



NATIONAL AGRICULTURAL RESOURCE MANAGEMENT STUDY
STATISTICS SERVICE
SUGARBEET PRODUCTION PRACTICES and COSTS REPORT
for 2000

Form Approved
 O.M.B. Number 0535-0218
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 Project Code 906
 Phase II

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

VERSION 3	ID _____	TRACT 01	SUBTRACT _____	T-TYPE 0	TABLE 000	LINE 00
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ECONOMIC RESEARCH SERVICE

CONTACT RECORD

DATE	TIME	NOTES

R CODES

3 - COMPLETE
 5 - OUT OF SCOPE
 8 - REFUSAL
 9 - INAC./INCOMPL.

OPTIONAL

OPTIONAL

0910

0002

0003

INTRODUCTION

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

We are collecting information on practices and costs to produce sugarbeets and need your help to make the information as accurate as possible. Authority for collection of information on the Sugarbeet 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]

0004

H H M M

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
 3 = ZERO TARGET

0008

[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

SUGARBEET FIELD SELECTION

1. How many acres of sugarbeets 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 on back page

TOTAL
PLANTED ACRES

0019 . ____

2. How many of the total [item 1] sugarbeet acres were--

ACRES

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

3006	. ____
3007	. ____
3008	. ____
3009	. ____

[Total must equal item 1.]

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

What is the TOTAL number of sugarbeet 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

1 _____

2 _____

3 _____

4 _____

5 _____

6 _____

7 _____

8 _____

9 _____

FIELD NAME, NUMBER OR DESCRIPTION

10 _____

11 _____

12 _____

13 _____

14 _____

15 _____

16 _____

17 _____

18 _____

A SUGARBEET FIELD SELECTION

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 sugarbeet questions will be about this selected sugarbeet field.

[Be sure the operator can identify the selected field.]

B FIELD CHARACTERISTICS---SELECTED FIELD

B

1. How many acres of sugarbeets did this operation plant in this field for the 2000 crop? **ACRES**
3010

2. Were the acres in this field-- .. 1 owned by this operation?
2 rented for CASH?
3 SHARE rented?
4 used RENT-FREE? **CODE**
3011

3. [If field is CASH RENTED, ask--] **DOLLARS & CENTS PER ACRE**
 What was the cash rent paid per acre for this 2000 sugarbeet crop? 3012

4. [If field is SHARE RENTED, ask--.] **PERCENT**
 What was the landlord's share of the crop from this field? 3013

5. What year did you start operating this field? **YEAR**
3014

a. Do you EXPECT to be operating this field for the next 5 years (through the 2005 crop year)? **CODE** YES = 1
3015

7. On what date was this field planted? **MM DD YY**
3017

8. What was the average sugarbeet row width? **INCHES**
3018

10. What was the seeding rate per acre the first time this field was seeded? **POUNDS PER ACRE OR SEEDS PER ACRE**
3020 3021

11. How many acres in this field had to be reseeded to sugarbeets? **ACRES**
 (Number of acres times the number of times reseeded.) 3023

18. What was the total cost per unit (including both your and the landlord's share) of sugarbeet seed for this field include expenses for reseeded? **DOLLARS & CENTS PER ACRE**
 (Include cost of seed treatment.) 3033

a. Did you plant a cover or nurse crop to protect seedlings against wind erosion? ... YES=1 **CODE**
3034

(1) What was the cover/nurse crop? **CODE**
 [Show Crop List Code from Respondent Booklet, and choose one code.] 3035

(2) [If item 18a YES, ask--] **DOLLARS & CENTS PER ACRE**
 What was the total cost per acre for seed for this cover/nurse crop? 3036

21. Has harvest of this field been completed? **CODE** YES = 1
3037

22. Now I need information about the acres harvested (or to be harvested)

B FIELD CHARACTERISTICS---SELECTED FIELD

and the yields from this field.

