

Montana Reservation Land and Native American Agricultural Survey Results



*agriculture survey
Montana
Native American
additional area segments
farm undercount*

Conducted by the:
United States Department of Agriculture
National Agricultural Statistics Service
Montana Agricultural Statistics Service
for the
Intertribal Agriculture Council

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MONTANA RESERVATION LAND AND NATIVE AMERICAN AGRICULTURE SURVEY METHODOLOGY

The National Agricultural Statistics Service (NASS), an agency within the United States Department of Agriculture (USDA), primary mission is current agriculture statistics. NASS uses area based, list based, and optimum combination multiple frame (list and area) based sampling and estimating techniques for most of the nation's current agriculture statistics programs. NASS conducted a special pilot survey for the Intertribal Agriculture Council on Native American and Reservation Land agricultural production in the State of Montana. The survey was conducted June 1-15, 1994 and all data refers to a June 1 reference date. Scientific probability-based survey methodology was used throughout the design and analysis of the survey.

NASS maintains and utilizes an area sampling frame in Montana that has different land utilization strata. For example, the strata in Montana are land areas over 50 percent cultivated, 15 - 50 percent cultivated, cities and agricultural urban areas, rangeland, grazed woods, non-grazed woods and other non-agricultural areas. The outside boundaries of the seven Native American reservations were overlaid on this area sampling frame to create a new area sampling domain for the Reservation Land survey. On the borders a 50 percent rule was used as the decision criteria to include or exclude an area frame unit from the Reservation study.

Montana Agriculture Statistics Service, the Montana field office for NASS, sends field interviewers (enumerators) to visit 362 area segments (selected parcels of land) each June to determine: the operator of each acre of land within the sampled boundaries, livestock inventories, crops grown, and utilization of other acres within the segment. This year an additional 72 samples (segments) were selected to specifically obtain information on the seven Montana Indian reservations using procedures identical to the operational program. Additional enumerators were hired for the increased workload including 7 Indian enumerators. Nearly all enumerators worked on the operational survey and assisted with the reservation land survey.

Once the Reservation Land survey area frame was constructed, 72 sample units were drawn. For these 72 sample units, all agriculture was accounted for in the June 1994 survey for both Native American and non-Native American farm operations. Due to a supporting letter from the Intertribal Agricultural Council and NASS's staff decision to drop the Social Security number request, the response rate of 91 percent for the area sample was excellent. The size of the area sample was somewhat smaller than optimum. For the major survey items, relative sampling errors (or statistical confidence levels) ranged from 5 - 25 percent. However, controls over non-sampling errors were considered to be quite good. Thus for a domain the size of the 7 reservations, the results are good. To improve them substantially would require a sample size at least four times larger with a very large respondent burden.

The area sample sizes for the operational and the reservation survey follow:

Land Use Stratum	Montana Operational Survey		Montana Reservation Land Survey	
	Population	Sample	Population	Sample
> 50% Cultivated	25,278	200	3,144	40
15-50% Cultivated	8,218	50	857	10
Ag Urban	1,347	10	88	4
Commercial	382	5	7	2
Range & Pasture land	6,715	70	756	16
Grazed Woods	772	15	1	0
Non Ag Woods	718	10	2	0
All Other Non-Ag	28	2	16	0
Total	43,458	362	4,781	72

In addition to the area sample, NASS constructed a list of the Native American farms in the State. In order to identify Native American producers, NASS supplemented its list sampling frame with lists from the Agricultural Stabilization and Conservation Service (ASCS), the Intertribal Agriculture Council (IAC) and informed individuals within each reservation. These lists were compared to the NASS list frame, and duplicates and ineligibles were removed. Of the original list of 969 names, 465 of those were eligible farm operations and the rest were not farms by the NASS definition. Large Native American farm operators were identified as having 40,000 bushels or more of grain storage capacity on their farm, 700 or more cattle, 40 or more horses, and/or 200 or more sheep. The entire list of large operators were surveyed in the June 1994 survey. There were 99 Native American farms on this list. The response rate for the large operator group was 84 percent. Data was imputed by statisticians for the non-response based upon previous size and type of operation information.

NASS has compared the June 1994 survey data to the most current or appropriate data from the Census of Agriculture (1992) and the Bureau of Indian Affairs' Natural Resources Information System (NRIS). These comparisons are provided in the data tables.

Overall the project should be considered as a major success in providing sound data on Native American agriculture in Montana. The sampling precision could have been better but control over non-sampling errors was perceived as quite good. It is most often that non-sampling errors render surveys less useful than designers hope. Thus, the overall results are encouraging and point to a serious under count of Native American farms on the current Census of Agriculture.

Table 2. LAND IN FARMS, AVERAGE SIZE OF FARMS, AND CROPLAND ACRES, MONTANA

	MONTANA Total Operations June 1, '94	RESERVATION Total June 1, '94	Native American June 1, '94	NATIVE AMERICAN 1992 Census Dec. 31, '92
	-- Acres --			
Total Acres	59,700,000	7,600,000 1/	2,600,000 1/	3,383,004
Average Size	2,584	2,621	2,889	7,849
Cropland Acres	--	2,400,000	450,000	--

1/ Reservation numbers include cropland, all grazing land, and farm woods and waste.

Table 3. ACRES ENROLLED IN USDA FARM PROGRAMS, MONTANA

	ASCS 1994	RESERVATION Total June 1, 1994	RESERVATION Native American June 1, 1994
Acreage Reduction (ARP)	--	897,000	118,000
Conservation Reserve (CRP)	2,800,000	190,000	42,000
All Other Programs	--	11,000	--

Table 4. CASH RENTS AND LAND VALUES, MONTANA

Category	MONTANA Private Land Jan. 1, '94	RESERVATION LAND Total June 1, '94	Native American June 1, '94
-- Dollars Per Acre --			
Cash Rent:			
Irrigated Cropland	\$49.70	\$34.20	\$22.30
Dryland Cropland	24.10	14.80	12.00
Pasture	6.20	6.30	6.30
Land Values:			
Farm Real Estate	\$302	\$170	\$180
Cropland:			
Irrigated	\$681	\$650	\$475
Dryland	287	250	250
Pasture	132	110	110
Woodland	--	410	410

Table 5. **GRAZING FEES, MONTANA** (Listed by order of importance)

Category	MONTANA	RESERVATION LAND	
	Private Land 1994	Total June 1, '94	Native American June 1, '94
-- Dollars --			
AUM:	\$11.80		
Patent Fee	--	\$9.90	\$9.70
Alloted	--	8.20	8.00
Tribal	--	8.50	8.20
Other	--	9.50	8.90
ACRE:			
Patent Fee	--	\$2.90	\$2.50
Alloted	--	3.60	3.80
Tribal	--	3.40	3.60
Other	--	3.10	3.30
COW/CALF:	\$13.50		
Patent Fee	--	\$13.10	\$13.10
Alloted	--	14.00	14.00
Tribal	--	8.40	7.80
Other	--	13.40	13.70
HEAD:	\$12.90		
Patent Fee	--	\$10.80	\$10.60
Alloted	--	9.10	8.90
Tribal	--	9.30	9.10
Other	--	10.50	9.90

Table 6. **ACRES OF CROPS PLANTED AND HAY HARVESTED, MONTANA 1/**

	MONTANA	RESERVATION		NATIVE AMERICAN
	Total 1994	Total June 1, '94	Native American June 1, '94	BIA/ NRIS 1993
-- Planted Acres --				
Crops (Planted):				
Small Grains:	6,976,000	947,000	205,000	193,495
Winter Wheat	1,950,000	200,000	25,000	--
Spring Wheat	3,400,000	525,000	105,000	--
Barley	1,300,000	210,000	75,000	--
Oats	146,000	12,000	--	--
Hay (Harvested):		-- Harvested Acres --		
Alfalfa Hay	1,550,000	150,000	35,000	--
Other hay	750,000	95,000	50,000	--

1/ These are estimated 1994 planted/harvested acres and do not include any acres that were fallowed during 1994.

