

# AGRICULTURAL RESOURCE MANAGEMENT STUDY AL POTATO PRODUCTION PRACTICES REPORT for 1999

Form Approved O.M.B. Number 0535-0218 Approval Expires 10/31/00 Project Code 906 Phase II

**Indiana State Project** 

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

**ADDRESS** 

STATE

ZIP

PHONE NUMBER

CITY

VERSION	POID	TRACT	SUBTRACT	T-TYPE	TABLE	LINE
09		00		0	000	00

202-720-7017	20200 2000	<sup>2</sup> U9				00	'		, 000	00
		CONTACT F	PECORD				R CODES			
DATE	TIN						3 - COMPLETI 5 - OUT OF SO	E COPE	0910	
							8 - REFUSAL 9 - INAC./INC	Ī		
							OPTIONAL		0002	
							OPTIONAL		0003	
INTRODUCT	I <mark>ON</mark> urself, and a	ask for the or	perator. Rep	hrase in yo	our own woi	rds.]				
We are collect possible. Aut Code. This in States. Resp	ting information wi	ation on prac llection of inf	tices to proc	duce potato	es and nee Production	ed your help Practices R	to make the i	information 7, Section	on as accur 1 2204 of th	ate as e U.S.
States. Resp	onse to this	survey is co	onfidential an	d voluntary	/.	and publish	esiimales ioi	your regi	on and the	Officea
We encourag	e you to ref	er to your fa	rm records d	uring the ir	nterview.					
1935							BEGINNING	S TINAT (	H H	M M
1900							BEGINNING [ <i>MIL</i>	ITARY]	·	
								[	SCREENIN 0006	IG BOX
								L		
					[ <i>If</i>	[ENUMERA Screening I	TOR NOTE: complete to box is not co	If Scree the Scre ded, beg	ning box is ening Supp gin with Se	code 1 element ction A.
						_		_	OFFICE	
							Complet 3 = ZERO	ion Code TARGET	8000	
Name, add	dress and p	artners verifi	ed and upda	ted if nece	ssary.]			_		
		POID					Р	OID_		
PARTNER NAME					PARTNER	NAME				
ADDRESS					ADDRESS	<u> </u>				
CITY ST	TATE	ZIP PH	ONE NUMBER		CITY	STATE	ZIP	PHONE	NUMBER	
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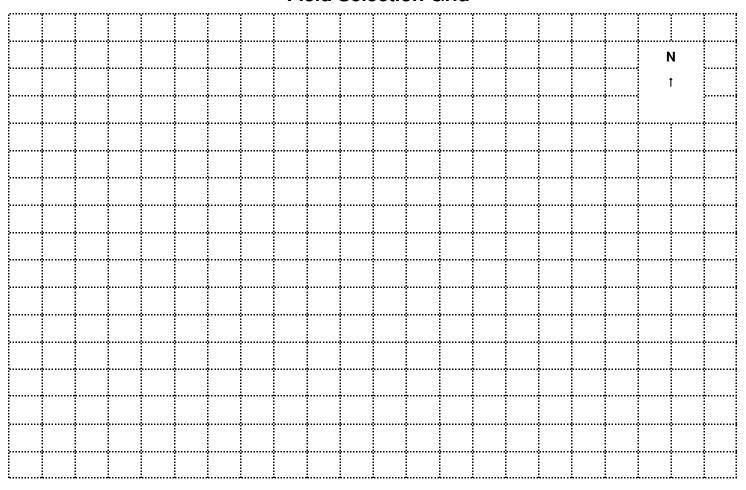
## POTATO FIELD SELECTION

