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no.
725

Profiles of Commercial Agriculture for Northeast Oregon

District 6
Union County



OSU Extension Service
Department of Geography
Oregon State University
Special Report 725

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Kevin Harrison and Kevin McCarty, Graduate Research Assistants, have been responsible for much of the data handling and analysis, as well as working closely with me on data display formatting and other aspects of the project.

I would like to thank all of these people for contributing to the project.

James R. Pease

Principal Investigator

EXPLANATORY NOTES

This survey was administered from Oregon State University, Department of Geography, for the purpose of supplementing census data on characteristics of commercial agriculture. The data for Union County should be useful for other District 6 counties in understanding the structure and characteristics of commercial agriculture. However, differences in agricultural capabilities among counties make direct extrapolations difficult. Similar surveys have been completed for six other districts in Oregon.

In Union County, 8 types of agriculture were surveyed. However, three types were dropped because of too few responses per type, and two types were combined. Data are tabulated for 4 types of agriculture.

A farm or ranch unit is defined as all lands (owned, rented, or leased) that are operated as one unit. The fields do not have to be contiguous. A farm or ranch unit is classified as a type of agriculture by 50% or more of value of products sold. If no one type contributes 50% or more, the farm is classified as general farm. The types of agriculture correspond to Standard Industrial Classification types, which are used by the U.S. Census Bureau. These types are published in the appendix.

A summary page combines all types of agriculture in the county for certain data items. This summary serves as an overview of general agricultural characteristics.

Dominant types of agriculture for the county as a whole are ranked as well as dominant types for each landform. Dominance is measured by: number of farms, number of acres, and value of products sold. The user can then select the measure of dominance most appropriate for his or her use. In determining dominance, census of agriculture numbers are used to obtain actual numbers of farms for each SIC type. These "population" numbers are multiplied by survey sample means to obtain figures for acreage and value of products sold. Since census figures do not relate SIC type to landform, the proportion of each SIC type that occurred on a given landform (e.g. bottomlands) in the sample was assumed to be the same proportion of the actual "population" which occurred on the landform.

Data are then displayed by types of agriculture. For each type, totals are given, as well as a breakdown by landforms. By keying data to landforms, the characteristics of commercial agriculture for different agricultural areas of the county can be determined. Farm units are classified by landform according to most income produced. Data item 1, for example, indicates the mean size of farm units classified on each landform, although some of the acreage may occur on another landform. Data for selected items are also displayed for size groupings, which allows comparison of characteristics among groupings.

For data item #4 (leased or rented acres) the mean was calculated by dividing total private (or public) leased or rented lands by all valid cases. The mean of private and public acres can then be added together to obtain a total average for rented or leased lands. To determine the percentage of farmland which is rented or leased, multiply the mean of data item #1 by the number of valid cases and do the same for data item #4. Then divide the total acres from data item #1 by the total acres of leased or rented lands from data item #4.

The # of respondents in data item #4 indicates how many respondents actually do rent or lease lands. To determine the mean acres of rented or leased land of this latter group, divide the total acres of leased or rented lands (obtained by multiplying the mean by the valid cases), by the # of respondents.

If data are used to calculate average net income, the user may want to adjust gross income by an asset amortization value, as well as by operating expenses. While data for asset value are given, we have not calculated an amortization value for assets or an income capitalization rate.

Data are averaged for each item, i.e., the mean is given. Also, we have given the median for each data item. The user should evaluate these two measures of the "average" for the purpose of his or her analysis.

A standard error is given for each data item which displays a mean. The standard error means that we can be 68% confident that the true mean is within a certain range of the sample mean. The range can be determined by subtracting the standard error from the sample mean to derive the lower end of the range and by adding the standard error to the mean to get the upper end. Likewise, we can be 95% confident that the true mean lies within two standard errors, and 99% confident that it lies within three standard errors. We have provided the standard error to allow the user to determine reliability of the data for his or her purposes.

The standard error will vary according to two factors: the size of the sample and the variability of the responses. The larger the sample, the smaller the standard error. Likewise, the closer together the responses, the smaller the standard error.