1		2	
How many acres in the sugarbeet field were (will be)--		What yield per acre did you get (do you expect to get) for--	
		ACRES	TONS PER ACRE
a. harvested?	3038	. ____	3039
d. abandoned?	3047	. ____	

TOTAL DOLLARS

24. How much was (or will be) received for sales of beet tops or fees for grazing livestock on beet tops after harvest?
- 3050
- a. How much was (or will be) received by your landlords for beet tops or grazing of beet tops?
- 3051

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

26. 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--			Was this crop irrigated?
	CROP NAME	CROP CODE	YES = 1
a. FALL of 1999?		3052	3053
b. SPRING/SUMMER of 1999? ..		3054	3055
c. FALL of 1998?		3056	3057
d. SPRING/SUMMER of 1998? ..		3058	3059
e. FALL of 1997?		3060	3061
f. SPRING/SUMMER of 1997? ..		3062	3063

B FIELD CHARACTERISTICS---SELECTED FIELD

1	2	3
In 2000, 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.]
CODE	YEAR	In 2000, did (or will) the federal or State government pay an annual rental payment for keeping this conservation practice in place? [YES=1]
b. temporary or permanent levees? . YES = 1	3064	3065
c. grassed waterways? YES = 1	3067	3068
d. filter strips or riparian buffers on or adjoining the field? YES = 1	3071	3072
e. contour farming? YES = 1	3075	3073
f. strip cropping? YES = 1	3076	3074
g. underground outlets such as tile drainage? YES = 1	3077	
h. other drainage channels or diversions? YES = 1	3078	

	CODE
28. Has the Natural Resource Conservation Service (NRCS) classified any part of this field as "Highly Erodible"? YES = 1	3079
29. Have you been notified by NRCS that this field contains a wetland? YES = 1	3080
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	3081
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	3082

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	3083	3084
b. Comprehensive nutrient management plan specifying practices for applying both fertilizer and manure? YES=1	3085	3086
c. Nutrient management plan specifying practices for land application of manure only? YES=1	3087	3088
d. Pest management plan specifying pesticide use and/or other practices for controlling weeds, insects, or plant disease? . . . YES=1	3089	3090
e. Irrigation water management plan specifying practices for applying or conserving irrigation water? YES=1	3091	3092

B FIELD CHARACTERISTICS---SELECTED FIELD

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

- YES** - [Enter code 1 and continue.] YES=1
- NO** - [Go to **Section C**.]

CODE
3093

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
- b. **Buy-up on Basic Federal CAT** for higher levels of yield and price protection (such as 65% of yield and 100% price). YES=1
- c. **Federal Revenue insurance** include Income Protection (IF), Crop Revenue Coverage (CRC), and Revenue Assurance (RA). YES=1
- d. **Other Federal Crop insurance** (Group Risk Plan, Adjusted Gross Revenue, Group Risk Income Protection, etc.) YES=1
- e. **Other Private Crop insurance** (Hail, wind, freeze, etc.) YES=1

3094
3095
3096
3097
3098

C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C

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

CODE	EDIT TABLE
3099	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
3100

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 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	OFFICE USE LINES IN TABLE	0213
LINE 99			

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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5. Not including the cost of fertilizer materials, how much was spent for CUSTOM APPLICATION of fertilizers on this field for the 2000 sugarbeet crop?

(Include landlord costs.

Exclude custom application of lime, gypsum & purchased manure.)

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

exclude them here and record the total in item 6.]

DOLLARS & CENTS
PER ACRE

OR

TOTAL DOLLARS

3101	•	___
------	---	-----

3102

6. What was the TOTAL MATERIALS cost for all fertilizer, soil conditioners, micronutrients, etc. applied to this field for the 2000 sugarbeet 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 1999.)

DOLLARS & CENTS
PER ACRE

OR

TOTAL DOLLARS

3103	•	___
------	---	-----

3104

TONS PER ACRE

3105

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

CODE

8. Was a soil test for phosphorus performed on this sugarbeet field in 1999 or 2000 for the 2000 crop? YES = 1

3110

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

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

POUNDS PER ACRE

3111

CODE

9. Was a soil test for nitrogen performed on this sugarbeet field in 1999 or 2000 for the 2000 crop? YES = 1

3112

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

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

POUNDS PER ACRE

3113

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.)? YES = 1

3114

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

3115

c. Crop consultant recommendation? YES = 1

3116

d. Fertilizer dealer recommendation? YES = 1

3117

e. Extension Service recommendation? YES = 1

3118

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

3119

g. Coop company or factory recommendation? YES = 1

3120

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

3121

C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD C

13. Was a **plant tissue test** performed on this field in 1999 or 2000 for the 2000 sugarbeet crop? YES = 1

14. [If soil or plant tissue tests done, ask--, else go to item 15.]

