



**NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE**

U.S. Department of Agriculture  
Rm 5805, South Building  
1400 Independence Avenue, S.W.  
Washington, D.C. 20250-2000  
202-720-7017

# AGRICULTURAL RESOURCE MANAGEMENT STUDY SOYBEAN PRODUCTION PRACTICES and COSTS 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
02					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 and costs to produce soybeans and need your help to make the information as accurate as possible. Authority for collection of information on the Soybean 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.

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

Partners'  
Stratum 182

# A A SOYBEAN FIELD SELECTION

1. How many acres of soybeans did this operation **plant** in 1997?  
*[If no acres planted, review information on Phase I Information Form.  
 Make notes, then go to item 2 of Conclusion, back page.]* .....

<b>TOTAL PLANTED ACRES</b>	
0117	.

2. How many of the *[item 1]* soybean acres were--

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

b. rented for CASH? .....

c. SHARE rented? .....

d. used RENT-FREE? .....

<b>ACRES</b>	
0118	.
0119	.
0120	.
0121	.

*[Total must equal item 1.]*

3. I will follow a simple procedure to make a random selection from the soybean fields planted for the 1997 crop.

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

<b>NUMBER</b>
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 _____

<b>OFFICE USE</b>
0124



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

**B**

<p>1. How many acres of soybeans did this operation plant in the selected field in 1997? .....</p>	<p><b>ACRES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1161</td> <td style="text-align: right;">. ____</td> </tr> </table>	1161	. ____						
1161	. ____								
<p>2. How many acres in this field were--</p> <p>a. owned by this operation? .....</p> <p>b. rented for <b>CASH</b>? .....</p> <p>c. <b>SHARE</b> rented? .....</p> <p>d. used <b>RENT-FREE</b>? .....</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1162</td> <td style="text-align: right;">. ____</td> </tr> <tr> <td style="text-align: center;">1163</td> <td style="text-align: right;">. ____</td> </tr> <tr> <td style="text-align: center;">1164</td> <td style="text-align: right;">. ____</td> </tr> <tr> <td style="text-align: center;">1165</td> <td style="text-align: right;">. ____</td> </tr> </table>	1162	. ____	1163	. ____	1164	. ____	1165	. ____
1162	. ____								
1163	. ____								
1164	. ____								
1165	. ____								
<p>3. [If field is <i>CASH RENTED</i>, ask--] What was the cash rent paid per acre? .....</p>	<p><b>DOLLARS &amp; CENTS PER ACRE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">0133</td> <td style="text-align: right;">. ____</td> </tr> </table>	0133	. ____						
0133	. ____								
<p>4. [If field is <i>SHARE RENTED</i>, ask--] What was the landlord's share of the crop from this field? .....</p>	<p><b>PERCENT</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">0134</td> <td style="text-align: right;">. ____</td> </tr> </table>	0134	. ____						
0134	. ____								
<p>6. What average yield per acre do you normally EXPECT from this field? .....</p>	<p><b>BUSHEL PER ACRE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">0136</td> <td style="text-align: right;">. ____</td> </tr> </table>	0136	. ____						
0136	. ____								
<p>7. When you made your planting decisions for this field, what market price per bushel did you use in your planning (<i>budget</i>) for the 1997 soybean crop? .....</p>	<p><b>DOLLARS &amp; CENTS PER BUSHEL</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">0137</td> <td style="text-align: right;">. ____</td> </tr> </table>	0137	. ____						
0137	. ____								
<p>8. Was a no-till system used to prepare and plant this soybean field?</p> <p><input type="checkbox"/> <b>YES</b> - [Enter code 1 and continue.]      <input type="checkbox"/> <b>NO</b> - [Go to item 9.] .....</p>	<p><b>CODE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1166</td> <td style="text-align: right;">. ____</td> </tr> </table>	1166	. ____						
1166	. ____								
<p>a. How many consecutive years has no-till been used on this field (<i>regardless of which crop was planted or grown</i>)? [Enter 1 if current year only.] .....</p>	<p><b>YEARS</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1167</td> <td style="text-align: right;">. ____</td> </tr> </table>	1167	. ____						
1167	. ____								
<p>9. On what date was this field planted? .....</p>	<p><b>MM DD YY</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1168</td> <td style="text-align: right;">. ____</td> </tr> </table>	1168	. ____						
1168	. ____								
<p>10. What was the seeding rate per acre the first time this field was seeded? .....</p> <p>a. Was the soybean seed--</p>	<p style="text-align: center;"><b>UNIT CODE</b> 1=POUNDS 2=CWT. 4=BUSHEL 25=KERNELS/SEEDS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"><b>UNITS PER ACRE</b></td> <td style="text-align: center;"><b>UNIT CODE</b></td> </tr> <tr> <td style="text-align: center;">1169</td> <td style="text-align: center;">1170</td> </tr> <tr> <td style="text-align: right;">. ____</td> <td style="text-align: right;">. ____</td> </tr> </table>	<b>UNITS PER ACRE</b>	<b>UNIT CODE</b>	1169	1170	. ____	. ____		
<b>UNITS PER ACRE</b>	<b>UNIT CODE</b>								
1169	1170								
. ____	. ____								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"> <p><b>1 DRILLED</b></p> <p><b>2 PLANTED IN CONVENTIONAL ROWS</b></p> <p><b>3 BROADCAST on this FIELD?</b></p> </td> </tr> </table>	<p><b>1 DRILLED</b></p> <p><b>2 PLANTED IN CONVENTIONAL ROWS</b></p> <p><b>3 BROADCAST on this FIELD?</b></p>	<p><b>CODE</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1171</td> <td style="text-align: right;">. ____</td> </tr> </table>	1171	. ____					
<p><b>1 DRILLED</b></p> <p><b>2 PLANTED IN CONVENTIONAL ROWS</b></p> <p><b>3 BROADCAST on this FIELD?</b></p>									
1171	. ____								
<p>b. [If <i>DRILLED</i> or <i>PLANTED</i>, ask--] What was the row width in inches? .....</p>	<p><b>INCHES</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1172</td> <td style="text-align: right;">. ____</td> </tr> </table>	1172	. ____						
1172	. ____								