For some data items, a mean and standard error are not given. Instead, the number of farms in the sample must be used to evaluate the reliability of the statistic. In these items, # of farms means # of sample farms.

We surveyed 476 farmers and ranchers in Union County, which was as complete a list as we could obtain. We received a 44% overall return rate. However, 56 responses were unusable for a variety of reasons and others were dropped because of suppression criteria. We were left with 155 valid responses.

Data are suppressed ("S") for any data cell which contains less than 3 responses and for any type of agriculture with less than 5 responses.

The data base can be used for various research, educational, and public policy applications. We have selected certain types of analyses for this report. Many other types of analysis are possible on the original data base. The survey form is reproduced in back of the report. Reference to the survey form will clarify certain data items as well as suggest other types of analyses. Questions on data interpretation or special analysis requests should be addressed to Dr. James R. Pease, OSU Extension Service, Dept. of Geography, Oregon State University, Corvallis, 97331, or telephone 503-754-3141.

**SUMMARY CHARACTERISTICS OF ALL
FARMS WITH GREATER THAN \$2,500
IN GROSS ANNUAL INCOME**

Totals			Bottomlands	Terraces	Uplands - Dry Croplands	Uplands - Rangeland			
1. Size in acres (including rented and leased land)	Mean	1200.96	1142.33	870.07	844.83	3392.80			
	Med.	350.33	440.00	298.00	320.00	3000.00			
2. Annual Gross Value of Products Sold (1983)	Mean	74.91	64.16	86.92	52.56	70.17			
	Med.	32.73	30.88	34.38	31.46	30.00			
3. Percent of Leased and Rented Lands	Mean	21.53	21.38	16.96	27.62	33.63			
	Med.	.04	.14	.07	1.28	15.78			
4. Largest Field or Pasture Unit Size (in acres)	Mean	510.66	298.47	481.04	182.47	1592.86			
	Med.	150.50	158.50	120.00	86.00	1000.00			
5. Smallest Field or Pasture Unit Size (in acres)	Mean	40.60	48.26	29.44	24.44	86.21			
	Med.	14.00	20.00	14.50	6.50	17.50			
6. Percent of Farm Adjacent to Home Parcel	Mean	65.38	53.00	73.65	70.87	57.29			
	Med.	85.50	56.50	99.52	98.63	50.00			
7. Annual Expenses (1983)	Mean	62.02	54.79	76.63	38.55	51.60			
	Med.	32.68	31.67	68.74	21.07	32.50			
8. Value of Land, Bldgs., Equipment (1984)	Mean	562.81	562.22	616.20	460.00	476.54			
	Med.	410.00	417.50	397.50	341.25	313.75			
9. Landforms Producing Greatest Income	% of Farms	NA	28.6	40.7	16.4	10.7			
	% of Tot. Income	NA	25.0	47.4	11.3	10.3			
10. Size (acres) Related to Income (in thousands of dollars)	Income <10		10-19.9	20-39.9	40-99.9	100-199.9	200-349.9	350-499.9	500+
	Acres								
	Mean	251.27	735.53	423.54	1174.46	3890.29	3187.73	"S"	"S"
	Med.	90.00	227.00	235.00	480.00	1085.00	1500.00	"S"	"S"

DOMINANT TYPES OF AGRICULTURE
GREATER THAN \$2,500 IN GROSS ANNUAL INCOME

Landform	Rank	By # of Farms	By # of acres	By Value of Products Sold
TOTALS (for all landforms)	1. 2. 3. 4. 5.	Livestock Grazing Cash Grains Field Crops & General Crops* Tree Fruits Animal Husbandry	Livestock Grazing Cash Grains Field Crops & General Crops*	Cash Grains Livestock Grazing Field Crops & General Crops*
Bottomlands	1. 2. 3.	Livestock Grazing Cash Grains Field Crops & General Crops*	Cash Grains Livestock Grazing	Cash Grains Livestock Grazing Field Crops & General Crops*
Terraces	1. 2. 3. 4.	Cash Grains Livestock Grazing Field Crops & General Crops* Tree Fruits	Livestock Grazing Cash Grains Field Crops & General Crops*	Cash Grains Field crops & General Crops* Livestock Grazing Tree Fruits
Uplands - Dry Cropland	1. 2. 3. 4.	Livestock Grazing Cash Grains Field Crops & General Crops* Tree Fruits	Livestock Grazing Cash Grains Field Crops & General Crops*	Cash Grains Livestock Grazing Field Crops & General Crops
Uplands - Rangeland	1.	Livestock Grazing	Livestock Grazing	Livestock Grazing