Table 7. LIVESTOCK NUMBERS, MONTANA 1/

	MONTANA	RESERVATION		NATIVE AMERICAN
	Total	Total	Native American	BIA/ NRIS
	Jan. 1, '94	June 1, '94	June 1, '94	1993
-- Head --				
LIVESTOCK				
Cattle & Calves	2,500,000	430,000	150,000	46,353
All Cows	1,460,000	192,000	70,000	--
Beef Cows	1,438,000	190,000	70,000	--
Milk Cows	22,000	2,000	--	--
All Heifers	573,000	34,000	9,000	--
Beef Heifers	355,000	26,000	8,000	--
Milk Heifers	8,000	1,000	--	--
Other Heifers	210,000	7,000	1,000	--
Steers	260,000	16,000	2,500	--
Calves Under 500 lbs.	125,000	180,000	68,000	--
Bulls	82,000	8,000	2,500	--
Sheep & Lambs	502,000	21,000	13,600	1,154
Hogs & Pigs	180,000 2/	50,000	--	--
Horses & Ponies	--	12,500	5,000	1,584
Brood Stock	--	2,200	1,000	--
Performance	--	700	500	--
Ranch Use	--	5,100	2,100	--
Slaughter	--	800	400	--
Less than 800 lbs.	--	250	150	--
800-999 lbs.	--	210	100	--
1,000 + lbs.	--	340	150	--
All Others	--	3,700	1,000	--

1/ Care must be used in comparing the Montana Total with the Reservation numbers because of the different estimate reference dates. Calves under 500 pounds are the most glaring example.

2/ December 1, 1993

APPENDIX

Terms & Definitions

Acreage Reduction Program (ARP):	A provision under the farm program in which farmers reduce their planted acreage from their base acreage. Participation is usually required in order to participate and receive government payments in the form of deficiency payments.
Allotment:	Grazing land that is being administered on an fee per head or AUM basis by a public agency or tribe.
Allotted Land:	Individually owned trust land.
Animal Unit:	A standard measure based on feed requirements (an average daily consumption of 26 lbs. dry matter per day) used to combine various classes of livestock with size, weight, age, and use. Abbreviated AU.
Animal Unit Month:	Tenure of one AU for a period of one month. Bureau of Land Management (BLM) calls an AUM a Head Month. Abbreviated AUM.
Beef Cattle:	Any cow, heifer, bull or steer, regardless of breed, which is raised primarily for meat production for food.
Beef Cows:	Cows, regardless of breed, kept primarily to raise or nurse calves.
Brood Stock:	Horses (mares and stallions) that are mainly used for breeding purposes.
Conservation Reserve Program (CRP):	A program established in 1985 to take land prone to erosion out of production for 10 years and devote it to conserving uses. Farmers receive an annual rental payment for the contract period.
Cow/Calf:	A cow with a nursing calf. Calf is less than 6 months old.
Cropland:	Land which can produce a crop for harvest (timber is not considered a crop). Cropland includes land that is cropped, idle land suitable for cropping, land in orchards, etc. Does not include woodland, marshes, or land suitable only for pasture. Pasture is not considered a crop.
Farm:	Land under one operating arrangement on which there were or could be sales of at least \$1,000 worth of crops, livestock, poultry, or other agricultural products during the year.

Farm Operator:	The person(s) responsible for all or most of the day-to-day decisions such as planting, harvesting, feeding, or marketing for the tract or total land operated. The operator could be the owner, hired manager, cash tenant, share tenant or a partner. If land is rented or worked on shares, the tenant or renter is considered the operator.
Irrigated Land:	Land which was irrigated at least once during the growing season.
Irrigation:	Artificial watering of land by surface flooding, sprinkling, or sub-irrigation methods to stimulate plant production in place of, or in addition to, natural precipitation.
Non-Sampling Error:	In statistics, survey errors that can not be controlled by the sample design. For example, respondent misunderstands the question, reports wrong value, etc.
Patent Fee Land:	Land individually or tribally owned that is subject to real estate/property taxes. May also be known as deeded land.
Performance Horses:	Horses that are mainly used for racing, rodeo, dressage, reining, cutting, and show purposes.
Permittee:	An individual that is permitted to graze a certain number of livestock or AUM's on an allotment.
Sampling error:	Confidence level placed upon survey indications.
Tribal Land:	Land that is owned and controlled by the tribe.
Real Estate Value:	Value of farmland and buildings.
Woodland:	Land primarily in trees, which may occasionally be pastured or grazed.

1993 MONTANA NATIVE AMERICAN FARMER INFORMATION SURVEY

USDA Programs

Respondents were asked if they participated in, knew the provisions of, or had heard about different USDA programs. Respondents who indicated they participated in, or knew the provisions of, a program were also credited as having heard about the program.

Of the 19 USDA programs listed, Montana Native American farm operators reported more familiarity with all but 5 of the programs. The largest difference in familiarity was the "Special Supplemental Food Program for Women, Infants, and Children."

Operator Familiarity with USDA Programs

<u>Source</u>	% of farm operators that have heard of program	
	<u>Montana Native Americans</u>	<u>All U.S. Farmers</u>
Food Stamp Program	80	76
School Breakfast & Lunch Program	78	73
Federal Crop Insurance	75	65
Conservation Reserve Program	74	60
Agricultural Conservation Program	52	60
Acreage Reduction Program	52	59
Special Milk Program for Children	55	59
Special Supplemental Food Program for Women, Infants, and Children	76	49
Farm operating loans	46	46
Farm ownership loans	39	37
Emergency livestock assistance	54	36
Child & Adult Care Food Program	24	34
Forestry Incentives Program	22	33
Emergency Conservation Program	34	33
Summer Food Service Program for Children	43	31
Wool Incentive Program	39	27
Rural Housing Loans	35	26
Water Bank Program	34	24
Rural rental housing loans	18	14

COW-CALF: Production Costs and Returns, All Sizes of Operations, West, 1990-92

<u>Item</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>
Cash costs and returns:			
Dollars per bred cow			
Gross value of production:			
Steer calves	50.92	51.60	47.76
Heifer calves	40.94	41.61	38.71
Yearling steers	151.00	150.96	146.86
Yearling heifers	69.72	69.75	67.98
Other cattle	131.00	127.33	122.60
Total	443.58	441.25	423.91
Cash expenses:			
Feeder cattle	12.26	12.07	11.10
Feed:			
Grain	5.07	5.47	5.34
Protein supplements	18.92	18.79	19.77
By-products	3.38	3.26	3.57
Harvested forages	89.63	83.26	89.39
Pasture	108.32	97.21	106.72
Total feed costs	225.32	207.99	224.79
Other:			
Veterinary and medicine	11.80	10.72	13.18
Livestock hauling	3.47	4.52	4.47
Marketing	5.57	5.48	2.96
Custom feed mixing	0.35	0.35	0.19
Fuel, lube, electricity	15.90	16.88	15.43
Machinery and building repairs	18.96	19.83	20.28
Hired labor	36.26	37.35	39.29
Other variable cash expenses	3.76	3.85	3.96
Total, variable cash expenses	333.65	319.04	335.65
General farm overhead	39.01	31.45	31.80
Taxes and insurance	17.61	15.49	15.72
Interest	62.08	51.76	45.17
Total, fixed cash expenses	118.70	98.70	92.69
Total, cash expenses	452.35	417.74	428.34
Gross value of production less cash expenses	-8.77	23.51	-4.43
<hr/>			
<u>Item</u>	<u>1990</u>	<u>1991</u>	<u>1992</u>
Economic costs and returns:			
Dollars per bred cow			
Gross value of production:			
Steer calves	50.92	51.60	47.76
Heifer calves	40.94	41.61	38.71
Yearling steers	151.00	150.96	146.86
Yearling heifers	69.72	69.75	67.98
Other cattle	131.00	127.33	122.60
Total	443.58	441.25	423.91
Economic (full ownership) costs:			
Variable cash expenses	333.65	319.04	335.65
General farm overhead	39.01	31.45	31.80
Taxes and insurance	17.61	15.49	15.72
Capital replacement	82.73	82.65	82.38
Operating capital	18.69	13.02	8.99
Other nonland capital	30.81	32.60	34.36
Land	0.02	0.02	0.02
Unpaid labor	74.08	76.63	80.29
Total, economic costs	596.60	570.90	589.21
Residual returns to management, unpaid labor and risk	-153.02	-129.65	-165.30

Note: 1990 to 1992 estimates were based on a revised methodology and are not directly comparable with results for previous years.