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

**B**

11. How many acres in this field had to be reseeded to soybeans?  
 (Number of acres X the number of times reseeded.) ..... ACRES  
0142

12. Was the source of the soybean seed--

1 PURCHASED
2 HOMEGROWN OR TRADED
3 BOTH

..... CODE  
1173

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

13. How much of the soybean seed planted in this field was grown (or received in trade) by this operation? ..... PERCENT OR TOTAL BUSHELS  
1174 1175

14. What was the cost per bushel for treating this seed? ..... DOLLARS & CENTS PER BUSHEL  
0143

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 soybean seed used--**  
 [Use Seed Variety Code List.]

<p><b>1 herbicide (Roundup) resistant varieties--</b>                  (Monsanto Roundup Ready Soybeans, such as                  Asgrow AG2701, AG2901, AG3001, AG3301,                  AG3601, AG3701, AG4401, AG4501, AG4601,                  AG4701, AG5601, AG5801, AG5901, AG6101</p> <p>GrowMark HiSoy RT316, RT386, RT446</p> <p>Hartz H5088RR, H5164RR, H5566RR, H6686RR,                  H750RR</p> <p>Midwest Seed Co. G2707RR, G2805RR, G3608RR,                  G3909RR</p> <p>Pioneer 9294, 9333, 9344, 9363, 9396 or other)</p>	<p>a. in this field in 1997? ..... <span style="float: right;">CODE</span>  <span style="float: right; border: 1px solid black; padding: 2px;">1176</span></p> <p>b. in this field in 1996? ..... <span style="float: right;">CODE</span>  <span style="float: right; border: 1px solid black; padding: 2px;">1177</span></p>
<p><b>5 none of these?</b></p>	

16. [If used HERBICIDE RESISTANT seed, ask--]

Herbicide resistant seed varieties may offer several benefits.  
 Did you use these seeds primarily to--

<p><b>1 Increase yields through improved pest (weeds, insects or diseases) control,</b></p> <p><b>2 Decrease pesticide input costs,</b></p> <p><b>3 Increase planting flexibility, (for example, easier to rotate crops, reduce carryover, use reduced tillage or no-till systems, etc.)</b></p> <p><b>4 Adopt more environmentally friendly practices</b></p> <p><b>5 For some other reason(s)?</b></p>	<p style="text-align: right;">..... <span style="float: right;">CODE</span>  <span style="float: right; border: 1px solid black; padding: 2px;">0144</span></p>
--	---

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

**B**

<b>DOLLARS &amp; CENTS PER UNIT</b>	<b>UNIT CODE</b> 1=POUNDS 2=CWT 4=BUSHEL 23=50 POUND BAG
0145      . _____	0146

17. Including the landlord's cost, what was the cost per unit of the **purchased** seed for this field? .....

a. *[If herbicide resistant soybean seed used, ask--]*  
What was the up-front technology fee per acre? .....

<b>DOLLARS &amp; CENTS PER ACRE</b>
0147      . _____

b. *[If RENTED, ask--]* What was the landlord's cost for this technology fee? .....

