



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

VERSION 06	POID _____	TRACT 00	SUBTRACT _____	T-TYPE 0	TABLE 000	LINE 00
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CONTACT RECORD		
DATE	TIME	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 soybeans and need your help to make the information as accurate as possible. Authority for collection of information on the Soybean 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.

935

H H M M

BEGINNING TIME 0004
[MILITARY] _____

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

A SOYBEAN FIELD SELECTION

1. How many acres of soybeans did this operation plant for the 1999 crop year?

[> If no acres planted, review Phase I Information Form. Make notes, then go to item 3 on back page.]

TOTAL PLANTED ACRES

0019

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

TOTAL NUMBER OF FIELDS PLANTED

0020

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

3. I will follow a simple procedure to make a random selection from the (item 2) soybean fields planted for the 1999 crop.

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 2 is TOTAL fields planted, and list only the 18 fields closest to the operator's permanent residence.
- > If respondent is unable to identify or describe the fields, use the Field Selection Grid.]

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 _____

APPLY "RANDOM NUMBER" LABEL HERE

4. [ENUMERATOR ACTION:

Circle the pair of numbers on the above label associated with the last numbered field in item 3. Select the field according to the number you circled on the label, and record the selected number. If only 1 field, enter 1.]

SELECTED FIELD NUMBER

0021

5. The field selected is (field name/number/description).

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

OFFICE USE OY Field Substituted

0022

B FIELD CHARACTERISTICS---SELECTED FIELD

1. How many acres of soybeans did this operation plant in this field for the 1999 crop?

ACRES
0935

2. How many acres in this field were--

ACRES
0936
0937
0938
0939

a. owned by this operation?
 b. rented for CASH?
 c. SHARE rented?
 d. used RENT-FREE?

3. What year did you start operating this field?

YEAR
0940

a. Do you EXPECT to be operating this field for the next 5 years (through the 2004 crop year)? YES = 1

CODE
0941

4. On what date was this field planted?

MM DD YY
0942

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

UNITS PER ACRE
0944
0945

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

a. Was the seed--

CODE
0946

1	Drilled?
2	Planted in conventional rows?
3	Broadcast on this field?

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

INCHES
0947

7. Was the source of the soybean seed--

CODE
0948

1	Purchased? - [Enter code 1; continue.]
2	Homegrown or traded? - [Enter code 2; go to item 10.]
3	Both? - [Enter code 3; continue.]

[If any seed purchased (codes 1 or 3), continue with item 8. If all seed homegrown or traded (code 2), go to item 10.]

B FIELD CHARACTERISTICS---SELECTED FIELD

8. Which type of soybean seed variety was used--
 [Show Seed Type Code List. Choose one code.]

- a. in this field in 1999?
- b. in this field in 1998?
 [Leave blank if different commodity planted in 1998.]

CODE

0949
0950

SEED TYPE - SOYBEANS

1 Genetically-modified **herbicide resistant** seed variety

2 NON-genetically-modified herbicide resistant variety

6 Variety planted not listed above

9. [If used RESISTANT seed, ask--]
Seed varieties may offer several benefits.

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

- 1 Increase yields through improved pest (*weed, insect or disease*) control?
- 2 Decrease pesticide input costs?
- 3 Increase planting flexibility, (*for example, easier to rotate crops, reduce carryover, use reduced tillage or no-till systems, etc.*)?
- 4 Adopt more environmentally-friendly practices?
- 5 For some other reason(s)? [*Specify _____*]

CODE

0951

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

CODE

0952

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

1		2		3
How many acres in the soybean field were (will be)--	ACRES	What yield per acre did you get (do you expect to get) for--	UNITS PER ACRE	UNIT CODES
				1=POUNDS 2=CWT 3=TONS 4=BUSHEL
a. harvested for beans?	0953 • ____	0954 • ____		0955
d. abandoned?	0961 • ____			
e. used for some other purpose?	0962 • ____			

B FIELD CHARACTERISTICS---SELECTED FIELD

CROP CODE LIST for item 12 PREVIOUSLY PLANTED CROP was--			
1 Alfalfa hay 190 Barley 3 Dry Beans 85 Canola 310 Clover 6 Corn for grain 5 Corn for silage	281 Cotton, Upland 282 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 No crop planted during this period