SOURCE: Economic Indicators of the Farm Sector, Cost of Production, 1992 USDA, ERS



Intertribal Agriculture Council

100 North 27th Street, Suite 500, Billings, Montana 59101-2054 (406) 259-3525

May, 1994

Indian Reservation Agriculture Producers
Montana Reservations

Greetings:

If you are reading this letter it means you have been selected to assist in one of the long term goals of the Intertribal Agriculture Council - proper counting of the reservation contribution to American Agriculture.

For years the activity and contributions of American Indian farmers and ranchers have been greatly under-estimated throughout the country. A few years ago we asked the Secretary of Agriculture to tell us how many Indian farmers and ranchers were recognized by the USDA. He reported that there were only 7,000 and South Carolina had most of them. The report also listed the Wind River Reservation of Wyoming as a single farm, and stated that Indian farms are among the largest in the country. This poor information created problems when we worked on changing the USDA relationship with Indian communities through the 1990 Farm Bill.

After several years, we think we have hit upon a solution. In a cooperative agreement with the USDA and the Montana Department of Agriculture, we are so-sponsoring an in-depth survey of the Montana Reservations to gather agriculture producer statistics. This will not only indicate the value of Indian Agriculture in Montana, but will serve as a model to include all reservations nationwide. Individual data will be kept only by the Statistical Service and won't be available to Tribes, the government, or even us, so your privacy is protected.

Since USDA services and budgets are based on farm/ranch statistics on a county basis, the successful completion of this special survey should result in greatly increased attention to Native American needs by all branches of the USDA, and you should see increased support from your local offices when this data is compiled later this year.

If you have any suggestions on how this survey can be improved, please tell your surveyor, or if your want, you can call and talk to us directly at (406) 259-3525. Your assistance and cooperation is greatly appreciated and should have immediate benefits to reservation Farmers and Ranchers through improved USDA Services.

Sincerely,

Ross Racine



RESERVATION LAND SURVEY

State	Stratum	Segment
-----	-----	00000 -----

Part _____ of _____

County _____

INTRODUCTION

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

I am working on the Reservation Land Survey. This is a Montana survey where agricultural producers are asked to provide information on crops and livestock.

Authority to collect information on the Reservation Land Survey is Title 7, Section 2204 of the U. S. Code. The information will be used to prepare agricultural estimates for Montana. Individual reports are confidential. Response is voluntary.

The area of land shown on this photo (map) has been selected for this survey.

[Show respondent photo or map. Point out segment boundaries, houses and other identifying landmarks to help the respondent become familiar with the segment.]

1. On June 1, did you operate land inside these red lines?

YES

NO - *[Determine who are the tract operators inside the segment. Thank respondent and conclude interview.]*

2. What were the boundaries of land operated inside these red lines?

[Verify or draw tract boundaries in blue, then go to Item 3.]

3. Was any of this land (inside these blue lines) operated by someone else?

YES - *[Correct boundaries]*

NO

5	6	7	8	9	10	11
TRACTER	Line 1 - Full name (first, middle, last) Line 2 - Address Line 3 - City, State, Zip Code	ON TOTAL ACRES OPERATED JUNE 1 . . .				
		Is this tract public, tribal, BIA, or grazing association land used on an animal unit month (AUM) basis?	Have there been or will there be any crops, livestock (including horses), or poultry this year?	Will you sell agricultural products or receive government agricultural payments this year?	Were any crops grown during 1993 or are any crops now in storage?	Will any crops be stored before June 1, 1995?
		<input type="checkbox"/> YES-Go to column 18 and complete interview for each permittee <input type="checkbox"/> NO →	<input type="checkbox"/> YES-Go to questionnaire <input type="checkbox"/> DK-Go to questionnaire <input type="checkbox"/> NO →	<input type="checkbox"/> YES-Go to questionnaire <input type="checkbox"/> DK-Go to questionnaire <input type="checkbox"/> NO →	<input type="checkbox"/> YES-Go to questionnaire <input type="checkbox"/> DK-Go to questionnaire <input type="checkbox"/> NO →	<input type="checkbox"/> YES-Go to questionnaire <input type="checkbox"/> DK-Go to questionnaire <input type="checkbox"/> NO →
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13	15	16	17	18
Did this operation own any sheep or lambs at any time during October 1, 1993 through May 31, 1994, or does it expect to own any this year?	OFFICE	NON-AGRICULTURAL TRACTS		How many acres are used on a fee per head or animal unit month (AUM) basis? [Enter number of tract acres for allotment or permittee AUM's, and continue.]
		How many acres are inside these blue lines? [Enter acres and continue]	LAND USE [Enter land use and continue]	
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- UU - 47
- VV - 48
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- YY - 51
- ZZ - 52
- AAA - 53
- ETC.



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

U.S. Dept. of Agriculture
Rm 5809
Washington, D.C. 20250
202-720-7017

1994

RESERVATION LAND SURVEY

Form Approved
O.M.B. Number 0535-0089
Approval Expires 6/30/96

MT SPECIAL
AREA VERSION

Project Code 717

Authority for collection of information on the Reservation Land Survey is Title 7, Section 2204 of the U.S. Code. The information will be used to compile and publish agricultural estimates for Montana. Individual reports are held confidential. Response is voluntary.

Segment Number: _____ Tract Letter: _____ County: _____

State	Stratum	Segment	Tract No
_____	_____	00000	00

OFFICE USE - OPTIONAL	
407	408

0	OPERATION NAME
	LSF ID
	786

1. I need to make sure we have your (the operator's) correct name and address.

Name of Farm, Ranch, or Operation: _____

Name of Operator: _____
(First) (Middle) (Last)

Address: _____
(Route or Street)

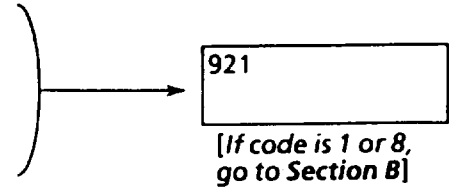
(City) (State) (Zip Code)

Phone: () - _____
(Area Code)

2	OPERATOR NAME
	LSF ID
	790

1. On June 1, were the day-to-day decisions for this tract of land made by an individual operator, by partners, or by a hired manager?

- Individual - [Enter 1]
- Partners - [Enter number of partners, including operator]
- Hired manager - [Enter 8]



[Landlord - tenant arrangements are not considered partnerships. If this tract is operated by partners, continue]

2. Do the partners share equally in day-to day decisions?

- YES - (Consider the oldest partner the operator)
- NO - (The partner who makes most of the day-to-day decisions is the operator)

[Operator shown on Face Page must be the partner making most day-to-day decisions, or be the oldest partner. Make corrections if necessary]

3. Now I need to identify, by name and address, the other partner(s) in this operation.

3			
Name _____			
<small>(First)</small>	<small>(Middle)</small>	<small>(Last)</small>	
Address _____			
<small>(Route or Street)</small>			
		Phone ()	-
<small>(City)</small>	<small>(State)</small>	<small>(Zip Code)</small>	<small>(Area Code)</small>

<small>LSF ID</small>
792 - - - - - - -

4			
Name _____			
<small>(First)</small>	<small>(Middle)</small>	<small>(Last)</small>	
Address _____			
<small>(Route or Street)</small>			
		Phone ()	-
<small>(City)</small>	<small>(State)</small>	<small>(Zip Code)</small>	<small>(Area Code)</small>

<small>LSF ID</small>
794 - - - - - - -

5			
Name _____			
<small>(First)</small>	<small>(Middle)</small>	<small>(Last)</small>	
Address _____			
<small>(Route or Street)</small>			
		Phone ()	-
<small>(City)</small>	<small>(State)</small>	<small>(Zip Code)</small>	<small>(Area Code)</small>

<small>LSF ID</small>
796 - - - - - - -

6			
Name _____			
<small>(First)</small>	<small>(Middle)</small>	<small>(Last)</small>	
Address _____			
<small>(Route or Street)</small>			
		Phone ()	-
<small>(City)</small>	<small>(State)</small>	<small>(Zip Code)</small>	<small>(Area Code)</small>

<small>LSF ID</small>
798 - - - - - - -

1. [Does the operator of this tract live inside or outside the segment?]