<b>DOLLARS &amp; CENTS PER ACRE</b>
0148      . _____

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

<b>CODE</b>
1178

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

1	2 How many acres in the soybean field were (will be) harvested for-- [column 1] ACRES	3 What yield per acre did you get (do you expect to get) for-- UNITS PER ACRE	4 UNIT CODE 1=POUNDS 2=CWT 3=TONS 4=BUSHELS 5=BARRELS
a. beans?	0024      . _____	0025      . _____	0026
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	201 Cotton, Upland	16 Peanuts	26 Soybeans
190 Barley	202 Cotton, Pima	17 Dry Peas	28 Sugarbeets
3 Dry Beans	302 CRP	20 Potatoes	30 Sunflowers
85 Canola	311 Grasses other than clover	21 Rice	142 Vegetables
310 Clover	11 Hay, all other	22 Rye	163 Wheat, durum
6 Corn for grain	94 Mustard	98 Safflower	164 Wheat, other spring
5 Corn for silage	15 Oats	25 Sorghum for grain	165 Wheat, winter
		24 Sorghum for silage	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?
	NAME	CODE	YES=1
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.? .....

CODE
1179

YES = 1

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

1180
1181
1182
1183
1184
1185
1186

a. terraces? .....

b. contour farming? .....

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

d. grassed waterways? .....

e. strip cropping? .....

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

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

YES = 1

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

1187
------

YES = 1

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

1188
------

YES = 1

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

1. What commercial FERTILIZERS were applied to this field for the 1997 soybean crop?  
 [If none, go to item 5.]

EDIT TABLE

0201

TTYTYPE

TABLE

2

001

**CHECK LIST**

**Include**

**Exclude**

Custom Applied Fertilizers

Micronutrients

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

Manure

99

OFFICE USE  
LINES IN TABLE

0213

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 Pofash					
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

2. Excluding the cost of fertilizer materials, how much was spent for CUSTOM APPLICATION of fertilizers on this field for the 1997 soybean crop?

*(Include landlord costs.*

*Exclude custom application of lime, gypsum and purchased manure.)*

*[If material and application costs can't be separated,*

*exclude them here and record the total in item 3.]* . . . . .

DOLLARS & CENTS  
PER ACRE

OR

TOTAL DOLLARS

0214 . \_\_\_\_

0215

3. What was the TOTAL MATERIALS cost for all fertilizer, soil conditioners, micronutrients, etc. applied to this field for the 1997 soybean crop?

*(Include landlord costs.*

*Exclude lime, gypsum and 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 1996.)* . . . . .

DOLLARS & CENTS  
PER ACRE

OR

TOTAL DOLLARS

0216 . \_\_\_\_

0217



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

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

5. Were fertilizers applied to the previous crop on this field with the intention of having the 1997 soybean crop utilize the carryover? ..... YES = 1
- CODE  
1191
6. Was a--
- a. **soil test** performed on this field in 1996 or 1997 for the 1997 soybean crop? ..... YES = 1
- CODE  
1192
- b. **plant tissue test** (performed on this field in 1996 or 1997 for the 1997 soybean crop)? ..... YES = 1
- CODE  
1193
- c. [If either items 6a or 6b is **YES=1**, continue. Else go to item 9.]  
What was the total amount spent for these soil or plant tissue tests on this field? [Include landlord's costs.]  
[Note: If tests are done but no cost, explain: \_\_\_\_\_] .....
- TOTAL DOLLARS  
0218
- OFFICE USE  
0299
9. Is **lime** ever applied to this field?
- YES** - [Enter code 1 and continue.]       **NO** - [Go to item 10.] .....
- CODE  
1199
- a. On average, how many years are there between applications of **lime** to this field? .....
- YEARS  
1200
- b. How many tons of **lime** were applied per acre the last time it was applied to this field? .....
- TONS PER ACRE  
1201 . \_\_\_\_
- c. [If field was **RENTED**, ask--]  
What percent of the total cost of **lime** and it's application was paid by the landlord? .....
- PERCENT  
0220

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

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

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

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

**CODE**

1202
------

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

**ACRES**

1203
------

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

**TOTAL TONS**

1204
------

**OR TOTAL GALLONS**

1205
------

c. Was the manure--

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

**CODE**

1206
------

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

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

1207
------

e. Was the manure--

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

1208
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**NOTES and CALCULATIONS:**

**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 soybean crop.

Were any herbicides, insecticides, fungicides or other chemicals used on the this field for the 1997 soybean 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

- Defoliant
- Herbicides
- All other pesticides

- Fungicides
- Insecticides

Exclude

- Fertilizers reported earlier
- Seed Treatments

T-TYPE

**3**      **001**

TABLE

**99**      **OFFICE USE LINES IN TABLE**      0319

NOTES	LINE	2 What products were applied to this field? [Use product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D.]	4 Was this part of a tank mix? [If tank mix, enter line number of first product in tank mix.]	5 When was this applied? 1 BEFORE PLANTING 3 AT PLANTING 4 AFTER PLANTING	6 OR 7		8 [Enter unit code.] 1 POUNDS 12 GALLONS 13 QUARTS 14 PINTS 15 OUNCES 30 GRAMS
						How much was applied per acre per application ?	What was the total amount applied per application in this	
	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 (Aerial application)	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 ③ below)  
cannot be provided.]



