



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

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

**AGRICULTURAL RESOURCE MANAGEMENT STUDY
UPLAND COTTON PRODUCTION
PRACTICES REPORT
for 2000**

Form Approved
O.M.B. Number 0535-0218
Approval Expires 10/31/03
Project Code 906
Phase II

VERSION 8	ID _____	TRACT 01	SUBTRACT _____	T-TYPE 0	TABLE 000	LINE 00
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DATE	TIME

CONTACT RECORD
NOTES

R CODES	
3 - COMPLETE	9910
5 - OUT OF SCOPE	
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 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] **H H M M**
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.]

OFFICE USE
Completion Code 0008
3 = ZERO TARGET

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

POID _ _ _ _ _	POID _ _ _ _ _
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER
POID _ _ _ _ _	POID _ _ _ _ _
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER

B FIELD CHARACTERISTICS---SELECTED FIELD

1. **How many acres of upland cotton did this operation plant for the 2000 crop year?**

[> *If no acres planted, review Screening Survey Information Form. Make notes, then go to item 4 of Conclusion.*]

TOTAL PLANTED ACRES

0019

3. I will follow a simple procedure to make a random selection from the upland cotton fields planted for the 2000 crop.

What is the TOTAL number of upland cotton fields that were planted on this operation?

TOTAL NUMBER OF FIELDS PLANTED

0020

[*If only 1 field, enter 1 and 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 make sure item 3 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

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.]

SELECTED FIELD NUMBER

0021

6. **The field selected is (field name/number/description).**

During this interview, the upland cotton questions will be about this selected upland cotton field.
[*Be sure the operator can identify the selected field.*]

**OFFICE USE
OY Field Substituted**

0022

ACRES

1. **How many acres of upland cotton did this operation plant in this field for the 2000 crop?**

1735

B FIELD CHARACTERISTICS---SELECTED FIELD

2. **Were the acres in this field--** . . .

1	owned by this operation?
2	rented for CASH?
3	SHARE rented?
4	used RENT-FREE?

CODE

1736

5. **What year did you start operating this field?**

YEAR

1737

a. Do you EXPECT to be operating this field for the next 5 years
(through the 2005 crop year)? **YES = 1**

CODE

1738

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

MM DD YY

1739

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

UNIT CODES for Seeding Rate
1=POUNDS
2=CWT.
4=BUSHEL
25=KERNELS/SEEDS

1741	1742
------	------

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

1	Purchased?
2	Homegrown or traded?
3	Both?

CODE

1743

19. **Which type of upland cotton seed type was used--**
[Show Seed Type Code List from Respondent Booklet, and choose one code.]

CODE

a. in this field in 2000?

1744

b. in this field in 1999?
[Leave blank if different commodity planted in 1999.]

1748

- | SEED TYPE - UPLAND COTTON | |
|----------------------------------|---|
| 1 | Genetically-modified herbicide resistant seed variety |
| 3 | Genetically-modified Bt variety for insect resistance |
| 4 | Stacked gene variety
(both genetically-modified insect and herbicide resistance) |
| 6 | Variety planted not described above |

20. [If item 19a is NOT equal 6, ask--]
Resistant seed varieties offer several benefits.

Did you choose the resistant seed variety used on this field primarily to--

- | | |
|---|---|
| 1 | Increase yields through improved pest (<i>weed or insect</i>) control? |
| 2 | Decrease pesticide input costs? |
| 3 | Decrease machinery costs? |
| 4 | Improve ability to use or ease of using reduced tillage or no-till systems? |
| 5 | Improve ability or ease or rotating crops? |
| 6 | Save management time or labor or improve ease of management? |
| 7 | Adopt more environmentally friendly practices? |
| 8 | For some other reason(s)? [<i>Specify _____</i>] |

CODE

1749

CODE

1750

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

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

1		2	
How many acres in the upland cotton field were (will be)--		What yield per acre did you get (do you expect to get) for lint?	
	ACRES	POUNDS PER ACRE	
a. harvested for lint?	1753 .____	1754 .____	
d. abandoned?	1756 .____		
e. used for some other purpose?	1757 .____		