How much was spent for these soil and plant tissue tests on this field?
[Include landlord's costs.]

DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
<input type="text" value="3123"/>		<input type="text" value="3124"/>

(1) [Note: If tests were done at no cost, explain: _____]

OFFICE USE

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

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?

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

c. [If rented, ask--]
Considering the last time it was applied, what percent of the total cost of lime and its application was paid by the landlord(s)?

16. **Was sulfur applied to this field for the 2000 crop?** YES = 1

a. [If sulfur applied, ask--]

How many pounds of sulfur were applied per acre?

17. **Was gypsum applied to this field for the 2000 crop?** YES = 1

18. **Were micronutrients applied to this field for the 2000 crop?** YES = 1

a. [If micronutrients applied, ask--]

Did the micronutrients include **zinc**? YES = 1

Enumerator Notes:

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 sugarbeet crop.

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

CODE	EDIT TABLE
3134	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.]

<p>Include chemicals used to kill cover/nurse crop. Include defoliant, fungicides, herbicides, insecticides and pesticides. Include biological and botanical pesticides.</p>	<p>Exclude fertilizers reported earlier and seed treatments.</p>
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	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	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 D

APPLICATION CODES for column 9	
1 Broadcast, ground without incorporation	6 Chisel/injected or knifed in
2 Broadcast, ground with incorporation	7 Banded in or over row
3 Broadcast, by air (<i>Aerial application</i>)	8 Foliar or directed spray
4 In Seed furrow	9 Spot treatments
5 In Irrigation water	

[ENUMERATOR NOTE:
Use these columns only if
TOTAL COST
(item ④ on next page)
cannot be provided.]



LINE	9 How was this product applied? <i>[Enter code from above.]</i>	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? <i>[Show Target Pest codes from Respondent Booklet.]</i>	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 or Family member? 2 Custom applicator? 3 Employee / Other?	OPTIONAL ITEM ④ 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
12	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
13	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318
14	0311	0312 .__	0313	0314	0315	0316	0317 .__	0318

D PESTICIDE APPLICATIONS---SELECTED FIELD

D

T-TYPE	TABLE	LINE
0	000	00

3. Were any chemicals or pesticides applied by custom applicators?

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

OFFICE USE

0324

a. Are you able to report the cost of chemical product and custom application separately?

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

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

(Include operator and landlord cost.)

DOLLAR & CENTS PER ACRE

OR TOTAL DOLLARS

3135 . ____

3136

DOLLAR & CENTS PER ACRE

OR TOTAL DOLLARS

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

3137 . ____

3138

Include operator and landlord cost, herbicides, insecticides, fungicides, surfactants, chemicals used to kill cover/nurse crop, wetting agents, growth regulators, and materials applied before planting and during 1999 fallow period.

Exclude seed treatments.

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

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

E PEST MANAGEMENT PRACTICES--SELECTED FIELD E

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 sugarbeet 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 sugarbeet field scouted for--</p>	<p>②</p> <p><i>[If YES, ask--]</i></p> <p>Who did the majority of the scouting for</p> <p><i>[column 1]--</i></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>YES=1</p>	<p>CODE</p>
a. weeds?	3139 3140
b. insects?	3141 3142
c. diseases?	3143

3. *[If scouted by consultant or commercial scout, ask--]*

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

<p>DOLLARS & CENTS PER ACRE</p> <p>3144</p>	<p>OR</p>	<p>TOTAL DOLLARS</p> <p>3145</p>
--	------------------	---

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

<p>OFFICE USE</p> <p>0333</p>

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

<p>PERCENT</p> <p>3146</p>

4. *[If scouted by operator, partner, family member, employee, ask--]*

How many hours did *[operator(s), partners, family members, or employees]* spend scouting this field for pests?

<p>HOURS</p> <p>3147</p>

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>3148</p>

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 9.]