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? <b>ACRES</b>	11 What was the number of times applied? <b>NUMBER</b>	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?	OPTIONAL ITEM ③ What was the cost per unit of the product?	
							DOLLARS & CENTS PER UNIT	UNIT CODE 1 POUNDS 12 GALLONS 13 QUARTS 14 PINTS 15 OUNCES 30 GRAMS
01	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
02	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
03	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
04	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
05	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
06	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
07	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
08	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
09	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
10	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
11	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318

2. [If no CUSTOM pesticide applications, go to item ③.]

Excluding the cost of chemicals, how much was spent for CUSTOM APPLICATION of chemicals and pesticides on this field?  
*(Include landlord cost.) [If material and application costs can't be separated, exclude them here and record the total in item ③] . . . . .*

T-TYPE <b>0</b>	TABLE <b>000</b>	LINE <b>00</b>
--------------------	---------------------	-------------------

DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS

0320 .__	0321
----------	------

③ What was the TOTAL cost of all herbicides, insecticides, fungicides and other chemicals applied to this field?  
*(Include landlord cost. Include surfactants, wetting agents, defoliants, growth regulators and materials applied to this field before planting and during 1996 fallow period. Exclude seed treatments.) [If custom applied, include the costs of materials ONLY, unless material and application costs can't be separated. If this item cannot be provided, obtain cost per unit of each product in OPTIONAL COLUMN of Pesticide Table in item 1.] . . . . .*

DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS

0322 .__	0323
----------	------

**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 soybean crop. **By pests, we mean WEEDS, INSECTS and DISEASES.**
- Let's begin with questions about scouting this field for pests.

1	2 Was the soybean 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 column ③ = 4, ask--; else go to item 4.]

How much did you pay for the scouting services for this field?

[Include landlord cost.]

[Note: If scouting performed but no cost, explain: \_\_\_\_\_]

DOLLARS AND CENTS PER ACRE

0336	.	__
------	---	----

OR TOTAL DOLLARS

0337
------

OFFICE USE

0338
------

PERCENT

0339
------

a. What percent of this cost was for insect scouting? .....

- [If column ③ = 1 or 2, ask--]

How many hours did [operator, partner, family member, employee] spend scouting this field for pests? .....

HOURS

0340
------

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

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

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

CODE

1213
------

- [If YES, ask--]

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

ENTER TARGET PEST CODES

1214	1215	1216	1217
------	------	------	------

**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 11.]

7. Did you apply herbicides to the soybean field BEFORE weeds emerged?  
 YES - [Enter code 1 and continue.]       NO - [Go to item 9.] ..... 

CODE
1218

8. Did you decide to use **pre-emergence** herbicides based on--  
 a. a routine treatment for weed problems experienced in previous years? ..... YES = 1 

1219
------

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

1220
------

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

1221
------

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

1222
------

9. Did you apply herbicides to this field AFTER weeds emerged?  
 YES - [Enter code 1 and continue.]       NO - [Go to item 11.] ..... 

1223
------

10. Did you decide to use **post-emergence** herbicides based on--  
 a. a routine treatment? ..... YES = 1 

1224
------

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

1225
------

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

1226
------

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

1227
------

11. Were any weeds on this soybean field resistant to Classic, Pinnacle, Pursuit, Scepter or other **ALS** family herbicides? ..... YES = 1 

1228
------

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 soybean field based on--  
 a. a preventive schedule? ..... YES = 1 

1229
------

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

1231
------

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

1232
------

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

1233
------

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

1234
------

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

14. Was this soybean field cultivated **for weed control** during the growing season? . . . . YES = 1 CODE  
1235

15.

1	2 →  YES=1	3 [If YES = 1 in column 2, ask--] <b>Was your main reason for doing this to control--</b>  1 WEEDS 2 INSECTS 3 BOTH  CODE
Were (was)--		
a. planting or harvesting dates adjusted on this field to reduce (or control) pests? . . . . .	1236	1237
b. pesticides alternated from year to year on this field to control pests? (Use pesticides from different families.) . . . . .	1238	1239
c. row spacing or plant density adjusted on this field to control pests? . . . . .	1240	1241
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? . . . . .	1242	1243
e. cleaning the harvesting and tillage implements from this field done to reduce the spread of pests? . . . . .	1244	1245
f. crops on this field rotated during the past 3 years to control pests? . . . . .	1246	1247

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? . . . . . YES = 1	1251
b. beneficial insects considered in selecting and using pesticides on this field? . . . . . YES = 1	1252
c. weeds removed in infested areas in this field to prevent insect egg laying? . . . YES = 1	1253
d. seed treatments used for seedling blight control? . . . . . YES = 1	1254
e. diseased plants from this field sent to a lab for diagnosis? . . . . . YES = 1	1255

17. Were --

a. beneficial insects purchased and released in this soybean field? . . . . . YES = 1	1256
---	------

18. (Biological pest controls **include** beneficial insects, floral lures, attractants or repellants applied to the field, pheromones and pheromone traps.)