CROP CODE LIST for item 26 PREVIOUSLY PLANTED CROP was--			
1 Alfalfa hay 11 Hay, all other 190 Barley 3 Dry Beans 85 Canola 310 Clover 6 Corn for grain 5 Corn for silage	196 Tobacco, flue cured 193 Tobacco, burley 281 Cotton, Upland 282 Cotton, Pima 302 CRP 311 Grasses other than clover 94 Mustard 15 Oats 31 Sweetpotatoes	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 No crop planted during this period

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

1 What crop was PLANTED on this field in--			2 Was this crop irrigated? YES = 1
	CROP NAME	CROP CODE	
a. FALL of 1999?		1759	1760
b. SPRING/SUMMER of 1999? ..		1761	1762
c. FALL of 1998?		1763	1764
d. SPRING/SUMMER of 1998? ..		1765	1766
e. FALL of 1997?		1767	1768
f. SPRING/SUMMER of 1997? ..		1769	1770

1	2 In what year were the (column 1) established in this field?	<i>[If (column 1) were established before operator began operating this field, enter code 1.]</i>	3 In 2000, did (or will) the Federal or State government pay an annual rental payment for keeping this conservation practice in place? [YES=1]
27. In 2000, did your land-use practices for this field include--	CODE	YEAR	
a. terraces?	1771	1772	1773
b. temporary or permanent levees? YES = 1	1774	1775	1776
c. grassed waterways?	1777	1778	1779
d. filter strips or riparian buffers on or adjoining the field?	1781	1782	1783
e. contour farming?	1785		
f. strip cropping?	1786		
g. underground outlets such as tile drainage?	1787		
h. other drainage channels or diversions?	1788		

CODE

1789

28. Has the Natural Resource Conservation Service (NRCS) classified any part of this field as "Highly Erodible"?

YES 1

B FIELD CHARACTERISTICS---SELECTED FIELD

B

29. Have you been notified by NRCS that this field contains a wetland? YES = 1

30. In 2000, did you receive technical assistance for planning, installing, maintaining, or using conservation practices or systems on this field?
(Include grassed waterways and filter strips or riparian buffers on or adjoining this field. Include assistance from any source whether paid for or free.) YES = 1

31. In 2000, did you (or will you) receive cost-sharing 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.]?
(Include payments received from any source by either the owner or operator. Exclude rental payments for keeping the land in these practices.) YES = 1

32. During 2000, did any formal plan of the following types cover this field and, if so, in what year was the plan implemented? <i>("Formal plan" is a written plan prepared in accordance with Federal, State, or Conservation district standards.)</i>	CODE	YEAR IMPLEMENTED
a. Conservation plan specifying practices to reduce soil erosion? . . . YES=1	1793	1794 ____ _
b. Comprehensive nutrient management plan specifying practices for applying both fertilizer and manure? YES=1	1795	1796 ____ _
c. Nutrient management plan specifying practices for land application of manure only? YES=1	1797	1798 ____ _
d. Pest management plan specifying pesticide use and/or other practices for controlling weeds, insects, or plant disease? . . . YES=1	1799	1800 ____ _
e. Irrigation water management plan specifying practices for applying or conserving irrigation water? YES=1	1801	1802 ____ _

33. Was the upland cotton crop on this field covered by Crop Insurance in 2000?

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

NO - [Go to Section C.]