*Note: Field crops and General crops have been combined. See page 2 for explanation of this table. Types of agriculture which account for less than 5% of totals are dropped. Low response rate of some types may affect rankings.



CASH GRAINS

Type of Agriculture _____ Cash Grains
Landform _____ Terraces
Number of Survey Responses _____ 61
Population Number (From Census Data) _____ 148

Data Item		BY LANDFORM									
		Totals	Bottomlands		Terraces		Uplands - Dry Cropland		Uplands - Rangeland		
1. Size (acres) of total farm unit (includes rented and leased lands) ¹	MEAN	999.07	1704.79		749.17		689.15		"S"		
	S.E.	305.95	938.48		178.47		242.14				
	MED.	439.50	560.00		350.00		237.00				
	VC/MC	61/0	19/0		24/0		13/0				
2. Distribution of acreage by landform ²	MEAN	N/A	580.78		491.91		437.92				
	S.E.		118.20		107.84		119.44				
	MED.		452.50		337.00		240.00				
	VC/MC		18/1		23/1		13/0				
3. Gross value of products Sold (1983) (in thousands of dollars) ³	MEAN	82.14	100.40		89.51		47.98				
	S.E.	11.46	21.16		21.79		11.36				
	MED.	67.59	70.00		68.06		32.92				
	VC/MC	59/2	19/0		23/1		13/0				
4. Leased or rented lands in acres (private and public) ⁴	MEAN	Pr. 474.80 Pu. N/C	Pr. 959.47	Pu. N/C	Pr. 186.67	Pu. N/C	Pr. 481.0	Pu. N/C	Pr. N/C	Pu. N/C	
	S.E.	281.33	891.55		78.24		209.79				
	MED.	1.51	1.82		6.00		21.43				
	VC/MC	61/0	19/0		24/0		13/0				
Number of Farms reporting leased or rented acres		23	8		9		6				
S.E. = Standard Error MED = Median VC/MC = Valid Cases/Missing Cases											

- 1 Farms are classified by landforms according to most income produced. Some acreage of a given farm may be on another landform.
- 2 Acreage under landforms includes only that portion of a farm which is on the given landforms.
- 3 Calculated by multiplying the # of farms in an income category by the mid-point of the income category.
- 4 To calculate percentage, see page 3 in explanatory notes.

Note: Data are suppressed for any data cell with less than 3 cases. (S)