7. Did you apply herbicides to this sugarbeet field BEFORE weeds emerged? YES = 1 CODE
3149

[If item 7 = YES, ask--]

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

- a. a routine treatment for weed problems experienced in previous years? YES = 1 3150
- b. field mapping of previous weed problems? YES = 1 3151
- c. recommendations from a *chemical dealer*? YES = 1 3152
- d. recommendations from an *independent crop consultant*? YES = 1 3153

8. Did you apply herbicides to this sugarbeet field AFTER weeds emerged? YES = 1 3154

[If item 8 = YES, ask--]

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

- a. a routine treatment? YES = 1 CODE
3155
- b. type and/or density of weed(s) present? YES = 1 3156
- c. recommendations from a *chemical dealer*? YES = 1 3157
- d. recommendations from an *independent crop consultant*? YES = 1 3158

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 sugarbeet field based on-- CODE

- a. a preventative schedule? YES = 1 3159
- b. scouting data compared to University or Extension guidelines for infestation thresholds? YES = 1 3160
- c. standard practices or history of insect problems? YES = 1 3161
- d. local information (from other farmers, radio, TV, newsletters, etc.) that the pest was or was not present? YES = 1 3162
- e. your (the operator's) own determination of the infestation level? YES = 1 3163

OTHER PEST MANAGEMENT PRACTICES

11. Was protection of beneficial organisms a factor in your pest control decisions for this field? YES = 1 CODE
3164

E PEST MANAGEMENT PRACTICES--SELECTED FIELD E

12. Did you apply or release any beneficial organisms to control pests in this field? . YES = 1

13. Did you use water management practices, such as controlled drainage or irrigation scheduling, to control pests in this field? [Exclude chemigation.] YES = 1

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

15. Did you clean equipment and implements after completing field work to reduce the spread of pests from this field? YES = 1

16. Did you cultivate this field for weed control during the growing season? YES = 1

a. [If YES, ask--]

How many times did you cultivate this field for weed control during the growing season?

NUMBER

17. Did you consider pest resistance when selecting which variety to plant in this field? YES = 1

CODE

18. Did you treat the seed used in this field or purchase seed that was treated for disease control? YES = 1

19. Did you adjust planting or harvesting dates to control pests? YES = 1

20. Did you use soil analysis to detect the presence of soilborne pests or pathogens in this field? YES = 1

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

22. Did you adjust row spacing or plant density to control pests in this field? YES = 1

23. Did you rotate crops on this field during the past 3 years to control pests? YES = 1

24. Did you use biological pest controls on this field? [Biological pest controls include beneficial insects, floral lures, attractants or repellants applied to the field, pheromones and pheromone traps.] YES = 1

a. [If YES, ask--]

What were the TOTAL materials and application costs for all biological pest controls for this field? [Include landlord's share.]

DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS

E PEST MANAGEMENT PRACTICES--SELECTED FIELD E

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.]

_____	<input type="text" value="3185"/>
_____	<input type="text" value="3186"/>
_____	<input type="text" value="3187"/>

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 sugarbeet 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

FIELD OPERATIONS --- SELECTED FIELD

1. Now I need to list all tractors and self-propelled harvesters used to produce sugarbeet on this selected field.

CHECK LIST	
Include	Exclude
<input type="checkbox"/> Tractors owned, rented, leased or borrowed	<input type="checkbox"/> Tractors & self propelled harvesters provided by custom operators
<input type="checkbox"/> Self propelled harvesters & combines owned, rented, leased or borrowed	<input type="checkbox"/> Harvesters & combines that are not self propelled