INSIDE - [Enter 1]

OUTSIDE - [Enter 2]



168

NOTES AND CALCULATIONS

How many acres are inside this blue tract boundary drawn on the photo (map)?

Now I would like to ask about each field inside this blue tract boundary and its use during 1994.

FIELD NUMBER	01	02	03	04	05
1. Total acres in field	828 .	828 .	828 .	828 .	828 .
2. Crop or land use [Specify.]					
3. Occupied farmstead or dwelling	843 .				
4. Woods, roads, ditches, vacant farmstead, etc.	841 .	841 .	841 .	841 .	841 .
5. Pasture Permanent - not in crop rotation	842 .	842 .	842 .	842 .	842 .
Cropland - used only for pasture	856 .	856 .	856 .	856 .	856 .
7. Idle cropland - idle all during 1994	857 .	857 .	857 .	857 .	857 .
8. Two crops planted in this field for harvest this year or two uses of the same crop? [Specify second crop or use.]	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Acres	844 .	844 .	844 .	844 .	844 .
9. Acres left to be planted?	610 .	610 .	610 .	610 .	610 .
10. Acres irrigated and to be irrigated [If double cropped, include acreage of each crop irrigated.]	620 .	620 .	620 .	620 .	620 .
11. Spring Wheat (Other than 12. Durum)	Planted and to be planted For grain	550 . 768 .	550 . 768 .	550 . 768 .	550 . 768 .
13. Durum Wheat 14.	Planted and to be planted For grain	553 . 554 .	553 . 554 .	553 . 554 .	553 . 554 .
15. Winter Wheat 16.	Planted For grain	540 . 541 .	540 . 541 .	540 . 541 .	540 . 541 .
19. Oats 20.	Planted and to be planted For grain	533 . 534 .	533 . 534 .	533 . 534 .	533 . 534 .
21. Barley 22.	Planted and to be planted For grain	535 . 536 .	535 . 536 .	535 . 536 .	535 . 536 .
23. Corn 24.	Planted and to be planted For grain	530 . 531 .	530 . 531 .	530 . 531 .	530 . 531 .
28. Other uses of grains planted (Acres abandoned, silage, etc.)	Use Acres	----- .	----- .	----- .	----- .
29. Alfalfa and alfalfa mixtures Cut and to be cut for hay	653 .	653 .	653 .	653 .	653 .
30. Hay Grain - Cut and to be cut for hay	656 .	656 .	656 .	656 .	656 .
32. Other hay - Cut and to be cut for hay [Include clover and clover mixtures, crested wheat grass, other tame hay and wild hay.]	654 .	654 .	654 .	654 .	654 .
40. Dry Edible Beans [Painto, great northern, pinks.]	607 .	607 .	607 .	607 .	607 .
41. Sugarbeets	691 .	691 .	691 .	691 .	691 .
46. Irish Potatoes	884 .	884 .	884 .	884 .	884 .
48. Other crops Acres planted or in use	----- .	----- .	----- .	----- .	----- .

SECTION D - CROPS AND LAND USE ON TRACT (continued)

					[Enter total tract acres.]				OFFICE USE - TOTAL ACRES
FIELD NUMBER	06	07	08	09	00				
1. Total acres in field	828	828	828	828	840				
2. Crop or land use [Specify.]									
4. Woods, roads, ditches, vacant farmstead, etc	841	841	841	841					
5. Pasture	Permanent - not in crop rotation	842	842	842	842				
	Cropland - used only for pasture	856	856	856	856				
7. Idle cropland - Idle all during 1994	857	857	857	857					
8. Two crops planted in this field for harvest this year or two uses of the same crop? [Specify second crop or use.]	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No				
	Acres	844	844	844	844				
9. Acres left to be planted?	610	610	610	610					
10. Acres irrigated and to be irrigated [If double cropped, include acreage of each crop irrigated.]	620	620	620	620					
11. Spring Wheat (Other than Durum)	Planted and to be planted	550	550	550	550				
12. Durum	For grain	768	768	768	768				
13. Durum Wheat	Planted and to be planted	553	553	553	553				
	For grain	554	554	554	554				
15. Winter Wheat	Planted	540	540	540	540				
	For grain	541	541	541	541				
19. Oats	Planted and to be planted	533	533	533	533				
	For grain	534	534	534	534				
21. Barley	Planted and to be planted	535	535	535	535				
	For grain	536	536	536	536				
23. Corn	Planted and to be planted	530	530	530	530				
	For grain	531	531	531	531				
28. Other uses of grains planted (Acres abandoned, silage, etc.)	Use	---	---	---	---				
	Acres								
29. Alfalfa and alfalfa mixtures	Cut and to be cut for hay	653	653	653	653				
30. Hay	Grain - Cut and to be cut for hay	656	656	656	656				
32.	Other hay - Cut and to be cut for hay [Include clover and clover mixtures, crested wheat grass, other tame hay and wild hay.]	654	654	654	654				
40. Dry Edible Beans	Planted and to be planted [Pinto, great northern, pinks.]	607	607	607	607				
41. Sugarbeets	Planted and to be planted	691	691	691	691				
46. Irish Potatoes	Planted and to be planted	884	884	884	884				
48. Other crops	Acres planted or in use	---	---	---	---				

SECTION E - TOTAL ACRES OPERATED AND LAND USE

1. Now I would like to ask about the total acres operated under this land arrangement. Include farmstead, all cropland, woodland, pastureland, wasteland, and government program land. On June 1...

- a. How many acres of patent fee or deeded tribal land did this operation own? + 907
- b. How many acres of other land did this operation own? + 909
- c. How many acres of tribal land did this operation rent? + 911
- d. How many acres of allotted land did this operation rent? + 912
- e. How many acres of all other land were rented from others? + 913
- f. How many acres did this operation use on a fee per head or animal unit month (AUM) basis, which is administered or controlled by a public agency, industrial corporation, or grazing association, BIA or Tribe? (Include privately owned or rented land administered by a public agency through exchange-of-use). + 903
- g. How many acres did this operation rent to others? - 905
- h. [Add Items 1a + 1b + 1c + 1d + 1e + 1f - 1g] Then the total acres operated under this arrangement was: = 900
Is that correct? [If not, make corrections]

i. Does this include farmstead, all cropland, woodland, pastureland, wasteland, and government program land?

- YES
- NO - [Make corrections]

801	.
-----	---

2. Of the total Item 1h acres operated, how many acres were located off the reservation?

802	.
-----	---

3. Of the total Item 1h acres operated, how many acres are considered cropland, including land in hay and cropland in government programs?

4. Of the total Item 1h acres operated, will there be any fruit, Christmas trees, canola, or mint grown this year (1994)? (Include: crops already planted and those to be planted later this year)

- YES → a. How many acres are or will be in:
- NO



- (1) Cherries? 674
- (2) Apples? 675
- (3) All other fruit? 676
- (4) Christmas trees? 677
- (5) Canola? 678
- (6) Mint? 679

5. Of the total Item 1h acres operated, are there any acres enrolled in USDA Programs?

- YES → a. How many acres are enrolled in:
- NO



- (1) Acreage Reduction Program (ARP)? 665
- (2) Conservation Reserve Program (CRP)? 666
- (3) Agriculture Conservation Program (ACP)? 667
- (4) Other (specify)? 668
- 668
- 668

SECTION F - GRAINS AND OILSEEDS IN STORAGE ON ENTIRE OPERATION

1. On June 1, what was the total storage capacity of all the bins, cribs, sheds, and other structures normally used to store whole grains or oilseeds on the total acres operated?