12. 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 1998?		0964	0965
b. SPRING/SUMMER of 1998? ..		0966	0967
c. FALL of 1997?		0968	0969
d. SPRING/SUMMER of 1997? ..		0970	0971
e. FALL of 1996?		0972	0973
f. SPRING/SUMMER of 1996? ..		0974	0975

13. Was crop residue (from the previous crop planted) removed from this field by baling or removing straw or stalks, burning, etc.? YES = 1

CODE

0976

B FIELD CHARACTERISTICS---SELECTED FIELD

1	2	3
14. Did your land-use practices for this field include--	In what year were the (column 1) established in this field?	[If (column 1) were established before operator began operating this field, enter code 1 and skip column 3.]
CODE	YEAR	PERCENT
3	Excluding government cost sharing payments, how much of the cost of building the (column 1) was paid directly by you?	
a. terraces? YES = 1	0977	0978
b. temporary or permanent levees? . YES = 1	0981	0982
c. grassed waterways? YES = 1	0985	0986
d. filter strips or riparian buffers on or adjoining the field? YES = 1	0989	0990
e. contour farming? YES = 1	0993	0979
f. strip cropping? YES = 1	0994	0983
g. underground outlets such as tile drainage? YES = 1	0995	0987
h. other drainage channels or diversions? YES = 1	0996	0991
		0980
		0984
		0988
		0992

- CODE**
15. Has the Natural Resource Conservation Service or NRCS classified any part of this field as "Highly Erodible"? YES = 1
16. Have you been notified by NRCS that this field contains a wetland? YES = 1
17. Have you received assistance from NRCS in 1999 for planning or installation of conservation practices or systems? YES = 1
18. Have you received financial cost-sharing assistance from the Farm Service Agency (formerly ASCS) in 1999 for installation of conservation practices or systems? YES = 1

C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C

1. Were commercial FERTILIZERS applied to this field for the 1999 soybean crop? YES=1

CODE	EDIT TABLE
1001	0201

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

3. How many trips were made across this field to apply commercial fertilizer for the 1999 crop (include applications made by airplanes and commercial applicators)?

NUMBER
1002

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

CHECK LIST		T-TYPE	TABLE
INCLUDE	EXCLUDE	2	001
<input type="checkbox"/> Custom applied fertilizers <input type="checkbox"/> Fertilizer applied in the fall of 1998 and those applied earlier if this field was fallow in 1998 <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	LINE 99	OFFICE USE LINES IN TABLE 0213

LINE	2 → → → MATERIALS USED <small>[Enter percentage analysis or actual pounds of plant nutrients applied per acre.] [Show Common Fertilizers in Respondent Booklet.]</small>			3 What quantity was applied per acre? <small>[Leave this column blank if actual nutrients were reported.]</small>	4 [Enter material code.]	5 When was this applied?	6 How was this applied?	7 How many acres were treated in this application? ACRES
	N Nitrogen	P ₂ O ₅ Phosphate	K ₂ O Pofash		1 Pounds 12 Gallons 19 Pounds of actual nutrients	1 Before seeding (fall) 2 Before seeding (spring) 3 At seeding 4 After seeding	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	
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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5. **Was a nitrogen soil test performed on this field?** YES = 1

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

CODE

1003

POUNDS PER ACRE

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

1004

6. **[Enumerator Action: Refer to the Fertilizer Table, column 2.**
If nitrogen (N) was applied, complete items 7 and 8.
If NO nitrogen applied, skip to item 9.]