If YES, which coverages did you obtain?
 [Enter code for all that apply.]

a. Basic catastrophic insurance (Federal CAT) bought for a flat fee and protects against crop loss greater than 50% of average yield, at 55% of the price. . . YES=1	1804
b. Buy-up insurance for higher levels of yield and price protection <i>(such as 65% of yield and 100% price).</i> YES=1	1805
c. Federal Revenue insurance include Income Protection (IF), Crop Revenue Coverage (CRC), and Revenue Assurance (RA). YES=1	1806
d. Other Federal Crop insurance <i>(Group Risk Plan, Adjusted Gross Revenue, Group Risk Income Protection, etc.)</i> YES=1	1807
e. Other Private Crop insurance <i>(Hail, wind, freeze, etc.)</i> YES=1	1808

NOTES and CALCULATIONS:

C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C

1. Were commercial FERTILIZERS applied to this field for the 2000 upland cotton crop? YES=1

CODE	EDIT TABLE
1809	0201

2. [If COMMERCIAL fertilizers were applied, continue, else go to item 7.]

3. How many trips were made across this field to apply commercial fertilizers for the 2000 crop (include applications made by airplanes and commercial applicators)?

NUMBER
1810

4. Now I need to record information for each application.

CHECK LIST								
INCLUDE	EXCLUDE							
<input type="checkbox"/> Custom applied fertilizers <input type="checkbox"/> Fertilizer applied in the fall of 1999 and those applied earlier if this field was fallow in 1999 <input type="checkbox"/> Commercially prepared manure	<input type="checkbox"/> Micronutrients <input type="checkbox"/> Unprocessed manure <input type="checkbox"/> Fertilizer applied to previous crops in this field							
		<table border="1" style="width: 100%;"> <tr> <th style="text-align: center;">T-TYPE</th> <th style="text-align: center;">TABLE</th> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">001</td> </tr> <tr> <td style="text-align: center;">LINE 99</td> <td style="text-align: center;">OFFICE USE LINES IN TABLE 0213</td> </tr> </table>	T-TYPE	TABLE	2	001	LINE 99	OFFICE USE LINES IN TABLE 0213
T-TYPE	TABLE							
2	001							
LINE 99	OFFICE USE LINES IN TABLE 0213							

LINE	2 → → → MATERIALS USED			3 What quantity was applied per acre? <small>[Leave this column blank if actual nutrients were reported.]</small>	4 [Enter material code.] 1 Pounds 12 Gallons 19 Pounds of actual nutrients	5 When was this applied? 1 In the fall Before seeding 2 In the spring Before seeding 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 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 . __
07	0205	0206	0207	0208	0209	0210	0211	0212 . __
08	0205	0206	0207	0208	0209	0210	0211	0212 . __

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

T-TYPE 0	TABLE 000	LINE 00
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UNIT CODES
1=POUNDS
2=CWT.
4=BUSHEL

7. What was your yield goal (or expected yield) for this field?

1812	UNITS PER ACRE	1813
	.	

CODE

8. Was a soil test for phosphorus performed on this upland cotton field in 1999 or 2000 for the 2000 crop?

YES = 1

1814

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

POUNDS PER ACRE

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

1815

CODE

9. Was a soil test for nitrogen performed on this upland cotton field in 1999 or 2000 for the 2000 crop?

YES = 1

1816

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

POUNDS PER ACRE

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

1817

10. [Enumerator Action: Refer to the Fertilizer Table, column 2. If nitrogen (N) was applied, complete items 11 and 12. If NO nitrogen applied, skip to item 13.]

11. Was the amount of nitrogen you decided to apply to this field based on--

CODE

- a. Routine practice (operator's own determination based on past experience, yield goal, etc.)?
- b. Results of a soil or plant tissue test?
- c. Crop consultant recommendation?
- d. Fertilizer dealer recommendation?
- e. Extension Service recommendation?
- f. Cost of nitrogen and/or expected commodity price?