-	•
1	Λ

TOTAL

1.	for the 1000 crop year?		PLANTED ACRES
	If no acres planted, review Phase I Information Form.		0019
	for the 1999 crop year?  [rack If no acres planted, review Phase I Information Form. Make notes, then go to item 3 on back page.]		•
			TOTAL NUMBER OF
			FIELDS PLANTED
2.	What is the TOTAL number of potato fields		0020
	that were planted on this operation?		
			[If only 1 field,
3.	I will follow a simple procedure to make a random selection	on from the (Itam 2)	go to item 4.]
J.	potato fields planted for the 1999 crop.	on nom the ( <u>item 2)</u>	
	, , , , , , , , , , , , , , , , , , , ,		
	Please list these fields according to identifying name/i	number or describe	
	If there are more than 18 fields make sure item 2 is <b>TOTAL</b> fields.	elds planted,	
	Please list these fields according to identifying name/seach field. Then I will tell you which field has been se  [If there are more than 18 fields make sure item 2 is TOTAL field and list only the 18 fields closest to the operator's perman.  [If respondent is unable to identify or describe the fields, use the	nent residence.] he Field Selection Grid.1	
FIE	LD NAME, NUMBER OR DESCRIPTION	FIELD NAME, NUMBER OR DESC	CRIPTION
1		10	
2		11	
3		12	
4		13	
5		14	
6		4.5	
7		16	
<u>/</u>		47	
8	<u> </u>	17	
9		<u>18</u>	
	APPLY "RANDOM NUMBER" LABEL HERE		
			SELECTED FIELD
1	[ENUMERATOR ACTION:		NUMBER
4.	Circle the pair of numbers on the above label associated with the last according to the number you circled on the label, and record the selections.		0021
5.	The field selected is ( <i>field name/number/description</i> ).  During this interview, the potato questions will be abo  [Be sure the operator can identify the selected field.]	out this selected potato field.	OFFICE LISE
			OFFICE USE OY Field Substituted
			0022

#### **Field Selection Grid**



B

	•
В	FIELD CHARACTERISTICSSELECTED FIELD

1.	How many acres of potatoes did this operation plant in this field for the 1999 crop?	1935
4.	On what date was this field planted?	MM DD YY  1942
6.	What was the seeding rate per acre the first time this field was seeded?	UNIT CODES for Seeding Rate 1=POUNDS 2=CWT. 4=BUSHELS 5=BARRELS 25=KERNELS/SEEDS
7.	Was the source of the potato seed  1   Purchased? 2  Homegrown or traded? 3  Both?	CODE  1948 - 1
10.	Has harvest of this field been completed? YES = 1	1952 - 1

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

How	many acres in the potato field e (will be)	What yield per acre did you get (do you expect to get) for	3 UNIT CODES 1=POUNDS 2=CWT 3=TONS 4=BUSHELS 5=BARRELS		
			ACRES	UNITS PER ACRE	
a.	harvested for potatoes?	1953	-1 •	1954	1955
C.	harvested for seed for planting?	1958	-1 •	1959 -1 •	1960
d.	abandoned?	1961	-1 ·	-	
e.	used for some other purpose?	1962	-1 •	-	

# C FERTILIZER and NUTRIENT APPLICATIONS---SELECTED FIELD

1.	Were commercial FERTILIZERS applifor the 1999 potato crop?	2001	02	01	
2.	[If COMMERCIAL fertilizer applied, o				
4.	Now I need to record information for	each application.			
	CHECK	LIST	- 		
i	INCLUDE	EXCLUDE	i		
	Custom applied fertilizers		ļ		
!□	Fertilizer applied in the fall of	Unprocessed manure	I	T-TYPE	TABLE
 	1998 and those applied earlier if this field was fallow in	Fertilizer applied to previous crops in this field		2	001
	1998 Commercially prepared manure		LINE 99	OFFICE USE LINES IN TABLE	0213

		2 →	<b>→ →</b>	3	4	5	6	7
LINE	[Enter p actual po a	percentage an bunds of plant poplied per acr Common Fert spondent Book	alysis or nutrients	What quantity was applied per acre?  [Leave this column blank if actual	<ul><li>1 Pounds</li><li>12 Gallons</li><li>19 Pounds of</li></ul>	When was this applied?  1 Before seeding (fall)  2 Before seeding (spring)	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	How many acres were treated in this application?
	<b>N</b> Nitrogen	P₂O₅ Phosphate	<b>K₂O</b> Potash	nutrients were reported.]	actual nutrients	<ul><li>3 At seeding</li><li>4 After seeding</li></ul>	8 Foliar or directed spray 9 Spot treatments	ACRES
01	0205	0206	0207	0208 <b>-1</b>	0209	0210 -1	0211 -1	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	TABLE	LINE
0	000	00