7. **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.)? YES = 1

1005

b. Results of a soil or plant tissue test? YES = 1

1006

c. Crop consultant recommendation? YES = 1

1007

d. Fertilizer dealer recommendation? YES = 1

1008

e. Extension Service recommendation? YES = 1

1009

f. Cost of nitrogen and/or expected commodity price? YES = 1

1010

8. **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

1011

9. Was a **soil test** performed on this field in 1998 or 1999 for the 1999 soybean crop? YES = 1

1012

10. Was a **plant tissue test** performed on this field in 1998 or 1999 for the 1999 soybean crop? YES = 1

1013

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

1014

a. *[If lime applied, ask--]*

YEARS

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

1015

b. *[If lime applied, ask--]*

TONS PER ACRE

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

1016

CODE

12. **Was sulfur applied to this field for the 1999 crop?** YES = 1

1017

a. *[If sulfur applied, ask--]*

POUNDS PER ACRE

How many pounds of sulfur were applied per acre?

1018

C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C

13. Was gypsum applied to this field for the 1999 crop? YES = 1 CODE
1019

14. Were micronutrients applied to this field for the 1999 crop? YES = 1 1020

a. [If micronutrients applied, ask--]
Did the micronutrients include zinc? YES = 1 1021

15. Was manure applied to this field for the 1999 soybean crop?
(Exclude commercially prepared manure.) CODE

YES - [Enter code 1 and continue.] 1022

NO - [Go to Section D.]

a. How many acres was manure applied to? ACRES
1023

b. What was the total amount of manure applied to this field? TOTAL TONS OR TOTAL GALLONS
1024 1025

c. Was the manure-- CODE

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?

 1026

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

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>)?

 1027

e. Was the manure-- CODE

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

 1028

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 1999 soybean crop.

Were any herbicides, insecticides, fungicides or other chemicals used on the soybean field for the 1999 crop? YES = 1

CODE	EDIT TABLE
1030	0301

[Probe for applications made in the fall of 1998 (and those made earlier if this field was fallow).]
 [If none, go to Section E.]

CHECK LIST		
INCLUDE		EXCLUDE
<input type="checkbox"/> Defoliants	<input type="checkbox"/> Insecticides	<input type="checkbox"/> Fertilizers reported earlier
<input type="checkbox"/> Fungicides	<input type="checkbox"/> All other pesticides	<input type="checkbox"/> Seed treatments
<input type="checkbox"/> Herbicides		

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

NOTES	LINE	2 What products were applied to this field? [Show 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 mix.]	5 When was this applied? 1 BEFORE planting 3 AT planting 4 AFTER planting 5 Defoliation prior to harvest	6 How much was applied per acre per application ?	OR 7 What was the total amount applied per application in this field?	8 [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

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 This year, was the problem of this pest-- <small>1 worse than normal? 3 normal? 5 less than normal? 7 unknown? 9 not applicable?</small>	14 Were these applications made by-- <small>1 Operator, Partner, Family member? 2 Custom applicator? 3 Employee / Other?</small>
	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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E PEST MANAGEMENT PRACTICES--SELECTED FIELD E

T-TYPE	TABLE	LINE
0	000	00

- Now I have some questions about your pest management decisions and practices used on this field for the 1999 soybean crop. By pests, we mean WEEDS, INSECTS and DISEASES.
- Let's begin with questions about scouting this field for pests.

<p>1</p> <p>Was this soybean field scouted for--</p>	<p>2</p> <p>[If YES, ask--] 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>
YES=1	
a. weeds?	1031 1032
b. insects?	1033 1034
c. diseases?	1035 1036

- [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

CODE
1037

E PEST MANAGEMENT PRACTICES--SELECTED FIELD E

4. [Enumerator Action: *Were HERBICIDES used (pesticide product codes 4000-4999), Section D, item 1 column 2?*]
 YES - [Continue.] NO - [Go to item 9.]

5. Did you apply herbicides to this soybean field BEFORE weeds emerged? YES = 1

CODE
1038

a. [Enumerator Action: *Were PRE-EMERGENT HERBICIDES used?*]
 YES - [Continue.] NO - [Go to item 7.]

6. Did you decide to apply herbicides BEFORE weeds emerged on this soybean field based on--

1039
1040
1041
1042

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

7. Did you apply herbicides to this soybean field AFTER weeds emerged? YES = 1

1043

a. [Enumerator Action: *Were POST-EMERGENT HERBICIDES used?*]
 YES - [Continue.] NO - [Go to item 9.]