1	2 What tractors and self-propelled harvesters were used on this field? MAKE and MODEL	3 What was the model year? <i>(Example: 2000)</i> YEAR	4 Is this vehicle a -- 2 2-wheel drive tractor? 3 2-wheel drive tractor with front wheel assist? 4 4-wheel drive tractor? 5 crawler or other tracked-tractor? 6 other tractor? 7 self-propelled harvester? CODE	[If TRACTOR, ask--]	
				5 What is its PTO horsepower? PTO HORSEPOWER	6 Is it-- 1 diesel? 2 gasoline? 3 LP gas 9 other? CODE
1		0120 ____	0121	0122	0123
2		0124 ____	0125	0126	0127
3		0128 ____	0129	0130	0131
4		0132 ____	0133	0134	0135
5		0136 ____	0137	0138	0139
6		0140 ____	0141	0142	0143
7		0144 ____	0145	0146	0147
8		0148 ____	0149	0150	0151
9		0152 ____	0153	0154	0155
10		0156 ____	0157	0158	0159
11		0160 ____	0161	0162	0163
12		0164 ____	0165	0166	0167
13		0168 ____	0169	0170	0171
14		0172 ____	0173	0174	0175
15		0176 ____	0177	0178	0179
16		0180 ____	0181	0182	0183
17		0184 ____	0185	0186	0187
18		0188 ____	0189	0190	0191
19		0192 ____	0193	0194	0195
20		0196 ____	0197	0198	0199

F FIELD OPERATIONS --- SELECTED FIELD

2. Including custom operations, I need to list field work performed by machines on this field for the 2000 sugarbeet crop. Please...

- ▶ Begin with the first field operation after harvest of previous crop, (If fallow during 1999, list operations starting with fall 1998.)
- ▶ List the operations in order through harvest and hauling of this crop to the receiving station or factory, 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
 Fertilizer & Pesticide applications
 Harvesting & Hauling
 to receiving station or factory

Planting and chemical operations for cover/nurse crop

Exclude

Lime & Gypsum applications



2 S E Q U E N C E No.	3 What operation or equipment was used?	4 <small>[Record machine code from Respondent Booklet.]</small> CODE	5 Who was the machine operator- <small>[Enter code from above.]</small> CODE	[If CUSTOM (column 5 = code 6), skip columns 6-10.]					11 In what month was this operation done? MM YY
				6 What was the size or swath of the [machine] used?	7 <small>[Record size code.]</small> 1 Feet 2 Row 3 Moldboard <small>(bottoms)</small> Hauling 4 Pounds 5 Bushels 6 Tons CODE	8 Which tractor/or self-propelled harvester was used? <small>[Record line number from item 1.]</small> 66 Animal Drawn 77 Pick-Up 88 Other Trucks 99 Self-Propelled	9 How many acres were covered? 1/ ACRES	10 How many acres were covered per hour? ACRES PER HOUR	
0351		0352	0353	0354	0355	0356	0357	0358	0359
0361		0362	0363	0364	0365	0366	0367	0368	0369
0371		0372	0373	0374	0375	0376	0377	0378	0379
0381		0382	0383	0384	0385	0386	0387	0388	0389
0391		0392	0393	0394	0395	0396	0397	0398	0399
0401		0402	0403	0404	0405	0406	0407	0408	0409
0411		0412	0413	0414	0415	0416	0417	0418	0419
0421		0422	0423	0424	0425	0426	0427	0428	0429
0431		0432	0433	0434	0435	0436	0437	0438	0439
0441		0442	0443	0444	0445	0446	0447	0448	0449
0451		0452	0453	0454	0455	0456	0457	0458	0459
0461		0462	0463	0464	0465	0466	0467	0468	0469
0471		0472	0473	0474	0475	0476	0477	0478	0479
0481		0482	0483	0484	0485	0486	0487	0488	0489
0491		0492	0493	0494	0495	0496	0497	0498	0499
0501		0502	0503	0504	0505	0506	0507	0508	0509
0511		0512	0513	0514	0515	0516	0517	0518	0519
0521		0522	0523	0524	0525	0526	0527	0528	0529

1/ For backhoes, disk border maker, ditch closer, ditcher, levee-plow disk, quarter drain machine and rear mounted blade and hauling operations, enter total HOURS, and leave column 10 blank.

OFFICE USE

0032

F FIELD OPERATIONS --- SELECTED FIELD F

3. 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 2000 sugarbeet crop.