**What were the TOTAL materials and application costs for all biological pest controls for this field? . . . . .**

DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
0341	• ____	0342



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

19. What was your primary outside source of information on pest management recommendations for the 1997 soybean 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.]

1259

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, LABOR and CUSTOM SERVICES---SELECTED FIELD F**

1. Now I need to list all tractors used to produce soybean on **this selected field**.

CHECK LIST	
Include	Exclude
<input type="checkbox"/> Tractors owned, rented, leased or borrowed	<input type="checkbox"/> Tractors provided by custom operators
<input type="checkbox"/> Tractors used to haul soybeans out of the field to the point of first sale or storage	

1	2 What tractors were used on THIS FIELD?  MAKE and MODEL	3 What was the model year?  [Enter last 2 digits.]	4 Is this tractor--  2 2-wheel drive? 3 2-wheel drive with front wheel assist? 4 4-wheel drive? 5 crawler? 6 other?	5 What is its PTO horsepower?  PTO HORSEPOWER	6 Is it--  1 diesel? 2 gasoline? 3 LP gas 9 other?
1		0343 __ __	0344	0345	0346
2		0347 __ __	0348	0349	0350
3		0351 __ __	0352	0353	0354
4		0355 __ __	0356	0357	0358
5		0359 __ __	0360	0361	0362
6		0363 __ __	0364	0365	0366
7		0367 __ __	0368	0369	0370
8		0371 __ __	0372	0373	0374
9		0375 __ __	0376	0377	0378
10		0379 __ __	0380	0381	0382
11		0383 __ __	0384	0385	0386
12		0387 __ __	0388	0389	0390
13		0391 __ __	0392	0393	0394

**F FIELD OPERATIONS, LABOR and CUSTOM SERVICES---SELECTED FIELD F**

**2. Including custom operations, I need to list field work performed by machines on this field for the 1997 soybean crop. Please...**

- ▶ Begin with the first field operation after harvest of the previous crop,
- ▶ List the operations in order through harvest of this crop, 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? --[Go to Column 11.]

**CHECK LIST**

**Include** all field work using machines for--

- Land Forming
- Tillage
- Preparing for Irrigation
- Planting
- Applying Fertilizers & Pesticides
- Harvesting & Hauling using carts, trailers or wagons

**Exclude**

- Lime & Gypsum applications

2 S E Q U E N C E  No.	3 What operation or equipment was used?	4 [Record machine code from Responden t Booklet.]  CODE	5 Who was the machine operator--  [Enter code from above.]  CODE	[If CUSTOM (column 5 = code 6), skip columns 6-10.]					11 In what month was this operation done?  MMYY
				6 What was the size or swath of the [machine] used?	7 [Record size code.] 1 Feet 2 Row 3 Moldboard (bottoms) Hauling 4 Pounds 5 Bushels 6 Tons  CODE	8 Which tractor was used? [Record line number from item 1.] 66 Animal Drawn 77 Pick-Up 88 Other Trucks 99 Self-Propelled  CODE	9 How many acres were covered? 1/  ACRES	10 How many acres were covered per hour?  ACRES PER HOUR	
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
0531		0532	0533	0534	0535	0536	0537	0538	0539
0541		0542	0543	0544	0545	0546	0547	0548	0549
0551		0552	0553	0554	0555	0556	0557	0558	0559
0561		0562	0563	0564	0565	0566	0567	0568	0569
0571		0572	0573	0574	0575	0576	0577	0578	0579

1/ For backhoes, disk border maker, ditch closer, ditcher, levee-plow disk, quarter drain machine, rear mounted blade and hauling operations, enter total HOURS, not acres. Then leave column 10 blank.

**OFFICE USE**  
0015

**F FIELD OPERATIONS, LABOR and CUSTOM SERVICES---SELECTED FIELD F**

7. I need some additional information about the labor used on this field.  
Please list all workers, paid and unpaid, that worked on this field to produce the 1997 soybean crop.

**Include** ▶ workers who worked on the field during the Fall of 1996 and earlier if field was left fallow during 1996.

**Exclude** ▶ contract and custom workers.

[ENUMERATOR INSTRUCTIONS: You may list individuals or groups of workers. If workers are grouped, indicate type and number.]