8. Did you decide to apply herbicides AFTER weeds emerged on the soybean field based on--

1044
1045
1046
1047

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

9. [Enumerator Action: *Were INSECTICIDES used (pesticide product codes 1000-1999), in Section D, item 1 column 2?*]
 YES - [Continue.] NO - [Go to item 11.]

10. Did you decide to apply insecticides to this soybean field based on--

1048
1049
1050
1051
1052

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

E PEST MANAGEMENT PRACTICES--SELECTED FIELD E

OTHER PEST MANAGEMENT PRACTICES

		CODE
11.	Was protection of beneficial organisms a factor in your pest control decisions for this field? YES = 1	1053
12.	Did you use any beneficial organisms to control pests in this field? YES = 1	1054
13.	Did you use water management practices, such as controlled drainage or irrigation scheduling to control pests in this field? [Exclude chemigation.] YES = 1	1055
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	1056
15.	Did you clean equipment and implements after completing field work to reduce the spread of pests from this field? YES = 1	1057
16.	Did you cultivate this field for weed control during the growing season? YES = 1	1058
17.	Did you consider pest resistance when selecting which variety to plant in this field? YES = 1	1059
18.	Did you treat the seed used in this field for disease control? YES = 1	1060
19.	Did you adjust planting or harvesting dates to control pests? YES = 1	1061
20.	Did you use soil analysis to detect the presence of soilborne pests or pathogens in this field? YES = 1	1062
21.	Did you alternate pesticides (use pesticides with different mechanisms of action) to keep pests from becoming resistant to pesticides in this field? YES = 1	1063
22.	Did you adjust row spacing or plant density to control pests in this field? YES = 1	1064
23.	Did you rotate crops on this field during the past 3 years to control pests? YES = 1	1065
26.	Did you do any other type(s) of pest management to control pests in this field? YES = 1	1069
	a. [If YES, ask--]	
	What did you do? [List other activities.]	
	_____	1070
	_____	1071
	_____	1072

PEST MANAGEMENT INFORMATION

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

What was your primary outside source of information on pest management recommendations for the 1999 soybean 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 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.]

1073

PEST MANAGEMENT TRAINING

28. **Have you (the operator) attended any training session on pest identification and management since October 1, 1998?** YES = 1

CODE

0028

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

CODE

0029

OFFICE USE

0030

1. **Including custom operations, I need to list field work performed by machines on this field for the 1999 soybean crop. Please...**

- ▶ Begin with the first field operation after harvest of previous crop, (If fallow during 1998, list operations starting with fall 1997.)
- ▶ List the operations in order through seeding, 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 Operator?

CHECK LIST

Include all field work using machines for--

Land Forming
 Tillage
 Preparing for Irrigation before seeding
 Planting

Exclude

Lime & Gypsum applications
 Fertilizers & Pesticides applications
 Operations that occur after planting
 Harvesting & Hauling

2 SEQUENCE NO.	3 What operation or equipment was used on this field?	4 [Record machine code from Respondent Booklet.] CODE	5 Who was the machine operator-- [Enter code from above.]	[If CUSTOM (column 5 is code 6) skip columns 6 & 7.]		8 In what month was this operation done ? MM YY
				6 How many acres were covered? 1/ ACRES	7 How many acres were covered per hour? ACRES PER HOUR	
0321		0322	0323	0324	0325	0326
0328		0329	0330	0331	0332	0333
0335		0336	0337	0338	0339	0340
0342		0343	0344	0345	0346	0347
0349		0350	0351	0352	0353	0354
0356		0357	0358	0359	0360	0361
0363		0364	0365	0366	0367	0368
0370		0371	0372	0373	0374	0375
0377		0378	0379	0380	0381	0382
0384		0385	0386	0387	0388	0389
0391		0392	0393	0394	0395	0396
0398		0399	0400	0401	0402	0403
0405		0406	0407	0408	0409	0410
0412		0413	0414	0415	0416	0417
0419		0420	0421	0422	0423	0424

1/ For backhoes, disk border maker, ditch closer, ditcher, levee-plow disk, quarter drain machine and rear mounted blade, enter total HOURS, not acres. Then leave column 7 blank.