1818
1819
1820
1821
1822
1823

12. 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

1824

13. Was a plant tissue test performed on this field in 1999 or 2000 for the 2000 upland cotton crop?

YES = 1

1825

C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C

	CODE	
15. Is lime ever applied to this field? YES = 1	1826	
a. [If no lime applied, go to item 16--else continue.]		
On average, how many years are there between applications of lime to this field?	YEARS 1827	
b. How many tons of lime were applied per acre the last time it was applied to this field?	TONS PER ACRE 1828	
16. Was sulfur applied to this field for the 2000 crop? YES = 1	CODE 1829	
a. [If sulfur applied, ask--]		
How many pounds of sulfur were applied per acre?	POUNDS PER ACRE 1830	
17. Was gypsum applied to this field for the 2000 crop? YES = 1	CODE 1831	
18. Were micronutrients applied to this field for the 2000 crop? YES = 1	CODE 1832	
a. [If micronutrients applied, ask--]		
Did the micronutrients include zinc ? YES = 1	CODE 1833	
19. Was manure applied to this field for the 2000 upland cotton crop? <i>(Exclude commercially prepared manure.)</i>	CODE 1834	
<input type="checkbox"/> YES - [Enter code 1 and continue.]		
<input type="checkbox"/> NO - [Go to Section D .]		
a. How many acres was manure applied to?	ACRES 1835	
b. What was the total amount of manure applied to this field?	TONS PER ACRE 1837	OR TOTAL TONS 1836
	OR GALLONS PER ACRE 1839	OR TOTAL GALLONS 1838
c. What is the hauling distance between the manure storage and the manured field?	MILES 1840	
d. How many trips did it take to complete the manure application to the entire field?	NUMBER 1841	
e. What was the percent of manure applied--?		
(1) in the fall before planting? +	PERCENT 1842	
(2) in the spring before planting? +	1843	
(3) after planting? +	1844	
	100%	

f. Was the manure--

1	Dry Broadcast <i>without</i> incorporation?
2	Dry Broadcast <i>with</i> incorporation?
3	Liquid Broadcast <i>without</i> incorporation?
4	Liquid Broadcast <i>with</i> incorporation?
5	Injected/knifed in?

.....

CODE	
1845	

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

1	Beef cattle?
2	Dairy cattle?
3	Hogs?
4	Sheep?
5	Poultry?
6	Equine?
7	Biosolids (<i>municipal sludge, food waste, etc.</i>)?
8	Other (<i>Specify _____</i>)?

.....

CODE	
1846	

h. Was the manure--

1	Produced on this operation?
2	Purchased?
3	Obtained at no cost off this operation?

.....

CODE	
1847	

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

1848

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

CODE	
(1) Nitrogen requirement of the crop? YES = 1	1849
(2) Phosphorus requirement of the crop? YES = 1	1850

D PESTICIDE APPLICATIONS---SELECTED FIELD

1. Including both custom applications and applications made by this operation, let's list all the chemicals used on this field for the 2000 upland cotton crop.

Were any herbicides, insecticides, fungicides or other chemicals used on the upland cotton field for the 2000 crop? YES = 1

CODE	EDIT TABLE
1851	0301

[Probe for applications made in the fall of 1999 (and those made earlier if this field was fallow).]

[If no pesticides applied, go to Section E.]

Include Boll Weevil eradication program applications.
Include defoliants, fungicides, herbicides, insecticides and pesticides.
Include biological and botanical pesticides.

Exclude fertilizers reported earlier and seed treatments.

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

NOTES	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 5 DEFOLIATION prior to harvest	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 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 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 treatment
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>[Show Target Pest codes from Respondent Booklet.]</small>	13 Prior to this application was this years pest problem-- 1 worse than normal? 3 normal? 5 less than normal? 7 unknown? 9 not applicable?	14 Were these applications made by-- 1 Operator, Partner, 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
12	0311	0312 • __	0313	0314	0315	0316
13	0311	0312 • __	0313	0314	0315	0316
14	0311	0312 • __	0313	0314	0315	0316

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

1. Now I have some questions about your pest management decisions and practices used on this field for the 2000 upland cotton crop. By pests, we mean WEEDS, INSECTS and DISEASES.