## C FERTILIZER and NUTRIENT APPLICATIONS---SELEC

TABLE 000 LINE 0 00

9.	Was a <b>soil test</b> performed on this field in 1998 or 1999 for the 1999 potato crop?	2012
10.	Was a <b>plant tissue test</b> performed on this field in 1998 or 1999 for the 1999 potato crop?	2013
11.	Is lime ever applied to this field? YES = 1	2014
	a. [If lime applied, ask]	YEARS
	On average, how many years are there between applications of <b>lime</b> to this field?	2015
	b. [If lime applied, ask]	TONS PER ACRE
	How many tons of <b>lime</b> were applied per acre the last time it was applied to this field?	
	the last time it was applied to this field?	-1 '
		CODE
10	Wee cultive applied to this field for the 1000 areas	2017
12.	Was sulfur applied to this field for the 1999 crop? YES = 1	POUNDS PER ACRE
	a. [If sulfur applied, ask]	2018
	How many pounds of sulfur were applied per acre?	-1 :
		CODE
		2019
13.	Was gypsum applied to this field for the 1999 crop? YES = 1	-1
14.	Were micronutrients applied to this field for the 1999 crop? YES = 1	2020
	a. [If micronutrients applied, ask]	-1
		2021
	Did the micronutrients include <b>zinc</b> ? YES = 1	-1

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

(Exclude commercially prepare	s field for the 1999 potato crop? ed manure.)		CODE
□ VEC [Enter code	d and continue		2022
<u> </u>	e 1 and continue.]		
☐ <b>NO</b> - [Go to <b>Sec</b>	uon D.]		40050
			ACRES 2023
a How many acres was ma	anure applied to?		1
a. How many dolor was me		TOTAL TONS OR	TOTAL GALLON
b. What was the total amou	nt of manure applied	2024	2025
to this field?		-1 ·	-1
	L		
	1 Dry Broadcast <i>without</i> incorporation?		CODE
	2 Dry Broadcast <i>with</i> incorporation?		2026
c. Was the manure	3 Liquid Broadcast <i>without</i> incorporation?		-1
	4 Liquid Broadcast <i>with</i> incorporation?		_
	5 Injected/knifed in?		
d. Was the major source of the manure from–	1 Beef cattle? 2 Dairy cattle? 3 Hogs? 4 Sheep? 5 Poultry? 6 Equine? 7 Biosolids (municipal sludge,food waste, et Other (Specify)?	 c.)?	2027 -1

_	_
	_

D		PESTI	CIDE AI	<u>PPLICATI</u>	ONSSEI	LECTED	FIELD	
1. Includ	ling b	oth custom app	lications and	applications ma	ide by this opera potato crop.	tion,		
							CODE	EDIT TABLE
used	on th	e potato field foi	r the 1999 cro			YES = 1	030	0301
[Probe	e for a	applications made to Section <b>E</b> .]	in the fall of 1	1998 (and those n	nade earlier if this	field was fallo	ow).]	
	<u>, 30</u>	INCLUDE	CHECK LIS		- — — — — - EXCLUDE		T-TYPE	TABLE
Defolia	ants		ecticides	. —	reported earlier	LINE	3 OFFICE USE	<b>001</b> 0319
Fungio	cides		other pesticide			99	LINES IN TABLE	
NOTES	LINE	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 ?	the total amount applied per	8 [Enter unit code.] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Ounces 30 Grams
HOILS		0305		0306	0307	0308	0309	0310
	01				-1	<u>•1</u>	<u>•</u> 1	-1
	02	0305		0306	0307	0308	0309	0310
		0305		0306	0307	0308	0309	0310
	03	0305		0306	0307	0308	0309	0310
	04	0000		0000	0007	•	•	
	05	0305		0306	0307	0308	0309	0310
	06	0305		0306	0307	0308	0309	0310
		0305		0306	0307	0308	0309	0310
	07	0305		0306	0307	0308	0309	0310
	80	0305		0306	0307	0308	0309	0310
	09					•	•	
	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 µ		ides not listed in l Pesticide Type bicide, Insecticide Fur etc.)	•	Pooklet, specify] EPA No. or Trad and Formulat	ename I ion	Form Purchase (Liquid or Dry)	[Ask or	e Purchased nly if EPA No. be reported.]