Data Item		Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
5. Asset Value (1984): Land, Bldg., Equip.* (See Item 18)	MEAN	639.33	820.59	713.25	315.00	"S"
	S.E.	73.52	121.85	144.82	43.11	
	MED.	472.50	690.00	487.50	285.00	
	VC/MC	52/9	17/2	20/4	11/2	
6. Annual Expenses* (1983) (See Item 17)	MEAN	55.81	74.45	57.77	32.73	
	S.E.	7.53	15.99	12.47	7.58	
	MED.	32.75	37.71	34.50	20.75	
	VC/MC	60/1	19/0	24/0	13/0	
7. Number of fields or pasture units	MEAN	4.80	5.07	3.63	7.88	
	S.E.	.83	1.19	.59	3.82	
	MED.	2.94	3.00	3.25	2.50	
	VC/MC	45/16	15/4	19/5	8/5	
8. Largest field or pasture unit size	MEAN	287.51	213.75	405.24	223.30	
	S.E.	63.18	44.47	142.64	81.74	
	MED.	159.63	158.50	170.00	90.00	
	VC/MC	51/10	16/3	21/3	10/3	
9. Smallest field or pasture unit size	MEAN	42.13	50.62	48.50	24.22	
	S.E.	7.76	16.78	11.68	17.07	
	MED.	15.50	25.00	20.50	7.75	
	VC/MC	46/15	13/6	20/4	9/4	
10. Field Proximity** a. % of farm adjacent to home parcel	MEAN	64.92	55.63	69.21	59.77	
	S.E.	5.11	9.68	7.53	11.80	
	MED.	80.50	60.00	90.50	70.00	
	VC/MC	60/1	19/0	24/0	13/0	
b. % of farm less than 5 miles away	MEAN	23.75	38.05	18.29	20.23	
	S.E.	4.45	9.10	6.17	9.42	
	MED.	.33	34.00	1.00	1.11	
	VC/MC	60/1	19/0	24/0	13/0	
c. % of farm 5-10 miles away	MEAN	3.92	1.05	2.29	12.31	
	S.E.	1.56	1.05	1.70	5.90	
	MED.	.39	.56	.36	2.22	
	VC/MC	60/1	19/0	24/0	13/0	
d. % of farm more than 10 miles away	MEAN	7.42	5.26	10.21	7.69	
	S.E.	3.20	5.26	5.55	7.69	
	MED.	.56	2.78	1.00	4.17	
	VC/MC	60/1	19/0	24/0	13/0	

*In thousands of dollars.

**By percent of category per respondent.

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Data Item		Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
11. Livestock Inventory (1984) a. Beef Cattle	MEAN	46.00	25.00	52.46	57.00	N/C
	S.E.	12.99	7.55	20.17	37.29	↓
	MED.	18.50	22.00	18.00	12.00	↓
	VC/MC	22/39	6/13	11/13	5/8	↓
						↓
b. Sheep	MEAN	"S"	"S"	"S"	N/C	↓
	S.E.					↓
	MED.					↓
	VC/MC					↓
c. Horses	MEAN	4.77	4.75	5.11	4.67	"S"
	S.E.	.62	1.49	.84	1.76	
	MED.	4.08	4.00	4.33	4.00	
	VC/MC	17/44	4/15	9/15	3/10	
d. Dairy	MEAN	N/C	N/C	N/C	N/C	N/C
	S.E.					↓
	MED.					↓
	VC/MC					↓
e. Other Livestock (goats, chickens, hogs)	MEAN	53.50	N/C	12.75	"S"	↓
	S.E.	31.30		9.17		↓
	MED.	8.00		4.00		↓
	VC/MC	6/55		4/20		↓
12. Percent of sample farms & income, by landform	# of farms	61	19	24	13	"S"
	% of farms	100.0	31.1	39.3	21.3	
	% of total income	100.0	39.4	42.5	12.9	
13. Type of Market (by % of product sold per respondent)		Broker	Auction	Coop. or Assoc.	Direct Sales	Other
	MEAN	61.37	3.90	29.97	4.56	N/C
	S.E.	5.56	1.29	5.37	2.01	↓
	MED.	89.75	.71	1.10	.14	↓
	VC/MC	60/1	59/2	59/2	59/2	↓
14. Distance to Market (miles one way)	MEAN	56.13	18.00	28.04	20.63	↓
	S.E.	14.55	3.38	11.11	13.07	↓
	MED.	10.00	12.50	9.90	5.00	↓
	VC/MC	39/22	12/49	26/35	8/53	↓