1 LIST WORKERS [Exclude contract and custom workers.]	2 [Enter number of workers.] NUMBER	3 Was (worker)-- 1 PAID 2 UNPAID CODE	[If PAID, ask--]		[If PAID or UNPAID, ask--]
			4 Was (worker)-- 1 FULL TIME 2 PART TIME 3 SEASONAL CODE	5 What was the average hourly cash wage rate paid (per person) for ALL of (worker's) work on this field? DOLLARS & CENTS PER HOUR	6 Other than the hours just reported operating machines, what were the total hours (worker) worked on activities for this field? (Include time spent loading materials into equipment, scouting, irrigating, hauling with trucks, burning, drying and management activities.) TOTAL HOURS
<input type="checkbox"/> You (the operator)					0790
<input type="checkbox"/> Partners	0791				0792
<input type="checkbox"/> Spouse		0794	0795	0796	0797
	0798	0799	0800	0801	0802
	0803	0804	0805	0806	0807
	0808	0809	0810	0811	0812
	0813	0814	0815	0816	0817
	0818	0819	0820	0821	0822
	0823	0824	0825	0826	0827
	0828	0829	0830	0831	0832
	0833	0834	0835	0836	0837
	0838	0839	0840	0841	0842
	0843	0844	0845	0846	0847
	0848	0849	0850	0851	0852
	0853	0854	0855	0856	0857

**F FIELD OPERATIONS, LABOR and CUSTOM SERVICES---SELECTED FIELD F**

8. [If UNPAID labor was reported in (item 7 of column 3), ask--]  
**What percent of the total hours worked on this field by UNPAID workers were worked by children under 16 years old?** ..... PERCENT  
0863

9. Now I need some information on how much was spent for custom and technical services used on this field for the 1997 soybean crop.

1 CUSTOM or TECHNICAL SERVICE  Which of the services were done for the 1997 soybean crop on this field?  <i>[Check the box for each service performed; refer to item F2 if necessary.]</i>	2 Including landlord's cost, how much was spent for [column 1] on this field for the 1997 soybean crop?  DOLLARS & CENTS PER ACRE
<input type="checkbox"/> a. custom land preparation, shaping and/or leveling? .....	0864 . ___
<input type="checkbox"/> b. custom cultivating? .....	0865 . ___
<input type="checkbox"/> c. custom planting and/or reseeding?	0866 . ___
<input type="checkbox"/> d. custom harvesting and hauling of crop from field to storage or point of first market? .....	0867 . ___
<input type="checkbox"/> e. other custom and/or technical services? (specify _____) ( <b>Exclude</b> custom fertilizer and chemical applications and custom crop drying.) .....	0868 . ___

10. Was there (will there be) a yield monitor on the equipment used to harvest this soybean field? ..... CODE  
1260 YES = 1

a. [If YES, ask--] Was (will there be) a yield map produced from this harvest using information from the yield monitor? ..... CODE  
1261 YES = 1

**Optional use for Item 9:**  
 Use this table to help calculate dollars and cents per acre when services are not charged on a per acre amount.

(1) custom or technical service provided	(2) dollars and cents charged for service	(3) Charge: per what unit? (Bushels, bales, miles, hours, entire field, samples, points etc.)	(4) number of [col 3] covered by the service?	(5) total acres service provided for in this field?	(6) dollars & cents per acre [Enter in item 9, column 2.] (col 2 x col 4 ÷ col 5)
	. ___				. ___
	. ___				. ___
	. ___				. ___
	. ___				. ___

**G IRRIGATION---SELECTED FIELD**

**G**

ACRES

1. How many acres in this field were irrigated for the 1997 soybean crop?  
 [If none, go to Section H.] ..... 1262

2. Now, I have some questions about irrigation systems and water used on this field for the 1997 soybean crop.

↓	UNIT	SYSTEM 1	SYSTEM 2
a. What type(s) of irrigation system(s) were 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 up to two systems covering the most field acres.] .....	<b>SYSTEM TYPE CODE</b>	0872	0884
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? [Include ALL water used from both on-farm and off-farm sources.] .....	<b>INCHES PER ACRE</b>	0873	0885
c. [If operator cannot provide item 2b, ask--] What is the <b>total</b> number of <b>hours</b> this system was used to apply water to this field during the soybean growing season? .....	<b>TOTAL HOURS</b>	0874	0886
d. What percent of the water used to irrigate this field through this system came from surface water sources? .....	<b>PERCENT</b>	0875	0887
e. What was the number of times this field was irrigated during the soybean growing season using this system? [Include any pre-plant irrigation.] .....	<b>NUMBER OF IRRIGATIONS</b>	0876	0888
f. Was the pump type-- [Enter code for most common pump type.] (If more than one pump in the system, enter type for pump closest to water source.)	<b>CODE</b>	0877	0889
	1 TURBINE? 2 SUBMERSIBLE? 3 CENTRIFUGAL? 4 BOOSTER? 5 SIPHON? 99 NO PUMP? [If code 99, go to item k.]		
g. What was the average pumping rate? .....	<b>GALLONS PER MINUTE</b>	0878	0890
h. [If item 2a is code 1-9 (PRESSURE SYSTEM), ask--] What was the system operating pressure? .....	<b>POUNDS PER SQUARE INCH</b>	0879	0891
i. What was the motor type?	<b>CODE</b>	0880	0892
	1 DIESEL 2 GASOLINE 3 LP GAS 4 NATURAL GAS 5 ELECTRICITY 6 SOLAR POWER		
j. What was the average motor size? .....	<b>HORSE-POWER</b>	0881	0893
k. [If NO PUMP was used, ask-- (item f is code 99); What was the average flow rate? .....	<b>GALLONS PER MINUTE</b>	0882	0894
l. How many <b>other</b> acres on this operation were irrigated using this field's irrigation system during the 1997 growing season? [Exclude this field.] .....	<b>ACRES</b>	0883	0895