Bushels 808

2. Now let's account for whole grains and oilseeds on hand or stored June 1 on the total P6, ITEM 1h acres operated, whether for feed, seed, or sale. They may have belonged to you or someone else, or been stored under a government program (such as loan, farmer owned reserve, or CCC).

Include grains and oilseeds on hand or stored even if not in structures normally used for storage.

	NO	YES	
On June 1, was any whole grain corn on hand or stored on the total acres operated?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
Was any winter wheat on hand or stored on these acres?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
What about durum wheat?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
other spring wheat?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
oats?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
barley?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
flaxseed?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
canola?	<input type="checkbox"/>	<input type="checkbox"/>	How many pounds?
rapeseed?	<input type="checkbox"/>	<input type="checkbox"/>	How many pounds?

1993 and Earlier Crop Years
121
129
127
128
123
124
133
146
147

Completion Code for Item 2 ONLY	
1 - Incomplete, has stocks	141
2 - Incomplete, stocks presence unknown	
3 - Valid zero	

SECTION H - TOTAL CATTLE AND CALVES

1. On June 1, were any Cattle and Calves, regardless of ownership, on the total acres operated?
(Include Cattle and Calves owned or managed on land administered or controlled by a public agency, industrial corporation, BIA, Tribe, or grazing association on a fee per head or animal unit month (AUM) basis.)

YES - Go to Item 4 NO - Continue

2. Were any Cattle or Calves on the total acres operated, at any time, during the period of January 1, 1994 through May 31, 1994?

YES - Go to Item 7 NO - Go to Section L

4. Of the total number of Cattle and Calves on hand June 1, regardless of ownership, on the total acres operated, how many were:

a. Beef Cows, including beef heifers that had calved?	+	351
b. Milk Cows, both dry or in milk, including milk heifers that had calved?	+	352
c. Bulls weighing 500 lbs. or more?	+	353
d. Heifers that had not calved, weighing 500 lbs. or more:		
(1) For beef cow replacement?	+	354
(2) For milk cow replacement?	+	355
(3) Other heifers 500 lbs. or more?	+	356
e. Steers weighing 500 lbs. or more?	+	357
f. Heifer, steer and bull calves weighing less than 500 pounds, including newborn calves?	+	358
4. [Add Items 4a through 4f] Then the total cattle and calves on hand June 1 was:	=	350
Is that correct? [If not, make corrections]		

CALF CROP FOR 1994: *(For Items 6 through 8, include calves born on public, industrial, BIA, Tribal, or grazing association land.)*

6. Of the cows and heifers on the total acres operated on June 1, how many are expected to calve during the period June 1 through December 31, 1994?		361
7. Of the calves born on the total acres operated during the period January 1 through May 31, 1994, how many: <i>(Exclude calves purchased)</i>		
a. Were on hand June 1?	+	363
b. Were sold, moved off the total acres operated, or slaughtered before June 1?	+	364
c. Had died before June 1? <i>(Exclude calves born dead)</i>	+	365
8. [Add Items 7a + 7b + 7c] Then the total calves born January 1 through May 31, 1994 was:	=	362

GRAZING FEES:

10. In your area, what is the average charge and most commonly used method of payment for grazing on privately owned, non-irrigated grazing land?

	Dollars & Cents	Method [Check 1 box for each type of land]				
		Dollars Per Acre	Per Head Per Month	Per Animal Unit Month (AUM)	Per Cow With Nursing Calf Per Month	Don't Know
a. For Patent fee grazing land?	22 _____ . _____	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
b. Allotted grazing land?	23 _____ . _____	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
c. Tribal grazing land?	24 _____ . _____	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
d. Other grazing land?	26 _____ . _____	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8

SECTION L- OTHER AGRICULTURAL INFORMATION

1. On June 1, how many Sheep and Lambs were owned by this operation, regardless of location? 672
2. On June 1, how many Hogs and Pigs, regardless of ownership, were on the total acres operated? 659

3. On June 1, were there any Horses or Ponies, regardless of ownership, on the total acres operated? [Include Horses and Ponies owned or managed on land administered or controlled by a public agency, industrial corporation, BIA, Tribe, or grazing association on a fee per head or animal unit month (AUM) basis. Exclude donkeys, mules, and burros.]

- YES-Continue NO - Go to Section M

4. Of the total Horses and Ponies on hand June 1, how many were:
- a. Brood Stock, including brood mares and stallions? + 501
 - b. Performance Horses, including racing, rodeo, dressage, reining, cutting and show? ... + 502
 - c. Used for Ranching? + 503
 - d. Meat/canner Horses for Slaughter? + 504

Of those Meat/canner Horses for Slaughter, how many were:

- (1) Under 600 pounds? 510
- (2) 600-799 pounds? 511
- (3) 800-999 pounds? 512
- (4) 1000 pounds and over? 513

[IF NONE, go to Item 4e]

- e. All Other Horses, including outfitting, dude ranching or pleasure horses? + 505

5. [Add Items 4a through 4e] Then the total number of Horses and Ponies on hand June 1 was: = 500
Is that right? [If not, make corrections]

SECTION M - TRACT LAND VALUES AND RENTS

Now I would like to ask some questions about land market values. By "market value," I mean the value at which farm or ranch land could be sold under current market conditions.

TRACT ACRES - [Show photo or map]

1. For the land within the blue tract boundary, what was the market value per acre on June 1, 1994 of all the land, including rented land, that would be considered:

b. Non-irrigated cropland?	Dollars per acre	411
c. Irrigated cropland?	Dollars per acre	412
d. Pasture or grazing land?	Dollars per acre	413

2. Of the land within the blue tract boundary, how many acres would be considered woodland?

Acres	414	
a. What was the market value per acre of these woodland acres?	Dollars per acre	415

3. What was the total market value of all other land inside the blue tract boundary on June 1, 1994?

Total Value	416
-------------	-----

4. What was the total market value of all buildings and capital improvements inside the blue tract boundary on June 1, 1994?

Total Value	417
-------------	-----

CASH RENT PAID TO OTHERS

[Ask only if acres rented from others were reported in Section E, Questions 1c, 1d, or 1e]

5. Were you renting any of the land inside the blue tract boundary from others for cash as of June 1, 1994?

YES - [Continue] NO - [Go to Section N]

6. Considering all of the land inside the tract:
 - a. How many acres of [specify land type] were rented from others for cash?
 - b. What is the cash rent per acre for the 1994 crop year?

	Non-Irrigated Cropland	Irrigated Cropland	Pasture or Grazing Land
421	421	424	427
422	422	425	428

1. Now I would like to classify the total acres operated on June 1 in terms of total gross value of sales.
 [Be sure sales represent only 1993 and earlier years' production from acres operated in Section E, Page 6]
 [Show respondent the Sales card]

- Considering:
- Sales of all crops, livestock, poultry, and livestock products (milk, eggs, etc.) sold in 1993;
 - The Value of Product removed for all crops, livestock, and poultry produced under contract in 1993;
 - Sales of all miscellaneous agricultural products in 1993;
 - All government agricultural payments received in 1993; and
 - Landlord's share of government payments and crops sold in 1993;

OFFICE USE Total Points
861

What code represents the total gross value of sales?

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

[Enter 1 in 860 box
Record all 1993 crops, land uses, and livestock or poultry now on total acres operated, then go to Item 2]

CROP OR LAND USE	ACRES (to tenths)
	.
	.
	.
LIVESTOCK / POULTRY	NUMBER

[Enter code]

860

2. [Refer to Sales card] Of the farm income reported, which of these categories represents the largest portion of the gross income from the operation?