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Data Item		County	Other In-State	Out-of- State	Other Country	Don't Know	
15. Processing Location (by % of product per respondent)	MEAN	14.35	21.42	3.55	13.60	48.04	
	S.E.	4.14	4.68	1.95	4.14	6.46	
	MED.	.21	.31	.31	.33	45.00	
	VC/MC	55/6	55/6	55/6	55/6	56/5	
16. Market Openness (by sample farms)		Very Limited		Somewhat Limited		Open	Don't Know
	#	N/C		15		26	13
	%			27.8		48.1	24.1
17. Annual Expenses: (1983) (in thousands of dollars)		Energy (fuel, electricity)	Labor (ex. operator)	Repairs & Maintenance	Taxes & Insurance	Interest on Equipment & Loans	
	MEAN	6.14	7.86	4.92	5.71	6.59	
	S.E.	1.29	2.12	.68	1.28	2.17	
	MED.	3.84	2.19	3.89	3.47	2.44	
	VC/MC	59/2	51/10	57/4	59/2	44/17	
		Replace Mach./Equip.	Replace Inventory	Fertilizer & Chemicals	Animal Expenses	Rented or Leased Lands	
	MEAN	9.34	3.38	13.10	3.05	5.52	
	S.E.	2.12	.39	2.28	.66	1.28	
	MED.	3.60	2.57	7.39	1.94	3.30	
	VC/MC	50/11	48/13	58/3	37/24	30/31	
		Miscellaneous	Interest on real estate loans		Total		
	MEAN	4.05	10.18		55.81		
	S.E.	.68	2.52		7.53		
	MED.	2.83	4.50		32.75		
	VC/MC	51/10	40/21		60/11		
18. Asset Value (1984) (in thousands of dollars)		Land (ex. leased or rented land)	Buildings (ex. home)	Machinery (new or used)	Start Up Inventory & Land Prep		
	MEAN	425.80	62.04	143.64	66.60		
	S.E.	47.51	8.31	23.97	13.14		
	MED.	364.62	46.82	92.50	36.43		
	VC/MC	56/5	54/7	55/6	47/14		

Data Item

19. Farm size and % by gross income group (1983) (in thousands of dollars)		< 10	10-19.9	20-39.9	40-99.9	100-199.9	200-349.9	350-499.9	500+
	% of farms	18.0	9.8	16.4	32.8	13.1	8.2	1.6	N/C
	% of total income	1.1	1.9	6.2	28.9	24.8	28.4	8.8	
	Size (ac):								
	MEAN	321.64	143.67	255.60	779.15	3211.13	2083.00	"S"	
	S.E.	107.99	21.11	28.96	174.89	2133.23	778.07		
	MED.	120.00	123.00	236.00	485.00	925.00	1200.00	↓	↓
	VC/MC	11/0	6/0	10/0	20/0	8/0	5/0		

OPINION QUESTIONS

20.	Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
a. Minimum size needed for an economic unit (in acres)	MEAN 680.59	650.00	640.95	955.00	"S"
	S.E. 81.52	78.93	75.03	359.50	
	MED. 504.17	660.00	507.50	420.00	
	VC/MC 51/10	16/3	21/3	10/3	
b. Minimum gross income needed for an economic unit*	MEAN 97.59	102.67	92.73	114.50	
	S.E. 13.53	19.33	21.50	40.71	
	MED. 61.20	75.00	62.50	62.50	↓
	VC/MC 51/10	15/4	22/2	10/3	

21. CONCERNS OF RESPONDENTS

Rank	Concerns
1	Increase Exports
2	Marketing Assistance
3	Technical Farm Practice Assistance
4	Business Management Assistance
5	Conflicts with Urban and Residential Uses
6	Credit Availability
7	More Land
8	Other

*In thousands of dollars

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SELECTED DATA BY SIZE GROUPINGS

Data Item		0-319 Acres	320-999 Acres	1000+ Acres			
1. Size of total farm unit (includes rented and leased lands)	MEAN	158.48	586.05	2978.27			
	S.E.	16.08	44.95	1116.06			
	MED.	160.50	560.00	1400.00			
	VC/MC	25/0	21/0	15/0			
2. Gross Value of Products Sold (1983)*	MEAN	26.15	94.28	160.08			
	S.E.	4.35	14.32	30.52			
	MED.	18.65	73.56	128.75			
	VC/MC	25/0	19/2	15/0			
3. Percent of leased or rented lands (private and public)	MEAN	Pri. 3.83	Pub. N/C	Pri. 23.93	Pub. N/C	Pri. 37.58	Pub. N/C
	S.E.	2.36		7.13		10.04	
	MED.	.70		.49		40.28	
	VC/MC	25/0		21/0		15/0	
4. Value of investment in Land, Buildings, Machinery and Equipment (1984)*	MEAN	289.32	776.47	1052.31			
	S.E.	30.02	96.08	198.96			
	MED.	262.50	685.00	935.00			
	VC/MC	22/3	17/4	13/2			
5. Annual Expenses (1983)*	MEAN	23.78	54.95	110.33			
	S.E.	3.95	8.95	20.77			
	MED.	19.25	36.25	73.13			
	VC/MC	25/0	20/1	15/0			
6. Contribution to Total Ag. Type Sales	By %	13.5	37.0	49.5			