2. Let's begin with questions about scouting this field for pests.

<p>1</p> <p>Was this upland cotton field scouted for--</p>	<p>②</p> <p>[If YES, ask--]</p> <p>Who did the majority of the scouting for [column 1]--</p> <p>1 Operator, Partner or Family member? 2 an Employee? 3 Farm supply or Chemical dealer? 4 Independent Crop consultant or Commercial scout?</p> <p>CODE</p>
<p>YES=1</p>	
a. weeds?	1852
b. insects?	1854
c. diseases?	1856

5. [If field SCOUTED, ask--]

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

<p>CODE</p> <p>1857</p>

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

YES - [Continue.] NO - [Go to item 9.]

7. **Did you apply herbicides to this upland cotton field BEFORE weeds emerged?** YES = 1

CODE
1858

[If item 7 = YES, ask--]

Did you decide to apply herbicides BEFORE weeds emerged on this upland cotton field based on--

- a. a routine treatment for weed problems experienced in previous years? YES = 1

1859

- b. field mapping of previous weed problems? YES = 1

1860

- c. recommendations from a *chemical dealer*? YES = 1

1861

- d. recommendations from an *independent crop consultant*? YES = 1

1862

8. **Did you apply herbicides to this upland cotton field AFTER weeds emerged?** YES = 1

1863

[If item 8 = YES, ask--]

Did you decide to apply herbicides AFTER weeds emerged on the upland cotton field based on--

- a. a routine treatment? YES = 1

CODE
1864
- b. type and/or density of weed(s) present? YES = 1

1865

- c. recommendations from a *chemical dealer*? YES = 1

1866

- d. recommendations from an *independent crop consultant*? YES = 1

1867

9. [Enumerator Action: *Were INSECTICIDES used (pesticide product codes 1000-2000), in Section D, item 1 column 2?*]

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

10. **Did you decide to apply insecticides to this upland cotton field based on--**

- a. a preventative schedule? YES = 1

1868

- b. scouting data compared to University or Extension guidelines for infestation thresholds? YES = 1

1869

- c. standard practices or history of insect problems? YES = 1

1870

- d. local information (*from other farmers, radio, TV, newsletters, etc.*) that the pest was or was not present? YES = 1

1871

- e. your (the operator's) own determination of the infestation level? YES = 1

1872

OTHER PEST MANAGEMENT PRACTICES

		CODE
11.	Was protection of beneficial organisms a factor in your pest control decisions for this field? YES = 1	1873
12.	Did you apply or release any beneficial organisms to control pests in this field? . YES = 1	1874
13.	Did you use water management practices, such as controlled drainage or irrigation scheduling, to control pests in this field? [<i>Exclude chemigation.</i>] YES = 1	1875
14.	Did you use tilling, chopping, mowing, burning of field edges, lanes, ditches, roadways or fence lines to control pests in this field? YES = 1	1876
15.	Did you clean equipment and implements after completing field work to reduce the spread of pests from this field? YES = 1	1877
16.	Did you cultivate this field for weed control during the growing season? YES = 1	1878
a. [<i>If YES, ask--</i>]		
	How many times did you cultivate this field for weed control during the growing season?	NUMBER 1879
		CODE
17.	Did you consider pest resistance when selecting which variety to plant in this field? YES = 1	1880
18.	Did you treat the seed used in this field or purchase seed that was treated for disease control? YES = 1	1881
19.	Did you adjust planting or harvesting dates to control pests? YES = 1	1882
20.	Did you use soil analysis to detect the presence of soilborne pests or pathogens in this field? YES = 1	1883
21.	Did you alternate pesticides (<i>use pesticides with different mechanisms of action</i>) to keep pests from becoming resistant to pesticides in this field? YES = 1	1884
22.	Did you adjust row spacing or plant density to control pests in this field? YES = 1	1885
23.	Did you rotate crops on this field during the past 3 years to control pests? YES = 1	1886
25.	Did you use pheromones on the Upland Cotton field to--	
	a. monitor pests by trapping? YES = 1	1887
	b. control pests by disrupting mating? YES = 1	1888

28. Did you do any other type(s) of pest management to control pests in this field? YES = 1

a. [If YES, ask--]

What did you do? [List other activities.]