**G** **IRRIGATION---SELECTED FIELD**

**G**

3. 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 4.] .....

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

b. What was the total cost for the water purchased for this field during the 1997 growing season?  
*[Include landlord's cost.]* .....

4. *[If SIPHON TUBES were used (line a of item 2 is 10 or 11), ask--]*  
 What would be the total cost to replace all the siphon tubes used on this field? .....

5. *[If POLY PIPE system was used (line a of item 2 is 14), ask--]*  
 What was the total amount spent for poly pipe used on this field during the 1997 growing season? .....

6. *[If GATED PIPE system was used (line a of item 2 is 15 or 16), ask--]*

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

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

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

**YES** - [Enter code 1 and continue.]       **NO** - [Go to item 8.] .....

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

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

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.]* .....

d. How many other acres on this operation were irrigated using the same wells during the 1997 growing season? .....

	<b>CODE</b>
	1269
	<b>PERCENT</b>
	1270
	<b>DOLLARS</b>
	0898
	0899
	0900
	<b>INCHES</b>
	0901
	<b>FEET</b>
	0902
	<b>CODE</b>
	1271
	<b>NUMBER</b>
	0903
	<b>INCHES</b>
	0904
	<b>FEET</b>
	0905
	<b>ACRES</b>
	0906

**G** **IRRIGATION---**SELECTED FIELD

**G**

8. 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 9.]

a. What was the most common type of additional pipe used? .....

PIPE TYPE CODES	
1	Aluminum - ( <i>Non-hi-pressure</i> )
2	Aluminum - ( <i>Hi-pressure</i> )
3	Steel
4	Plastic
5	Other ( <i>Specify: _____</i> )

**CODE**

0915
------

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

**INCHES**

0916
------

c. How many feet of this additional pipe were used to irrigate this field? .....

**FEET**

0917
------

9. Is the run off from this field-- .....

RUN-OFF CODES	
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	or is there no run off?

**CODE**

0918
------



**H** **DRYING--SELECTED FIELD**

**H**

1. Was (or will) **most** of the soybean crop from this field--  
(**Include** landlords share.)

- 1 **Custom dried** - *Continue.*
- 2 **Dried other than custom dried** - *go to item 3.*
- 3 **Not dried** - *Go to Section I.*

**CODE**

0929

2. [*If* **CUSTOM DRIED** (*item 1 is code 1*), *ask--*]  
What was (will be) the cost of custom drying the soybeans  
from this field?  
[*If no cost, explain* \_\_\_\_\_]

**CENTS PER BUSHEL**      OR      **TOTAL DOLLARS**

0930

0931

[*Go to Section I.*]

**OFFICE USE**

0932

3. [*If* **DRIED OTHER THAN CUSTOM** (*item 1 is code 2*), *ask--*]

a. What was (will be) the main fuel used to dry soybeans from this field--

- 1 **Diesel**
- 2 **Gasoline**
- 3 **LP Gas**
- 4 **Natural Gas**
- 5 **Electricity**
- 6 **Other**

**CODE**

0933

b. On average, how many percentage points of moisture were (will be)  
removed from the beans from this field? .....

**PERCENTAGE POINTS**

0934      • \_\_\_\_\_

**Example:** *Harvested beans at 16.8 percent moisture  
Dried beans to 13.5 percent moisture  
3.3 points removed, enter in cell 0934*

# LANDLORD COSTS

**[ENUMERATOR INSTRUCTION: If selected soybean field was RENTED, continue. Else go to Section J.]**

1. Did your landlord for this selected soybean field contribute to the cost of any of these production items for the 1997 crop?

[Show list of Landlord Cost items in the Respondent Booklet.]