#### **APPLICATION CODES for column 9**

- 1 Broadcast, ground without incorporation 2 Broadcast, ground with incorporation 3 Broadcast, by air (*Aerial application*) 4 In seed furrow 5 In Irrigation water

- 6 Chisel/injected or knifed in 7 Banded in or over row 8 Foliar or directed spray 9 Spot treatment

LIZE	9 How was this product applied?  [Enter code from above.]	10 How many acres in this field were treated with this product?  ACRES	11 What was the number of times applied?	What was the PRIMARY target pest for this application? [Show Target Pest codes from Respondent Booklet.]	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, Family member? 2 Custom applicator? 3 Employee / Other?
01	0311	0312	0313	0314	0315	0316
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
80	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	TABLE	LINE
0	000	00

#### 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 potato crop. By pests, we mean WEEDS, INSECTS and DISEASES. 1.
- 2. Let's begin with questions about scouting this field for pests.

	1		[/f YES, ask] Who did the majority of the scouting for [column 1]	
Was	Was this potato field scouted for		<ul> <li>1 Operator, Partner or Family member?</li> <li>2 an Employee?</li> <li>3 Farm supply or Chemical dealer?</li> <li>4 Independent Crop consultant or Commercial scout?</li> </ul>	
		YES=1	CODE	
		2031	2032	
a.	weeds?	-1	-1	
		2033	2034	
b.	insects?	-1	-1	
		2035	2036	
C.	diseases?	-1	-1	

3.	[If field SCOUTED, ask]	CODE
	Were written or electronic records kept for this field to track the activity or numbers of weeds, insects or diseases? YES = 1	2037