- Include** ▶ workers who worked on the field during the Fall of 1999 and earlier if field was left fallow during 1999.
- 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 [Include machine and non-machine 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, burning, drying, repairing machinery, manual weeding, thinning, rock picking, and management activities.) TOTAL HOURS
<input type="checkbox"/> You (the operator)					3190
<input type="checkbox"/> Partners	3191				3192
<input type="checkbox"/> Spouse		3193	3194	3195	3196
	3197	3198	3199	3200	3201
	3202	3203	3204	3205	3206
	3207	3208	3209	3210	3211
	3212	3213	3214	3215	3216
	3217	3218	3219	3220	3221
	3222	3223	3224	3225	3226
	3227	3228	3229	3230	3231
	3232	3233	3234	3235	3236
	3237	3238	3239	3240	3241
	3242	3243	3244	3245	3246

a. Was any contract labor used on this field? YES = 1 CODE
3247

(1) [If item 3a is YES, ask--] DOLLARS & CENTS PER ACRE

What was the average cost per acre for this contract labor? 3248

F FIELD OPERATIONS --- SELECTED FIELD

4. [If UNPAID labor was reported, ask--]

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

PERCENT

3249

5. Now I need some information on how much was spent for custom and technical services used on this field for the 2000 sugarbeet crop.

1 CUSTOM or TECHNICAL SERVICE Which of these services were done for the 2000 sugarbeet crop on this field? [Check ✓ box for each service performed; refer to item F2 if necessary.]	2 Including landlord's cost, how much was spent for [column 1] on this field for the 2000 sugarbeet crop? DOLLARS & CENTS PER ACRE
<input type="checkbox"/> a. custom land preparation, shaping and/or leveling?	3250 • ____
<input type="checkbox"/> b. custom cultivating?	3251 • ____
<input type="checkbox"/> c. custom planting and/or reseeded?	3252 • ____
<input type="checkbox"/> d. custom mechanical thinning?	3253 • ____
<input type="checkbox"/> e. custom harvesting?	3254 • ____
<input type="checkbox"/> f. custom hauling to receiving station or factory?	3255 • ____
<input type="checkbox"/> g. custom harvesting and hauling from this field?	3256 • ____
<input type="checkbox"/> h. other custom and/or technical services? (specify _____) (Exclude custom fertilizer and chemical applications and custom crop drying.)	3257 • ____

8. Was there (will there be) a yield monitor on the equipment used to harvest this sugarbeet field?

CODE

3258

YES = 1

a. [If YES, ask--]

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

3259

YES = 1

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

Was a custom service/consultant hired for this activity?

3260

YES = 1

9. Regardless of when done, have the soil properties of this field been mapped (by grid or otherwise)?

[Mapped is intended to mean that a GPS unit was used to geo-reference the location of different soil properties.]

3261

YES = 1

	CODE
<p>10. Was this field remotely sensed (by airplane or satellite) and an image produced either before or during the 2000 growing season? YES = 1</p> <p>a. [If YES, ask--]</p> <p style="padding-left: 20px;">Was a custom service/consultant hired for this activity? YES = 1</p> <p style="padding-left: 40px;">(1) [If YES, ask--]</p> <p style="padding-left: 60px;">What was the total cost of this service?</p>	<div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3262</div> <div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3263</div> <p style="text-align: center; font-weight: bold; margin: 0;">DOLLARS & CENTS PER ACRE</p> <div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3264</div> <div style="text-align: right; margin-top: 5px;">. __</div>
<p>11. Was variable rate technology (VRT) used for--</p> <p>a. fertilization or liming? YES = 1</p> <p style="padding-left: 20px;">(1) [If YES, ask--]</p> <p style="padding-left: 40px;">Was a custom service/consultant hired for this activity? YES = 1</p> <p style="padding-left: 60px;">(a) [If YES, ask--]</p> <p style="padding-left: 80px;">What was the total cost of this service?</p>	<div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3265</div> <div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3266</div> <p style="text-align: center; font-weight: bold; margin: 0;">DOLLARS & CENTS PER ACRE</p> <div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3267</div> <div style="text-align: right; margin-top: 5px;">. __</div>
<p>b. seeding? YES = 1</p> <p style="padding-left: 20px;">(1) [If YES, ask--]</p> <p style="padding-left: 40px;">Was a custom service/consultant hired for this activity? YES = 1</p> <p style="padding-left: 60px;">(a) [If YES, ask--]</p> <p style="padding-left: 80px;">What was the total cost of this service?</p>	<div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3268</div> <div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3269</div> <p style="text-align: center; font-weight: bold; margin: 0;">DOLLARS & CENTS PER ACRE</p> <div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3270</div> <div style="text-align: right; margin-top: 5px;">. __</div>
<p>c. pesticide applications? YES = 1</p> <p style="padding-left: 20px;">(1) [If YES, ask--]</p> <p style="padding-left: 40px;">Was a custom service/consultant hired for this activity? YES = 1</p> <p style="padding-left: 60px;">(a) [If YES, ask--]</p> <p style="padding-left: 80px;">What was the total cost of this service? YES = 1</p>	<div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3271</div> <div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3272</div> <p style="text-align: center; font-weight: bold; margin: 0;">DOLLARS & CENTS PER ACRE</p> <div style="border: 1px solid black; padding: 2px; width: 100px; height: 20px; margin-bottom: 10px;">3273</div> <div style="text-align: right; margin-top: 5px;">. __</div>

