN, etc.)
- 8 Other
- 9 None

[Choose one and enter code.]

1389

20. Have you (the operator) attended a training session on pest identification and management since October 1, 1996? ..... YES = 1

**CODE**

0397

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

0398

**OFFICE USE**

0399

**F** **FIELD OPERATIONS---**SELECTED FIELD **F**

---

11. Was a moldboard plow used to prepare this field for this cotton crop? ..... YES = 1

<b>CODE</b> 0869
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a. What month was the moldboard plow used for this cotton field? .....

<b>MMYY</b> 0870 _ _ _ _
--------------------------------

12. Was a stale-seedbed system used to prepare and plant this cotton field? ..... YES = 1

<b>CODE</b> 0871
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# G IRRIGATION---SELECTED FIELD

G

	<b>ACRES</b>
1. How many acres in this field were irrigated for the 1997 upland cotton crop? [If none, go to conclusion.] .....	1392
2. Now, I have some questions about the irrigation of this field for the 1997 upland cotton crop.	
a. What type of irrigation system was used to irrigate this field? [Ask Respondent to look at <b>System Type Codes</b> in the Respondent Booklet. Enter <b>System Type Code</b> for system covering the most field acres.] .....	<b>SYSTEM TYPE CODE</b> 1393
b. What was the <b>total</b> number of inches of water applied <b>per acre</b> to this field during the entire growing season? ( <b>Include ALL</b> water used from both on-farm and off-farm sources.) .....	<b>INCHES PER ACRE</b> 1394
c. [Ask only if operator cannot provide item 2b; else go to item 2d.] What is the <b>total</b> number of <b>hours</b> that water was applied to this field during the growing season? .....	<b>TOTAL HOURS</b> 1395
(1) How many gallons per minute were applied? .....	<b>GALLONS PER</b> 1396
d. What percent of ALL water applied to this field came from surface water sources? .....	<b>PERCENT</b> 1397
e. What was the number of times this field was irrigated during the growing season? .....	<b>NUMBER</b> 1398
3. Was any water purchased to irrigate this field? ( <b>Include</b> landlord's share and purchases from all sources.)	<b>CODE</b>
<input type="checkbox"/> <b>YES</b> - [Enter code 1 and continue.] <input type="checkbox"/> <b>NO</b> - [Go to item 7.] .....	1399
a. What percent of the water used on this field was purchased? .....	<b>PERCENT</b> 1400
7. Were wells used to supply irrigation water for this field?	<b>CODE</b>
<input type="checkbox"/> <b>YES</b> - [Enter code 1 and continue.] <input type="checkbox"/> <b>NO</b> - [Go to conclusion.] .....	1401
e. What was the total cost for fuel and power used to pump irrigation water from these wells in 1997? .....	<b>TOTAL DOLLARS</b> 1402

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**NOTES and CALCULATIONS:**

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**NOTES and CALCULATIONS:**

# CONCLUSION

## LOCATION OF SELECTED FIELD

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

What county is the selected upland cotton field in? \_\_\_\_\_

OFFICE USE--  
COUNTY FIPS CODE

0021

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

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

<b>RESPONDENT</b>	<table border="1"><tr><td>1 Operator/manager/partner</td><td>.....</td></tr><tr><td>2 Spouse</td><td>.....</td></tr><tr><td>3 Accountant/bookkeeper</td><td>.....</td></tr><tr><td>4 Other</td><td>.....</td></tr></table>	1 Operator/manager/partner	.....	2 Spouse	.....	3 Accountant/bookkeeper	.....	4 Other	.....	<b>CODE</b> 0101
1 Operator/manager/partner	.....									
2 Spouse	.....									
3 Accountant/bookkeeper	.....									
4 Other	.....									
Respondent's name [if code 3 or 4] .....	_____									
Phone .....	( ) _____									
<b>RECORDS USE</b>										
Did the respondent use farm/ranch records to report <b>fertilizer</b> data? .....	YES = 1	0107								
Did the respondent use farm/ranch records to report <b>pesticide</b> data? .....	YES = 1	0108								
<b>SUPPLEMENTS USED</b>		<b>NUMBER</b>								
Record the total number of each type of supplement used to complete this interview. ....	<b>FERTILIZER APPLICATIONS</b>	0113								
	<b>PESTICIDE APPLICATIONS</b>	0114								
	<b>FIELD OPERATIONS</b>	0115								
<b>ENDING TIME [MILITARY]</b> .....		<b>MILITARY TIME</b> 0005								
<b>DATE:</b> .....		<b>MM DD YY</b> 0007								
<b>ENUMERATOR</b> _____		<b>ENUMERATOR ID</b> 0098								
		<b>EVALUATION</b> 0100								