- 1- Cash grains (corn, small grains, dry beans, dry peas, flaxseed)
- 4 - Other field crops (hay, silage, forages, sunflowers, Irish potatoes, mint, seed crops)
- 5 - All other crops, vegetables, nuts
- 6 - Fruits (apples, cherries, grapes, and others)
- 8 - Nursery, greenhouse (cut flowers, potted plants, bedding plants, foliage plants, sod, mushrooms, and others)
- 10 - Poultry (chickens, eggs, turkeys, ducks, poultry products)
- 11 - Dairy (milk, cream, sales of dairy cows, heifers, calves and dairy bulls)
- 13 - CRP only (entire farm in Conservation Reserve Program)
- 14 - Christmas trees
- 15- Cattle and calves
- 16 - Horses and Ponies
- 17 - Other livestock (hogs, sheep, goats, wool, mohair, mules, fur bearing animals, fish bees and honey)

[Enter code]

864

3. Of the following sources of income:

- Conservation easements
- Farming/ranching
- Hunting leases
- Mining income
- Oil & gas income
- Timber harvesting

Is farming/ranching your primary source of income?

Yes = 1
 No = 2

863

SECTION N - Continued

4. During 1994, will this operation have anyone on the payroll or use any unpaid labor to do agricultural work? (Include full-time and part-time workers, paid and unpaid family members, and hired managers)

- YES DON'T KNOW
 NO

[GO TO SECTION O]

- a. What will be (was) the peak number of paid workers, including paid family members, on the payroll on any one day? 989
- b. What will be (was) the peak number of unpaid workers, including family members, on any one day? 988

SECTION O - CONCLUSION

2. Would you like to receive a copy of the results of this survey? YES = 1 NO = 3

[ENTER CODE] → 099

3. [Check type of respondent and enter code]
- Operator, Manager, or Partner = 1
 - Spouse [of Operator, Manager, or Partner] = 2
 - Accountant or Bookkeeper = 3
 - Other [Enter name below] = 4
 - Obs R = 5
 - Obs NR = 6
- 101

[Record name of respondent if Code 3 or 4 above] _____

4. What do you (the operator) consider your race or origin? [Hand respondent the Ethnic Categories card] [Check type of respondent and enter code]
- American Indian or Alaskan Native = 1
 - Asian American or Pacific Islander American = 2
 - Black, not of Spanish/Hispanic origin = 3
 - Spanish/Hispanic = 4
 - White, not of Spanish/Hispanic origin = 5
 - Other Race [Specify below] = 6
- [_____]
- 102

Enumerator: _____

Date: _____

NOTES:

Enumerator ID
098

Office Use
097

May 31-151	June 06-157	June 13-164	Julian Date 987
June 01-152	08-159	15-166	
02-153	09-160		Office Use Quality Rating 100
03-154	10-161		
04-155	11-162		
05-156	12-163		



NATIONAL
AGRICULTURAL
STATISTICS
SERVICE

U.S. Dept. of Agriculture
Rm 5809
Washington, D.C. 20250
202-720-7017

1994

RESERVATION LAND SURVEY

Authority for collection of information on the Reservation Land Survey is Title 7, Section 2204 of the U.S. Code. The information will be used to compile and publish agricultural estimates for Montana.
Individual reports are held confidential. Response is voluntary.

Form Approved
O.M.B. Number 0535-0089
Approval Expires 6/30/96

**MONTANA
AREA SUPPLEMENTAL
QUESTIONNAIRE**

Project Code 717

State	Stratum	Segment	Tract No
_____	_____	00000	____ 00

1. I need to make sure we have your (the operator's) correct name and address.

Name of
Farm, Ranch,
or Operation: _____

Name of
Operator: _____
(First) (Middle) (Last)

Address: _____
(Route or Street)

_____ *(City) (State) (Zip Code)*

Phone: () _____
(Area Code)

Office Use
097

SECTION E - TOTAL ACRES OPERATED AND LAND USE

1. Now I would like to ask you additional questions about the total acres operated under this land arrangement.

Of the total [Section E, Item 2a, Regular Area Questionnaire] acres owned on June 1, how many acres of...

- a. Patent fee or deeded tribal land did this operation own?
- b. Other land did this operation own?

907	.
909	.

2. Of the total [Section E, Item 2b, Regular Area Questionnaire] acres rented on June 1, how many acres of...

- a. Tribal land did this operation rent?
- b. Allotted land did this operation rent?
- c. Any other type of land did this operation rent from others?

911	.
912	.
913	.

3. Of the total [Section E, Item 2e, Regular Area Questionnaire] acres operated, how many acres were located off the reservation?

801	.
-----	---

4. Of the total [Section E, Item 2e, Regular Area Questionnaire] acres operated, how many acres are considered cropland, including land in hay and cropland in government programs? [Ask only if Hogs-Crops box on Page 3 of Regular Area Questionnaire is checked]

802	.
-----	---

5. Of the total [Section E, Item 2e, Regular Area Questionnaire] acres operated, will there be any fruit, Christmas trees, canola, or mint grown this year (1994)? (Include: crops already planted and those to be planted later this year)

- YES → a. How many acres are or will be in:
- NO



- (1) Cherries?
- (2) Apples?
- (3) All other fruit?
- (4) Christmas trees?
- (5) Canola?
- (6) Mint?

674	.
675	.
676	.
677	.
678	.
679	.

6. Of the total [Section E, Item 2e, Regular Area Questionnaire] acres operated, are there any acres enrolled in USDA Programs?

- YES → a. How many acres are enrolled in:
- NO



- (1) Acreage Reduction Program (ARP)?
- (2) Conservation Reserve Program (CRP)?
- (3) Agriculture Conservation Program (ACP)?
- (4) Other (specify)?

665	.
666	.
667	.
668	.
668	.
668	.

SECTION F - GRAINS AND OILSEEDS IN STORAGE ON ENTIRE OPERATION

[If Hogs-Crops box on Page 3 of Regular Area Questionnaire is checked, go to Section H]

1. On June 1, what was the total storage capacity of all the bins, cribs, sheds, and other structures normally used to store whole grains or oilseeds on the total acres operated? Bushels

808

2. Now let's account for whole grains and oilseeds on hand or stored June 1 on the total ITEM 2e, Regular Area Questionnaire acres operated, whether for feed, seed, or sale. They may have belonged to you or someone else, or been stored under a government program (such as loan, farmer owned reserve, or CCC).

Include grains and oilseeds on hand or stored even if not in structures normally used for storage.

	NO	YES	
On June 1, was any whole grain corn on hand or stored on the total acres operated?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
Was any winter wheat on hand or stored on these acres?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
What about durum wheat?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
other spring wheat?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
oats?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
barley?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
flaxseed?	<input type="checkbox"/>	<input type="checkbox"/>	How many bushels?
canola?	<input type="checkbox"/>	<input type="checkbox"/>	How many pounds?
rapeseed?	<input type="checkbox"/>	<input type="checkbox"/>	How many pounds?

1993 and Earlier Crop Years
121
129
127
128
123
124
133
146
147

Completion Code for Item 2 ONLY	
1 - Incomplete, has stocks	141
2 - Incomplete, stocks presence unknown	
3 - Valid zero	

NOTES AND CALCULATIONS

GRAZING FEES:

1. [Was Cattle reported in Section H of the Regular Area Questionnaire?]

YES-Continue NO - Go to Section L

2. In your area, what is the average charge and most commonly used method of payment for grazing on privately owned, non-irrigated grazing land?