G IRRIGATION --- SELECTED FIELD

ACRES

1. How many acres in this field were irrigated for the 2000 sugarbeet crop?
 [If none, go to Section I.] 3274 . ____

2. Now, I have some questions about irrigation systems and water used on this field for the 2000 sugarbeet 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 System Type Codes in the Respondent Booklet. Enter System Type Code for up to two systems covering the most field acres.]	SYSTEM TYPE CODE	3275	3276
b. What was the total quantity of water applied to this field during the entire growing season? [Include ALL water used from both on-farm and off-farm sources.]	INCHES PER ACRE	3277	3278
	OR TOTAL ACRE-FEET	3279	3280
[If operator cannot provide item 2b , ask (1) & (2)--] (1) What is the total number of hours this system was used to apply water to this field during the sugarbeet growing season?	TOTAL HOURS	3281	3282
(2) How many gallons per minute were applied?	GALLONS PER MINUTE	3283	3284
c. What percent of the water used to irrigate this field through this system came from surface water sources?	PERCENT	3285	3286
d. What was the number of times this field was irrigated during the sugarbeet growing season using this system? [Include any pre-plant irrigation.]	NUMBER OF IRRIGATIONS	3287	3288
e. 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.)	CODE	3289	3290
1 TURBINE? 2 SUBMERSIBLE? 3 CENTRIFUGAL? 4 BOOSTER? 5 SIPHON? 99 NO PUMP-? [If code 99, go to item j.]			
f. What was the average pumping rate?	GALLONS PER MINUTE	3291	3292
g. [If item 2a is code 1-9 (PRESSURE SYSTEM), ask--] What was the system operating pressure?	POUNDS PER SQUARE INCH	3293	3294
h. What was the motor type? 1 DIESEL 2 GASOLINE 3 LP GAS 4 NATURAL GAS 5 ELECTRICITY 6 SOLAR POWER	CODE	3295	3296
i. What was the average motor size?	HORSE-POWER	3297	3298
j. [If NO PUMP was used, ask-- (item e is code 99); What was the average flow rate?	GALLONS PER MINUTE	3299	3300
k. How many other acres on this operation were irrigated using this field's irrigation system during the 2000 growing season? [Exclude this field.]	ACRES	3301	3302

IRRIGATION --- SELECTED FIELD

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.]

CODE 3303

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

PERCENT 3304

b. What was the total cost for the water purchased for this field during the 2000 growing season? [Include landlord's costs and ditch maintenance costs.]

DOLLARS & CENTS PER ACRE 3305 OR TOTAL DOLLARS 3306

6. [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?

TOTAL DOLLARS 3310

7. [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 2000 growing season?

TOTAL DOLLARS 3311

8. [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?

INCHES 3312

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

FEET 3313

9. Were wells used to supply irrigation water for this field? YES - [Enter code 1 and continue.] NO - [Go to item 10.]

CODE 3314

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

NUMBER 3315

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

INCHES 3316

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.]

FEET 3317

d. [If same well(s) used to irrigate other fields, ask--] How many other acres on this operation were irrigated using the same wells during the 2000 growing season?

ACRES 3318

10. 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 11.]