**YES** - [Enter code 1 and complete table below.]  **NO** - [Go to Section J.] .....

CODE
0935

1	2	
Which items? [Check all that apply.]	[For each item checked in column 1, ask--] How much did your landlord spend for [column 1 item] for this field?	
	PERCENT	OR TOTAL DOLLARS
<b>Seed Costs</b>		
<input type="checkbox"/> a. Purchased Seed .....	0936	0937
<b>Fertilizer Costs [Exclude Lime &amp; Gypsum]</b>		
<input type="checkbox"/> b. Fertilizer custom applications .....	0938	0939
<input type="checkbox"/> c. Fertilizer materials .....	0940	0941
<b>Chemicals/Pesticides Costs</b>		
<input type="checkbox"/> d. Chemicals/pesticides custom applications .....	0942	0943
<input type="checkbox"/> e. Chemicals/pesticides materials .....	0944	0945
<b>Technical Services</b>		
<input type="checkbox"/> f. Soil tests or plant tissue tests .....	0946	0947
<input type="checkbox"/> g. Scouting services .....	0948	0949
<input type="checkbox"/> h. Biological pest controls and their application .....	0950	0951
<input type="checkbox"/> i. Other custom technical services [Specify _____] .....	0952	0953
<b>Custom Field Operations and Services</b>		
<input type="checkbox"/> j. Custom land preparation, shaping, and/or leveling ...	0954	0955
<input type="checkbox"/> k. Custom cultivating .....	0956	0957
<input type="checkbox"/> l. Custom planting and/or reseeded .....	0958	0959
<input type="checkbox"/> m. Custom harvesting of the crop .....	0960	0961
<input type="checkbox"/> n. Custom hauling of the crop from the field to storage or point of first market .....	0962	0963
<input type="checkbox"/> o. Custom drying .....	0964	0965
<input type="checkbox"/> p. Other custom services [Specify _____] .....	0966	0967
<b>Irrigation and Water Management Costs</b>		
<input type="checkbox"/> q. Fuel, lubrication and electricity for irrigation .....	0968	0969
<input type="checkbox"/> r. Repairs for irrigation equipment .....	0970	0971
<input type="checkbox"/> s. Purchased irrigation water .....	0972	0973

1. **Now I'm done with questions about this field.**  
**My last questions concern the entire soybean enterprise.**

J

## VEHICLES and TRUCKS--ALL SOYBEAN ENTERPRISE

J

(**Include** all vehicles owned, rented, leased or borrowed, and those used to haul soybeans out of the field to the point of first sale or storage.  
**Exclude** vehicles provided by custom operators.)

1 VEHICLES	2 How many [vehicles] were used for the 1997 soybean crop? NUMBER	3 What was the total mileage driven by these [vehicles] for all farm uses during the past 12 months? MILES	4 How many of these miles were for the soybean crop?	
			MILES -OR-	PERCENT
Pick-ups, Cars & Sport Utility	0974	0975	0976	0977
ATVs and Motorcycles	0978	0979	0980	0981

1 What other trucks were used for the 1997 soybean crop? (Exclude pick-ups) MAKE/MODEL	2 Is this truck-  1 diesel? 2 gasoline? 3 LP gas? 9 other? CODE	3 Is it--  1 single axle? 2 tandem axle? 3 semi? CODE	4 How many total miles was this truck driven for all farm uses during the last 12 months? MILES	5 How many of these miles were for the soybean crop?	
				MILES -OR-	PERCENT
	0982	0983	0984	0985	0986
	0987	0988	0989	0990	0991
	0992	0993	0994	0995	0996
	0997	0998	0999	1000	1001
	1002	1003	1004	1005	1006
	1007	1008	1009	1010	1011
	1012	1013	1014	1015	1016
	1017	1018	1019	1020	1021
	1022	1023	1024	1025	1026

# CONCLUSION

## LOCATION OF SELECTED FIELD

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

What county is the selected soybean field in? \_\_\_\_\_

**OFFICE USE--  
COUNTY FIPS CODE**  
0021

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

2. There's other information we need to complete the profile of your operation. Because this information is so important, we will contact you in February or March, 1998, to collect it. I'll call you then to set up a time that's good for you.

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

<b>RESPONDENT</b>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">1</td> <td style="width: 80%;">Operator/manager/partner</td> <td style="width: 10%; text-align: center;">.....</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Spouse</td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td>Accountant/bookkeeper</td> <td></td> </tr> <tr> <td style="text-align: center;">4</td> <td>Other</td> <td></td> </tr> </table>	1	Operator/manager/partner	.....	2	Spouse		3	Accountant/bookkeeper		4	Other		<b>CODE</b>
1	Operator/manager/partner	.....												
2	Spouse													
3	Accountant/bookkeeper													
4	Other													
		0101												
Respondent's name [if code 3 or 4] .....	_____													
Phone .....	(        ) _____													
<b>RECORDS USE</b>														
Did respondent use farm/ranch records to report the majority of <b>expense</b> data? .....	YES = 1	0106												
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>TRUCKS and TRACTORS</b>	0116												
ENDING TIME [MILITARY] .....		<b>MILITARY TIME</b> 0005												
DATE: .....		<b>MM DD YY</b> 0007												
ENUMERATOR .....		<b>ENUMERATOR ID</b> 0098												
		<b>EVALUATION</b> 0100												