	Dollars & Cents	Method [Check 1 box for each type of land]				
		Dollars Per Acre	Per Head Per Month	Per Animal Unit Month (AUM)	Per Cow With Nursing Calf Per Month	Don't Know
a. For Patent fee grazing land?	22 _____ . _____	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
b. Allotted grazing land?	23 _____ . _____	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
c. Tribal grazing land?	24 _____ . _____	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
d. Other grazing land?	26 _____ . _____	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8

SECTION L- OTHER AGRICULTURAL INFORMATION

1. On June 1, how many Hogs and Pigs, regardless of ownership, were on the total acres operated?

659

2. On June 1, were there any Horses or Ponies, regardless of ownership, on the total acres operated? [Include Horses and Ponies owned or managed on land administered or controlled by a public agency, industrial corporation, BIA, Tribe, or grazing association on a fee per head or animal unit month (AUM) basis. Exclude donkeys, mules, and burros.]

YES-Continue NO - Go to Section N

3. Of the total Horses and Ponies on hand June 1, how many were:

a. Brood Stock, including brood mares and stallions?	+	501
b. Performance Horses, including racing, rodeo, dressage, reining, cutting and show? ...	+	502
c. Used for Ranching?	+	503
d. Meat/canner Horses for Slaughter?	+	504

[IF NONE, go to Item 3e]

Of those Meat/canner Horses for Slaughter, how many were:

(1) Under 600 pounds?	510
(2) 600-799 pounds?	511
(3) 800-999 pounds?	512
(4) 1000 pounds and over?	513

e. All Other Horses, including outfitting, dude ranching or pleasure horses?

505

4. [Add Items 3a through 3e] Then the total number of Horses and Ponies on hand June 1 was:

Is that right? [If not, make corrections]

= 500

NOTES AND CALCULATIONS

SECTION N - ECONOMIC DATA ON ENTIRE OPERATION

1. [Was the type of farm category on Item 2, Regular Area Questionnaire coded as livestock (either codes 9 or 12)]?

- YES- Continue
- NO- Go to Item **3**

2. Of the total income reported earlier, which of the following livestock categories represent the largest portion of the gross income from the operation?

Cattle and calves	15	<input type="checkbox"/>) →	[Enter code] <div style="border: 1px solid black; padding: 5px; display: inline-block;">864</div>
Horses and ponies	16	<input type="checkbox"/>		
Other livestock (hogs, sheep, goats, wool, mohair, mules, fur bearing animals, fish bees and honey)	17	<input type="checkbox"/>		

3. Of the following sources of income:

- | | |
|------------------------|-------------------|
| Conservation easements | Mining income |
| Farming/ranching | Oil & gas income |
| Hunting leases | Timber harvesting |

Is farming/ranching your primary source of income?

<input type="checkbox"/> Yes = 1) →	<div style="border: 1px solid black; padding: 5px; display: inline-block;">863</div>
<input type="checkbox"/> No = 3		

SECTION N - Continued

4. During 1994, will this operation use any unpaid labor to do agricultural work?
(Include unpaid family members.)

YES

DON'T KNOW
 NO

) → [CONCLUDE INTERVIEW]

a. What will be (was) the peak number of unpaid workers, including family members, on any one day?

988

Enumerator: _____

Date: _____

NOTES:



**MONTANA
AGRICULTURAL
STATISTICS
SERVICE**

P.O. Box 4369
Helena, Montana 59604
406-449-5303

RESERVATION LAND STUDY

JUNE 1, 1994

Form Approved
O.M.B. Number 0535-0213
Approval Expires 1/31/96
Project Code 717

Optional	Optional
407	408

SPECIAL LIST VERSION

Dear Reporter:

Information requested in this survey is used to prepare agricultural estimates. Facts about your farm or ranch are **confidential** and used only in combination with similar reports from other producers. Response is voluntary.

Sincerely,

James K. Sands

James K. Sands
State Statistician

Stratum	ID	Tract	Subtr.

ATTEMPTED CONTACTS		
Date	Time	Notes

SECTION 1 - IDENTIFICATION

Please verify name and address of this operation. Make corrections (including the correct operation name.) on label and continue.

[Check if verified.]

1. On land operated by the farm, ranch or individual(s) listed on the label:

- a. Have or will crops (including fruits, vegetables, nursery products, etc.) be grown or hay cut at any time during 1994, or is any of the land in this operation in government programs? YES NO
- b. Have or will grains, oilseeds, or hay be stored at any time during 1994, or do you have storage facilities used for storing grain? YES NO
- c. Have or will there be any horses, mules, or other equine on this operation, regardless of ownership, at any time during 1994? YES NO
- d. Have or will there be any cattle, hogs, sheep, goats, other livestock, or poultry on this operation at any time during 1994? YES NO

→ If "NO" to all questions, go to Section 7 on Back Page.

2. Are the day-to-day decisions for this operation made by an individual, partners, or a hired manager? [Check one]

- Individual Operator
- Partners- Enter number of partners, including self
(Partners jointly operate land and share in decision making. Do not include landlords and tenants as partners.)
- Hired Manager

Office Use
R. Unit
921

Continue On Next Page

SECTION 2 - ACRES OPERATED

Now I would like to ask about the total acres operated under this land arrangement.

Total acres should include acres owned, rented from others, and grazing land used by this operation on an **Animal Unit Month (AUM)** basis that are administered or controlled by a Public Agency, Industrial Corporation or Grazing Association, but exclude acres rented to others.

		ACRES
1. On June 1:		907
a. How many acres of patent fee or deeded tribal land did this operation own?	+	909
b. How many acres of other land did this operation own?	+	911
c. How many acres of tribal land did this operation rent?	+	912
d. How many acres of allotted land did this operation rent?	+	913
e. How many acres of all other land were rented from others?	+	
f. How many acres did this operation use on a fee per head or animal unit month (AUM) basis, which are administered or controlled by a public agency, industrial corporation, grazing association, BIA, or Tribe? (Include privately owned or rented land administered by a public agency through exchange-of-use.)	+	903
g. How many acres did this operation rent to others?	-	905
2. [Add Items 1a + 1b + 1c + 1d + 1e + 1f - 1g.] Then the total acres operated under this arrangement was:	=	900
a. Does this include the farmstead, all cropland, woodland, pastureland, wasteland, and government program land?		
<input type="checkbox"/> YES - [Continue] <input type="checkbox"/> NO - [Make corrections, then continue.]		
The remaining questions in this survey refer to these (Item 2) acres.		
3. Of the total (Item 2) acres operated, how many acres were located off the reservation?		801
4. Of the total (Item 2) acres operated, how many acres are considered cropland, including land in hay and cropland in government programs?		802

Continue On Next Page

SECTION 3 - GRAINS AND OILSEEDS IN STORAGE

1. On June 1, what was the **TOTAL STORAGE CAPACITY** of all the bins, cribs, sheds, and other structures normally used to store **WHOLE GRAINS** or **OILSEEDS** on the total acres operated?..... bushels

808

Please account for whole grains and oilseeds on hand or stored June 1 on the total acres operated, whether for feed, seed, or sale. They may have belonged to you or someone else, or been stored under a government program (*loan, farmer owned reserve, or CCC*). Include whole grains and oilseeds on hand or stored, even if not in structures normally used for storage.

- | | NO | YES | |
|--|--------------------------|--------------------------|-------------------|
| 2. On June 1, was any WHOLE GRAIN CORN on hand or stored on the total acres operated? | <input type="checkbox"/> | <input type="checkbox"/> | How many bushels? |
| Was any WINTER WHEAT on hand or stored on these acres? | <input type="checkbox"/> | <input type="checkbox"/> | How many bushels? |
| What about DURUM WHEAT ? | <input type="checkbox"/> | <input type="checkbox"/> | How many bushels? |
| OTHER SPRING WHEAT ? | <input type="checkbox"/> | <input type="checkbox"/> | How many bushels? |
| OATS ? | <input type="checkbox"/> | <input type="checkbox"/> | How many bushels? |
| BARLEY ? | <input type="checkbox"/> | <input type="checkbox"/> | How many bushels? |
| FLAXSEED ? | <input type="checkbox"/> | <input type="checkbox"/> | How many bushels? |
| CANOLA ? | <input type="checkbox"/> | <input type="checkbox"/> | How many pounds? |
| RAPESEED ? | <input type="checkbox"/> | <input type="checkbox"/> | How many pounds? |

1993 and Earlier Crop Years
121
129
127
128
123
124
133
146
147

Continue On Next Page

Completion Code for Item 2 Only	
1 - Incomplete, Has Stocks	141
2 - Incomplete, Stocks Presence Unknown	
3 - Valid Zero	

SECTION 4 - CATTLE AND CALVES

1. On June 1, were any **CATTLE** and **CALVES**, regardless of ownership, on the total acres operated? (Include cattle and calves owned or managed on land administered or controlled by a public agency, industrial corporation, BIA, Tribe, or grazing association on a fee per head or animal unit month (AUM) basis.)