1890
1891
1892

PEST MANAGEMENT INFORMATION

29. [Show Pest Management Information Sources code List.]

What was your primary outside source of information on pest management recommendations for the 2000 upland cotton crop?

**PEST MANAGEMENT INFORMATION SOURCES
CODE LIST [Choose one.]**

- | | |
|---|--|
| 1 | Extension Advisor, Publications or Demonstrations
(County, Cooperative or University) |
| 2 | Farm Supply or Chemical Dealer |
| 3 | Commercial Scouting Service |
| 4 | Independent Crop Consultant or Pest Control Advisor |
| 5 | Other Growers or Producers |
| 6 | Producer Associations, Newsletters or Trade Magazines |
| 7 | Electronic Information Services
(DTN, Internet, World Wide Web, etc.) |
| 8 | Other - (Specify _____) |
| 9 | None - Operator used no outside information source. |

[Choose one source and enter code.]

.....

PEST MANAGEMENT TRAINING

30. Have you (the operator) attended any training session on pest identification and management since October 1, 1999? YES = 1

CODE

OFFICE USE

NOTES and CALCULATIONS:

6. Was a moldboard plow used to prepare this field for this cotton crop? YES = 1 CODE
 a. [If YES, ask--]

What month was the moldboard plow used for this cotton field?

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

8. Was there (will there be) a yield monitor on the equipment used to harvest this upland cotton field? YES = 1 CODE

a. [If YES, ask--]

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

(1) [If item 8a is YES, ask--]

Was a custom service/consultant hired for this activity? YES = 1

9. Regardless of when done, have the soil properties of this field been mapped (by grid or otherwise)? YES = 1
 [Mapped is intended to mean that a GPS unit was used to geo-reference the location of different soil properties.]

10. Was this field remotely sensed (by airplane or satellite) and an image produced either before or during the 2000 growing season? YES = 1

a. [If YES, ask--]

Was a custom service/consultant hired for this activity? YES = 1

11. Was variable rate technology (VRT) used for--
 a. fertilization or liming? YES = 1

(1) [If YES, ask--]

Was a custom service/consultant hired for this activity? YES = 1

b. seeding? YES = 1

(1) [If YES, ask--]

Was a custom service/consultant hired for this activity? YES = 1

c. pesticide applications? YES = 1

(1) [If YES, ask--]

Was a custom service/consultant hired for this activity? YES = 1

NOTES and CALCULATIONS:

1. How many acres in this field were irrigated for the 2000 upland cotton crop? **ACRES**

[If field irrigated, continue. If NOT irrigated, go to Section J.]

2. Now, I have some questions about the irrigation of this field for the 2000 upland cotton crop.

a. What type of irrigation system was used to irrigate this field? **SYSTEM TYPE CODE**
[Show System Type Codes. If more than 1 system used, enter System Type Code for system covering the most field acres.]

b. What was the total quantity of water applied to this field during the entire growing season? **INCHES PER ACRE** OR **TOTAL ACRE FEET**
[Include ALL water used from both on-farm and off-farm sources.]

[If operator cannot provide item 2b, ask--]

(1) What is the total number of hours that water was applied to this field during the growing season? **TOTAL HOURS**

(2) How many gallons per minute were applied? **GALLONS PER MINUTE**

c. What percent of ALL water used to irrigate this field came from surface water sources? **PERCENT**

d. What was the number of times this field was irrigated during the growing season? **NUMBER**

3. Was any water purchased to irrigate this field? **CODE**
(Include landlord's share and purchases from all sources.) YES = 1

a. *[If water purchased, ask--]*
 What percent of the water used on this field was purchased? **PERCENT**

9. Were wells used to supply irrigation water for this field? **CODE** YES = 1

11. Is the runoff from this field primarily-- **CODE**

RUNOFF CODES	
1	retained at the end of the field with no re-use?
2	re-used to irrigate on the farm?
3	collected in evaporation ponds on the farm?
4	drains from the farm?
5	there is no runoff?