*In thousands of dollars



FIELD CROPS

GENERAL CROPS

Type of Agriculture Field Crops & General Crops
Landform¹ Terraces
Number of Survey Responses 26
Population Number (From Census Data) 70

Data Item		BY LANDFORM									
		Totals	Bottomlands		Terraces		Uplands - Dry Cropland		Uplands - Rangeland		
1. Size (acres) of total farm unit (includes rented and leased lands) ¹	MEAN	700.42	360.80		743.44		1078.00		N/C		
	S.E.	163.20	192.89		202.76		663.01				
	MED.	246.00	145.00		301.50		204.00				
	VC/MC	26/0	5/0		16/0		4/0				
2. Distribution of acreage by landform ²	MEAN	N/A	256.80		465.75		517.67				
	S.E.		138.61		101.95		227.36				
	MED.		130.00		301.50		500.00				
	VC/MC		5/0		16/0		3/1				
3. Gross value of products Sold (1983) (in thousands of dollars) ³	MEAN	74.35	33.50		96.64		43.33				
	S.E.	17.02	14.99		24.62		13.33				
	MED.	33.50	15.00		67.81		40.00				↓
	VC/MC	25/1	5/0		16/0		3/1				
4. Leased or rented lands in acres (private and public) ⁴	MEAN	Pr. 193.4 Pu. N/C	Pr. 156.40 Pu. N/C		Pr. 207.81 Pu. N/C		Pr. "S" Pu. N/C		Pr. N/C Pu. N/C		
	S.E.	72.9 ↓	138.40 ↓		99.69 ↓		↓		↓		↓
	MED.	2.6 ↓	33.00 ↓		13.61 ↓		↓		↓		↓
	VC/MC	26/0 ↓	5/0 ↓		16/0 ↓		↓		↓		↓
Number of Farms reporting leased or rented acres		11	3		7						

S.E. = Standard Error

MED = Median

VC/MC = Valid Cases/Missing Cases

- 1 Farms are classified by landforms according to most income produced. Some acreage of a given farm may be on another landform.
- 2 Acreage under landforms includes only that portion of a farm which is on the given landforms.
- 3 Calculated by multiplying the # of farms in an income category by the mid-point of the income category.
- 4 To calculate percentage, see page 3 in explanatory notes.

Note: Data are suppressed for any data cell with less than 3 cases. (S)