4.			
	[Enumerator Action: Were HERBICIDES used (pesticide product codes 4000-4999), Section D, item 1 column 2?]		
	☐ YES - [Continue.] ☐ NO - [Go to item 9.]		
			CODE
E	Did you apply bankicides to this pateto field		<b>CODE</b> 2038
5.	Did you apply herbicides to this potato field BEFORE weeds emerged?	YES = 1	_1
	a. [Enumerator Action: Were PRE-EMERGENT HERBICIDES used?]	-	<u>- I</u>
	<u> </u>		
	☐ YES - [Continue.] ☐ NO - [Go to item 7.]		
6.	Did you decide to apply herbicides BEFORE weeds emerged on this potato field based on		
			2039
	a. a routine treatment for weed problems experienced in previous years?	YES = 1	- 1
	b. field mapping of previous weed problems?	YFS = 1	2040
	to more mapping or provided mode production of the control of the	0	2041
	c. recommendations from a <i>chemical dealer</i> ?	<b>YES</b> = 1	-1
			2042
	d. recommendations from an <i>independent crop consultant</i> ?	YES = 1	-1
7.	Did you apply herbicides to this potato field		2043
	AFTER weeds emerged?	YES = 1	-1
	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 potato field based on		
	on the potato held based on		2044
	a. a routine treatment?	<b>YES</b> = 1	_1
			-
			2045
	b. type and/or density of weed(s) present?	YES = 1	-1
			204512046
	b. type and/or density of weed(s) present?  c. recommendations from a <i>chemical dealer</i> ?		-1 2046 -1
	c. recommendations from a <i>chemical dealer</i> ?	YES = 1	-1
	c. recommendations from a <i>chemical dealer</i> ?	YES = 1 YES = 1	-1 2046 -1
9.	c. recommendations from a chemical dealer?  d. recommendations from an independent crop consultant?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), in Section D, item 1 column 2?]	YES = 1 YES = 1	-1 2046 -1
9.	c. recommendations from a <i>chemical dealer</i> ?	YES = 1 YES = 1	-1 2046 -1
	c. recommendations from a chemical dealer?  d. recommendations from an independent crop consultant?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), ir Section D, item 1 column 2?]  [YES - [Continue.]  NO - [Go to item 11.]	YES = 1 YES = 1	-1 2046 -1
9.	c. recommendations from a chemical dealer?  d. recommendations from an independent crop consultant?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), in Section D, item 1 column 2?]	YES = 1 YES = 1	-1 2046 -1 2047
	c. recommendations from a <i>chemical dealer</i> ?  d. recommendations from an <i>independent crop consultant</i> ?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), in Section D, item 1 column 2?]  [YES - [Continue.]  NO - [Go to item 11.]  Did you decide to apply insecticides to this potato field based on	YES = 1 YES = 1	1 2046 1 2047 1
	c. recommendations from a chemical dealer?  d. recommendations from an independent crop consultant?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), ir Section D, item 1 column 2?]  [YES - [Continue.]	YES = 1 YES = 1	1 2046 1 2047 1
	c. recommendations from a <i>chemical dealer</i> ?  d. recommendations from an <i>independent crop consultant</i> ?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), in Section D, item 1 column 2?]  [YES - [Continue.]  NO - [Go to item 11.]  Did you decide to apply insecticides to this potato field based on	YES = 1 YES = 1 YES = 1	2046 -1 2047 -1 2048 -1 2049
	c. recommendations from a chemical dealer?  d. recommendations from an independent crop consultant?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), in Section D, item 1 column 2?]  [YES - [Continue.]	YES = 1  YES = 1  YES = 1  YES = 1	2046 -1 2047 -1 2048 -1 2049 -1 2050
	c. recommendations from a chemical dealer?  d. recommendations from an independent crop consultant?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), ir Section D, item 1 column 2?]  [YES - [Continue.]	YES = 1  YES = 1  YES = 1  YES = 1	2046 -1 2047 -1 2048 -1 2049 -1 2050
	c. recommendations from a chemical dealer?  d. recommendations from an independent crop consultant?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), in Section D, item 1 column 2?]  [YES - [Continue.]	YES = 1  YES = 1  YES = 1  YES = 1	2046 -1 2047 -1 2048 -1 2049 -1 2050 -1 2051
	c. recommendations from a chemical dealer?  d. recommendations from an independent crop consultant?  [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-1999), ir Section D, item 1 column 2?]  [YES - [Continue.]	YES = 1  YES = 1  YES = 1  YES = 1	2046 -1 2047 -1 2048 -1 2049 -1 2050 -1 2051

# E PEST MANAGEMENT PRACTICES--SELECTED FIELD E OTHER PEST MANAGEMENT PRACTICES

11.	Was protection of beneficial organisms a factor in your pest control decisions for this field? YES	2053 = 1 - 1
12.	Did you use any beneficial organisms to control pests in this field? YES	2054 = 1
13.	Did you use water management practices, such as controlled drainage or irrigation scheduling to control pests in this field? [Exclude chemigation.] YES	2055 = 1
14.	Did you use tilling, chopping, mowing, burning of field edges, lanes, ditches, roadways or fence lines to control pests in this field?	2056 = 11
15.	Did you clean equipment and implements after completing field work to reduce the spread of pests from this field? YES	2057 = 11
16.	Did you cultivate this field for weed control during the growing season? YES	2058 = 1
17.	Did you consider pest resistance when selecting which variety to plant in this field? YES	2059 = 1 - 1
18.	Did you treat the seed used in this field for disease control? YES	= 1
19.	Did you adjust planting or harvesting dates to control pests? YES	
20.	Did you use soil analysis to detect the presence of soilborne pests or pathogens in this field?	2062 = 11
21.	Did you alternate pesticides (use pesticides with different mechanisms of action) to keep pests from becoming resistant to pesticides in this field? YES	2063 = 11
22.	Did you adjust row spacing or plant density to control pests in this field? YES	= 1 2064
23.	Did you rotate crops on this field during the past 3 years to control pests? YES	= 1
26.	Did you do any other type(s) of pest management to control pests in this field? YES	2069 = 1
	a. [If <b>YES</b> , ask]	
	What did you do? [List other activities.]	2070
		1
		2071
		2072