NOTES and CALCULATIONS:

1. In 2000, was this operation's LEGAL STATUS--

- 1 Individual (Sole/family Proprietorship)?
- 2 A legal Partnership?
- 3 A Family-held Corporation?
- 4 A Non-family Corporation?
- 5 Other, Including estates, trusts and cooperatives?
(Describe _____)

CODE

0035

2. In 2000, what was your (the operator's) major occupation?

- 1 Farm or ranch work
- 2 Hired manager
- 3 Something else
- 4 Retired

CODE

0036

3. What is the highest level of formal education you (the operator) have completed?

- 1 Less than high school
- 2 High school diploma or equivalency (GED)
- 3 Some college
- 4 Completed 4 year degree (BA or BS)
- 5 Graduate school

CODE

0037

4. In what year did you (the operator) begin making day-to-day decisions for any farm/ranch?

YEAR

0038

5. Now I would like to classify the total acres operated in terms of total gross value of sales.

Considering--

- all crops sold,
- all livestock, poultry (including commercial broilers), and products (milk, eggs, etc.) sold,
- all sales of crops, livestock or poultry, produced under contract,
- all sales of any miscellaneous agricultural products,
- all government payments received,
- landlord's share of government payments and crops sold in 2000;

What code represents the total gross value of sales you expect for this operation in 2000?

- 1 Less than \$1,000
- 2 \$ 1,000 -- \$ 2,499
- 3 \$ 2,500 -- \$ 4,999
- 4 \$ 5,000 -- \$ 9,999
- 5 \$ 10,000 -- \$ 19,999
- 6 \$ 20,000 -- \$ 24,999
- 7 \$ 25,000 -- \$ 39,999
- 8 \$ 40,000 -- \$ 49,999
- 9 \$ 50,000 -- \$ 99,999
- 10 \$ 100,000 -- \$ 249,999
- 11 \$ 250,000 -- \$ 499,999
- 12 \$ 500,000 -- \$ 999,999
- 13 \$ 1,000,000 and over

CODE

0039

6. Of the farm income reported, which of these categories represents the largest portion of the gross income from the operation?

CODE

0040

FARM TYPE CODES

1 GRAINS and OILSEEDS	8 BEEF CATTLE
2 TOBACCO	9 DAIRY
3 COTTON	10 HOGS
4 VEGETABLES and MELONS	11 SHEEP, GOATS, WOOL and MOHAIR
5 FRUIT TREE, NUTS and BERRIES	12 EQUINE
6 NURSERY, GREENHOUSE and FLORICULTURE	13 POULTRY and EGGS
7 OTHER CROPS	14 AQUACULTURE
	15 OTHER ANIMALS

LOCATION OF SELECTED FIELD

CONCLUSION

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

What county is the selected upland cotton field in?

Field description

COUNTY NAME

OFFICE USE
COUNTY FIPS CODE

	0010

2. [ENUMERATOR ACTION:

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

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/>) YES = 1

CODE

0099

RECORDS USE

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

CODE

- a. [fertilizer data?] YES = 1
- b. [pesticide data?] YES = 1

0011
0012

SUPPLEMENTS USED

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

FERTILIZER APPLICATIONS
PESTICIDE APPLICATIONS
FIELD OPERATIONS

NUMBER

0041
0042
0043

RESPONDENT

Respondent's name

Phone ()

- | | |
|---|--------------------------|
| 1 | OPERATOR/MANAGER/PARTNER |
| 2 | SPOUSE |
| 3 | ACCOUNTANT/BOOKKEEPER |
| 4 | OTHER |

CODE

0101

ENDING TIME [MILITARY]

DATE:

ENUMERATOR NAME

MILITARY TIME
H M M

0005

MM DD YY

0007
__ __ 00

ENUMERATOR ID

0098

EVALUATION

0100