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OSU Extension Service

Data Item		Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
5. Asset Value (1984): Land, Bldg., Equip.* (See Item 18)	MEAN	555.68	242.50	603.21	702.50	N/C
	S.E.	99.03	63.00	125.08	306.33	
	MED.	397.50	192.50	397.50	467.50	
	VC/MC	22/4	4/1	14/2	4/0	
6. Annual Expenses* (1983) (See Item 17)	MEAN	73.42	29.40	97.63	45.00	
	S.E.	15.77	11.08	23.42	14.43	
	MED.	38.75	23.13	65.33	45.00	
	VC/MC	26/0	5/0	16/0	4/0	
7. Number of fields or pasture units	MEAN	23.00	5.67	28.00	13.67	
	S.E.	15.61	4.18	21.49	1.86	
	MED.	6.50	2.00	6.17	15.00	
	VC/MC	22/4	3/2	16/0	3/1	
8. Largest field or pasture unit size	MEAN	184.26	116.25	238.27	49.75	
	S.E.	47.25	43.66	67.98	12.13	
	MED.	86.00	92.50	100.00	39.00	
	VC/MC	23/3	4/1	15/1	4/0	
9. Smallest field or pasture unit size	MEAN	16.73	23.50	17.29	8.00	
	S.E.	3.45	11.36	4.13	5.40	
	MED.	10.50	11.00	13.50	2.50	
	VC/MC	22/4	4/1	14/2	4/0	
10. Field Proximity** a. % of farm adjacent to home parcel	MEAN	66.08	39.20	72.31	85.00	
	S.E.	6.86	19.46	7.63	11.90	
	MED.	66.50	30.00	75.50	95.00	
	VC/MC	26/0	5/0	16/0	4/0	
b. % of farm less than 5 miles away	MEAN	19.42	33.20	15.88	2.50	
	S.E.	5.28	14.88	5.85	2.50	
	MED.	1.10	34.00	1.20	1.67	
	VC/MC	26/0	5/0	16/0	4/0	
c. % of farm 5-10 miles away	MEAN	8.42	20.00	4.31	12.50	
	S.E.	4.35	20.00	2.38	12.50	
	MED.	.12	12.50	.12	8.33	
	VC/MC	26/0	5/0	16/0	4/0	
d. % of farm more than 10 miles away	MEAN	5.00	2.00	7.50	.00	
	S.E.	2.27	2.00	3.53	0.00	
	MED.	.60	1.25	.83	0.00	
	VC/MC	26/0	5/0	16/0	4/0	

*In thousands of dollars.

**By percent of category per respondent

District 6, Union Co. 1984
OSU Extension Service

Data Item		Totals		Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
11. Livestock Inventory (1984)	a. Beef Cattle	MEAN	47.60	45.00	46.56	"S"	N/C
		S.E.	8.12	17.16	12.21		
		MED.	58.00	58.00	28.00		
		VC/MC	15/11	3/2	9/7		
	b. Sheep	MEAN	53.33	"S"	"S"	N/C	
		S.E.	19.65				
		MED.	65.00				
		VC/MC	3/23				
	c. Horses	MEAN	3.00		3.14	"S"	
		S.E.	.63		.83		
		MED.	2.33		2.75		
		VC/MC	11/15		7/9		
	d. Dairy	MEAN	"S"		"S"	N/C	
		S.E.					
		MED.					
		VC/MC					
	e. Other Livestock	MEAN	N/C	N/C	N/C		
		S.E.					
		MED.					
		VC/MC					
12. Percent of sample farms & income, by landform	# of farms	26	5	16	4		
	% of farms	100.0	19.2	61.5	15.4		
	% of total income	100.0	9.0	83.2	7.0		
13. Type of Market (by % of product sold per respondent)		Broker	Auction	Coop. or Assoc.	Direct Sales	Other	
	MEAN	44.36	16.04	14.79	22.71	5.42	
	S.E.	7.01	5.70	4.26	7.05	4.30	
	MED.	48.67	.33	1.79	2.12	1.36	
	VC/MC	25/1	25/1	24/2	24/2	24/2	
14. Distance to Market (miles one way)	MEAN	38.88	13.67	10.78	48.43	N/C	
	S.E.	20.86	2.59	2.53	27.20		
	MED.	7.13	13.00	7.00	15.00		
	VC/MC	17/9	9/17	9/17	7/19		