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

PIPE TYPE CODES	
1	ALUMINUM - (NON-HI-PRESSURE)
2	ALUMINUM - (HI-PRESSURE)
3	STEEL
4	PLASTIC
5	OTHER (SPECIFY:_____)

CODE

3319

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

INCHES

3320

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

FEET

3321

11. 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	There is no runoff.

CODE

3322

LANDLORD COSTS

1. [If selected field RENTED, ask--; else go to Conclusion.]
Did your landlord for this selected sugarbeet field contribute to the cost of any of these production expense items for the 2000 crop?

CODE

YES - [Enter 1 and continue.] NO - [Enter 3 and go to Conclusion.] 3337

1	2	
Which items? [Check ✓ all that are YES.]	[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
✓ Seed Costs		
<input type="checkbox"/> a. Purchased seed	3338	3339
✓ Fertilizer Costs [Exclude Lime and Gypsum]		
<input type="checkbox"/> c. Fertilizer custom applications	3342	3343
<input type="checkbox"/> d. Fertilizer materials	3344	3345
✓ Chemicals/Pesticides Costs		
<input type="checkbox"/> e. Chemical/pesticides custom applications	3346	3347
<input type="checkbox"/> f. Chemical/pesticides materials	3348	3349
✓ Technical Services		
<input type="checkbox"/> g. Soil tests or plant tissue tests	3350	3351
<input type="checkbox"/> h. Scouting services	3352	3353
<input type="checkbox"/> i. Biological pest controls and their application	3354	3355
✓ Custom Field Operations and Services		
<input type="checkbox"/> k. Custom land preparation, shaping, and/or leveling	3358	3359
<input type="checkbox"/> l. Custom cultivating	3360	3361
<input type="checkbox"/> m. Custom planting and/or reseeded	3362	3363
<input type="checkbox"/> n. Custom harvesting	3364	3365
<input type="checkbox"/> o. Custom hauling	3366	3367
<input type="checkbox"/> q. Custom mechanical thinning	3370	3371
<input type="checkbox"/> r. Custom harvesting and hauling	3372	3373
<input type="checkbox"/> s. Other custom services	3374	3375
✓ Irrigation and Water Management Costs		
<input type="checkbox"/> t. Purchased irrigation water	3376	3377
<input type="checkbox"/> u. Fuel, lubrication and electricity for irrigation	3378	3379

CONCLUSION

LOCATION OF SELECTED FIELD

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

What county is the selected sugarbeet field in?

Field description

COUNTY NAME	OFFICE USE COUNTY FIPS CODE
	0010

2. [ENUMERATOR ACTION:

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

3. We will need additional information to complete this study. We will re-contact you in February or March, 2001, to collect it. I'll call you then to set up a time that's good for you.

4. Would you like to receive a copy of the results of this survey in the mail? CODE
 (Results will also be available on the Internet at <http://www.usda.gov/nass/>) YES = 1 0099

RECORDS USE

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

a. [fertilizer data?] YES = 1

b. [pesticide data?] YES = 1

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

CODE
0011
0012
0013

SUPPLEMENTS USED

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

	NUMBER
FERTILIZER APPLICATIONS	0041
PESTICIDE APPLICATIONS	0042
FIELD OPERATIONS	0043

RESPONDENT	<table border="1" style="width: 100%;"> <tr> <td>1 OPERATOR/MANAGER/PARTNER</td> </tr> <tr> <td>2 SPOUSE</td> </tr> <tr> <td>3 ACCOUNTANT/BOOKKEEPER</td> </tr> <tr> <td>4 OTHER</td> </tr> </table>	1 OPERATOR/MANAGER/PARTNER	2 SPOUSE	3 ACCOUNTANT/BOOKKEEPER	4 OTHER		CODE
	1 OPERATOR/MANAGER/PARTNER						
2 SPOUSE							
3 ACCOUNTANT/BOOKKEEPER							
4 OTHER							
Respondent's name			0101				
Phone	()						
ENDING TIME [MILITARY]			MILITARY TIME H H M M 0005				
DATE:			MM DD YY 0007 ____ _ 00				
ENUMERATOR NAME			ENUMERATOR ID 0098				
			EVALUATION 0100				