### PEST MANAGEMENT PRACTICES--SELECTED FIELD

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 potato 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	[Choose one source
3	Commercial Scouting Service	and enter code.]
4	Crop Consultant or Pest Control Advisor	 2073 - <b>1</b>
5	Other Growers or Producers	
6 7	Producer Associations, Newsletters or Trade Magazines Electronic Information Services (DTN, Internet, World Wide Web, etc.)	
8	Other - (Specify)	
9	None - Operator used no outside information source.	
ANA	GEMENT TRAINING	
		CODE
ve v	ou (the operator) attended any training session on pest	0028

#### PES

28.	Have you (the operator) attended any training session on pest identification and management since October 1, 1998? YE	:S = 1	0028 -1
29.	Have you (the operator) completed courses leading to certification for applying "Restricted Use" pesticides?	ES = 1	0029 -1 OFFICE USE 0030

## FIELD OPERATIONS --- SELECTED FIELD

			CODE	Ē
4.	Was there (will there be) a yield monitor on the equipment used to harvest this potato field?	YES = 1	2077 - <b>1</b>	
	a. [If YES, ask]			
	Was (will there be) a yield map produced from this harvest using information from the yield monitor?	YES = 1	2078 -1	
5.	Regardless of when done, has this field been soil grid-sampled and grid-mapped?		2079	
6.	Was this field remotely sensed (by airplane or satellite) and an image produced either before or during the 1999 growing season?	YES = 1	2080 <b>-1</b>	
7.	Was variable rate technology (VRT) used for		0004	
	a. fertilization or liming?		2081 -1	
	b. seeding?	YES = 1	_	
	c nesticide applications?	VEC _ 1	2083 1	

**NOTES and CALCULATIONS:** 

### CONCLUSION

LOC	ATION OF SELECTED FIELD			
1.	I need to locate the selected field on this map.	I of potatoes	COUNTY NAME	OFFICE USE COUNTY FIPS CODE
	What county is the selected pota	to field in?		0010
2.	[ENUMERATOR ACTION: Mark map to indicate where the Be sure the "X" marked on map	selected potato field is located. is in county identified above.]		CODE
3.	Would you like to receive a copy (Results will also be available on the Int	of the results of this survey in the ernet at http://www.usda.gov/nass/)	e mail? YES =	0099
REC	CORDS USE			
4.	[Did respondent use farm/ranch re	cords to report]		
	a. [fertilizer data?]		YES = 1	0011
	b. [pesticide data?]		YES = 1	0012
SUF	PPLEMENTS USED			NUMBER
5.	Record the total number of each t	type of supplement	FERTILIZER APPLICATIONS	0041
	used to complete this interview.] .	ype of supplement	PESTICIDE APPLICATIONS	0042
RES	SPONDENT	1 OPERATOR/MANAGER/PA 2 SPOUSE 3 ACCOUNTANT/BOOKKEER 4 OTHER		0101
	Respondent's name [if code 3 or 4]			
	Phone	()		
				MILITARY TIME H H M M
ENIF	DING TIME [MILITARY]			0005
LINL	JING TIME [MILITARY]			MM DD YY
DAT	E:			0007
				ENUMERATOR ID
ENU	JMERATOR NAME			
				EVALUATION 0100