OFFICE USE

0032

		CODE
4.	Was there (will there be) a yield monitor on the equipment used to harvest this soybean field?	YES = 1 <input style="width: 100px; height: 20px;" type="text" value="1077"/>
	a. [If YES, ask--]	
	Was (will there be) a yield map produced from this harvest using information from the yield monitor?	YES = 1 <input style="width: 100px; height: 20px;" type="text" value="1078"/>
5.	Regardless of when done, has this field been soil grid-sampled and grid-mapped?	YES = 1 <input style="width: 100px; height: 20px;" type="text" value="1079"/>
6.	Was this field remotely sensed (by airplane or satellite) and an image produced either before or during the 1999 growing season?	YES = 1 <input style="width: 100px; height: 20px;" type="text" value="1080"/>
7.	Was variable rate technology (VRT) used for--	
	a. fertilization or liming?	YES = 1 <input style="width: 100px; height: 20px;" type="text" value="1081"/>
	b. seeding?	YES = 1 <input style="width: 100px; height: 20px;" type="text" value="1082"/>
	c. pesticide applications?	YES = 1 <input style="width: 100px; height: 20px;" type="text" value="1083"/>

1. How many acres in this field were irrigated for the 1999 soybean crop? ACRES

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

2. Now, I have some questions about the irrigation of this field for the 1999 soybean 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 Sytem Type Code for system covering the most field acres.]

b. What was the total number of inches of water per acre applied to this field during the entire growing season? INCHES PER ACRE
(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?	<input type="text" value="1087"/> TOTAL HOURS
(2) How many gallons per minute were applied?	<input type="text" value="1088"/> 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

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

5. Is the runoff from this field primarily--	1 re-used to irrigate on the farm?	<input type="text" value="1094"/> CODE
	2 retained at the end of the field with no re-use?	
	3 collected in evaporation ponds on the farm?	
	4 drains from the farm?	
	5 there is no runoff?	

H OPERATOR and OPERATION CHARACTERISTICS H

1. In 1999, was this operation's LEGAL STATUS--

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

ENTER CODE

0035

2. In 1999, 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. 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 1999;

What code represents the total gross value of sales for this operation in 1999?

- | | | |
|--------------------------|----|--------------------------|
| <input type="checkbox"/> | 1 | Less than \$1,000 |
| <input type="checkbox"/> | 2 | \$ 1,000 -- \$ 2,499 |
| <input type="checkbox"/> | 3 | \$ 2,500 -- \$ 4,999 |
| <input type="checkbox"/> | 4 | \$ 5,000 -- \$ 9,999 |
| <input type="checkbox"/> | 5 | \$ 10,000 -- \$ 19,999 |
| <input type="checkbox"/> | 6 | \$ 20,000 -- \$ 24,999 |
| <input type="checkbox"/> | 7 | \$ 25,000 -- \$ 39,999 |
| <input type="checkbox"/> | 8 | \$ 40,000 -- \$ 49,999 |
| <input type="checkbox"/> | 9 | \$ 50,000 -- \$ 99,999 |
| <input type="checkbox"/> | 10 | \$ 100,000 -- \$ 249,999 |
| <input type="checkbox"/> | 11 | \$ 250,000 -- \$ 499,999 |
| <input type="checkbox"/> | 12 | \$ 500,000 and over |

CODE

0038

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

FARM TYPE CODE

0039

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 |

OFFICE USE

0040

LOCATION OF SELECTED FIELD

20
CONCLUSION

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

What county is the selected soybean field in?

COUNTY NAME

OFFICE USE--
COUNTY FIPS CODE

0010

2. [ENUMERATOR ACTION:

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

CODE

3. 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

0099

RECORDS USE

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

a. [fertilizer data?] YES = 1

0011

b. [pesticide data?] YES = 1

0012

SUPPLEMENTS USED

5. [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

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

CODE

0101

Respondent's name
[if code 3 or 4]

Phone (_____) _____

ENDING TIME [MILITARY]

MILITARY TIME
H H M M

0005

DATE:

MM DD YY

0007

99

ENUMERATOR NAME

ENUMERATOR ID

0098

EVALUATION

0100