YES - [Continue] NO - a. Were any **CATTLE** or **CALVES** on the total acres operated, at any time, during the period of January 1, 1994 through May 31, 1994?

YES - [Go to Item **5**.] NO - [Go to Section 5 on next page.]

2. Of the total number of **CATTLE** and **CALVES** on hand June 1, regardless of ownership, on the total acres operated, how many were:

- a. **BEEF COWS**, including heifers that had calved?
- b. **MILK COWS**, both dry or in milk, including milk heifers that had calved?
- c. **BULLS** weighing 500 pounds or more?
- d. **HEIFERS** that had not calved, weighing 500 pounds or more:
 - (1) For **BEEF COW** replacement?
 - (2) For **MILK COW** replacement?
 - (3) **OTHER HEIFERS** 500 pounds or more?
- e. **STEERS** weighing 500 pounds or more?
- f. **HEIFER, STEER** and **BULL CALVES** weighing less than 500 pounds, including newborn calves?

351
352
353
354
355
356
357
358
350

3. (Add Items 2a through 2f.) Then the **TOTAL CATTLE** and **CALVES** on hand June 1 was: =

a. Is that correct? [If not, make corrections.]

CALF CROP FOR 1994 (For Items 4 through 6, include calves born on public, industrial, BIA, Tribal, or grazing association land.)

4. Of the cows and heifers on the total acres operated on June 1, how many are **EXPECTED TO CALVE** during the period June 1 through December 31, 1994?

361

5. Of the **CALVES BORN** on the total acres operated during the period January 1 through May 31, 1994, how many: (Exclude calves purchased.)

- a. Were **ON HAND** June 1?
- b. Were **SOLD, MOVED OFF** the total acres operated, or **SLAUGHTERED** before June 1?
- c. Had **DIED** before June 1? (Exclude calves born dead.)

363
364
365
362

6. (Add Items 5a through 5c.) Then the **TOTAL CALVES BORN** January 1 through May 31, 1994 was: =

GRAZING FEES

7. In your area, what is the average charge and most commonly used method of payment for grazing on privately owned, non-irrigated grazing land?

- a. For **PATENT FEE** grazing land?
- b. **ALLOTTED** grazing land?
- c. **TRIBAL** grazing land?
- d. **OTHER** grazing land?

Dollars and Cents Charged for Grazing	Method [Check one box for each type of land]				
	Per Acre	Per Head Per Month	Per Animal Unit Month	Per Cow w/Nursing Calf Per Month	Don't Know
22__ .__	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
23__ .__	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
24__ .__	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8
26__ .__	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 7	<input type="checkbox"/> 9	<input type="checkbox"/> 8

SECTION 5 - OTHER LIVESTOCK

1. On June 1, how many **SHEEP** and **LAMBS** were owned by this operation, regardless of location?

2. On June 1, how many **HOGS** and **PIGS**, regardless of ownership, were on the total acres operated?

3. On June 1, were there any **HORSES** or **PONIES**, regardless of ownership, on the total acres operated? *(Include horses and ponies owned or managed on land administered or controlled by a public agency, industrial corporation, BIA, Tribe, or grazing association on a fee per head or animal unit month (AUM) basis. Exclude donkeys, mules, and burros.)*

YES - [Continue] **NO** - [Go to Section 6.]

4. Of the total **HORSES** and **PONIES** on hand June 1, how many were:

a. Brood Stock , including brood mares and stallions?	+	501
b. Performance horses , including racing, rodeo, dressage, reining, cutting, and show?	+	502
c. Used for Ranching ?	+	503
d. Meat/canner horses for slaughter ?	+	504

[If none, go to Item 4e.]

Of those meat/canner horses for slaughter, how many were:

(1) Under 600 pounds?		510
(2) 600 - 799 pounds?		511
(3) 800 - 999 pounds?		512
(4) 1000 pounds and over?		513

e. **All Other Horses**, including outfitting, dude ranching, or pleasure horses?

5. **[Add Items 4a through 4e.]** Then the **TOTAL** number of **HORSES** and **PONIES** on hand June 1 was:

a. Is that right? *[If not, make corrections.]*

Continue On Next Page

NOTES:

SECTION 6 - PARTNER NAMES

1. Did you check partners in Section 1, Item 2, on Face Page?

YES - [Continue] NO - [Go to Section 8 on back page.]

2. Please identify the other person(s) in this partnership in boxes below, then go to Section 8 on back page.

Name _____ Phone _____
(First) (Middle) (Last)

Address _____
(Rt. or St.) (City) (State) (Zip)

Did this person operate land individually in this State on June 1, 1994? YES NO

Office Use
Stratum
925

Name _____ Phone _____
(First) (Middle) (Last)

Address _____
(Rt. or St.) (City) (State) (Zip)

Did this person operate land individually in this State on June 1, 1994? YES NO

Office Use
Stratum
926

Name _____ Phone _____
(First) (Middle) (Last)

Address _____
(Rt. or St.) (City) (State) (Zip)

Did this person operate land individually in this State on June 1, 1994? YES NO

Office Use
Stratum
927

Name _____ Phone _____
(First) (Middle) (Last)

Address _____
(Rt. or St.) (City) (State) (Zip)

Did this person operate land individually in this State on June 1, 1994? YES NO

Office Use
Stratum
928

Continue with Section 8 on Back Page.

SECTION 7 - CHANGE IN OPERATOR

1. Has this operation (*name on label*) been sold, rented out, or turned over to someone else?

YES - [Please identify the new operator(s), then go to Section 8.]

NO →

Will the land be used for any agricultural purpose by you (*the operator*) or someone else any time in the next year?

YES DON'T KNOW NO

[Regardless of the answer above, write notes, then go to Section 8.]

2. What is their name and address?

Operation Name _____
 Name _____
 Address _____
 City _____ State _____ Zip _____
 Phone _____

SECTION 8 - CONCLUSION

1. Do you (*the operator*) make any day-to-day decisions for another farm or ranch?

NO

YES - a. What is the name of the other operation(s)? _____
 [Complete a separate questionnaire for this operation.]

2. What do you (*the operator*) consider your race or origin? [Read or hand respondent the Ethnic Categories card. Check type of respondent and enter code.]

- American Indian or Alaskan Native = Code 1
- Asian American or Pacific Islander American = Code 2
- Black, not of Spanish/Hispanic origin = Code 3
- Spanish/Hispanic = Code 4
- White, not of Spanish/Hispanic origin = Code 5
- Other Race [Specify] _____ = Code 6

102

3. Would you like to receive a copy of the results of this survey?

YES = Code 1
 NO = Code 3

[Enter Code]

099

This completes the survey. Thank you for your help.

Respondent's Name _____ Date _____

Telephone (Area Code) _____ (Number) _____

Respondent		Response Code		Enum	Eval	Julian Date
1-Op/Ptnr	101	2-Tel	910	098	100	987
2-Sp		3-Int				
3-Acct/Bkpr		7-TR				
4-Oth		8-IR				
5-Est R		9-Inac				
6-Est NR						
S/E N						

May	June	June
31 - 151	04 - 155	10 - 161
	05 - 156	11 - 162
June	06 - 157	12 - 163
01 - 152	07 - 158	13 - 164
02 - 153	08 - 159	14 - 165
03 - 154	09 - 160	15 - 166

Office Use For LSF
 789