District 6, Union Co. 1984
OSU Extension Service

Data Item		County	Other In-State	Out-of- State	Other Country	Don't Know
15. Processing Location (by % of product per respondent)	MEAN	37.50	10.79	8.33	2.08	41.29
	S.E.	9.35	5.06	4.37	2.08	9.82
	MED.	8.33	.66	1.00	1.00	.42
	VC/MC	24/2	24/2	24/2	24/2	24/2
16. Market Openness (by sample farms)		Very Limited	Somewhat Limited		Open	Don't Know
	#	"S"	11		10	3
	%		42.3		38.5	11.5
17. Annual Expenses: (1983) (in thousands of dollars)		Energy (fuel, electricity)	Labor (ex. operator)	Repairs & Maintenance	Taxes & Insurance	Interest on Equipment & Loans
	MEAN	8.67	5.44	5.67	3.30	5.57
	S.E.	2.99	1.21	1.10	.39	1.26
	MED.	3.00	2.50	4.13	3.14	3.00
	VC/MC	26/0	25/1	24/2	25/1	22/4
		Replace Mach./Equip.	Replace Inventory	Fertilizer & Chemicals	Animal Expenses	Rented or Leased Lands
	MEAN	9.05	4.14	14.44	2.56	11.75
	S.E.	3.32	1.15	6.35	.52	4.72
	MED.	3.00	2.36	4.31	1.90	3.00
	VC/MC	22/14	22/4	25/1	24/2	16/10
		Miscellaneous	Interest on real estate loans		Total	
	MEAN	2.73	10.83		73.42	
	S.E.	.43	2.23		15.77	
	MED.	2.20	11.00		38.75	
	VC/MC	22/4	20/6		26/0	
18. Asset Value (1984) (in thousands of dollars)		Land (ex. leased or rented land)	Buildings (ex. home)	Machinery (new or used)	Start Up Inventory & Land Prep	
	MEAN	371.25	68.48	95.63	49.13	
	S.E.	76.05	15.74	20.32	9.52	
	MED.	205.00	52.78	59.29	33.75	
	VC/MC	24/2	23/3	24/2	23/3	

Data Item

19. Farm size and % by gross income group (1983) (in thousands of dollars)		<10	10-19.9	20-39.9	40-99.9	100-199.9	200-349.9	350-499.9	500+
% of farms		15.4	19.2	19.2	26.9	7.7	11.5	N/C	N/C
% of total income		1.1	4.0	8.1	26.4	16.1	44.4		
Size (ac):									
MEAN		135.75	172.80	904.20	679.71	"S"	1350.00		
S.E.		26.77	33.05	542.88	275.81		86.60		
MED.		136.50	200.00	298.00	352.50		1350.00	↓	↓
VC/MC		4/0	5/0	5/0	7/0		3/0		

OPINION QUESTIONS

20.	Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
a. Minimum size needed for an economic unit (in acres)	MEAN 725.00 S.E. 164.05 MED. 510.00 VC/MC 18/8	400.00 62.72 420.00 4/1	872.73 260.39 590.00 11/5	616.67 72.65 600.00 3/1	N/C ↓
b. Minimum gross income needed for an economic unit*	MEAN 120.35 S.E. 27.20 MED. 75.00 VC/MC 17/9	72.75 18.89 56.50 4/1	140.45 40.34 100.00 11/5	"S" ↓	↓

21. CONCERNS OF RESPONDENTS

Rank	Concerns
1	Increase Exports
2	Marketing Assistance
3	Technical Farm Practice Assistance
4	Business Management Assistance
5	Credit Availability
6	Conflicts with Urban and Residential Uses
7	More Land
8	Other

*In thousands of dollars

District 6, Union Co.
OSU Extension Service

SELECTED DATA BY SIZE GROUPINGS

Data Item		0-159 Acres	160-499 Acres	500+ Acres			
1. Size of total farm unit (includes rented and leased lands)	MEAN	110.50	256.09	1636.78			
	S.E.	12.93	21.20	266.34			
	MED.	121.00	227.00	1350.00			
	VC/MC	6/0	11/0	9/0			
2. Gross Value of Products Sold (1983)*	MEAN	13.13	45.50	147.22			
	S.E.	3.80	8.35	35.04			
	MED.	10.63	37.50	140.00			
	VC/MC	6/0	10/1	9/0			
3. Percent of leased or rented lands (private and public)	MEAN	Pri. 3.79	Pub. N/C	Pri. 17.19	Pub. N/C	Pri. 43.84	Pub. N/C
	S.E.	3.79		9.53		14.37	
	MED.	2.28		3.27		26.67	
	VC/MC	6/0		11/0		9/0	
4. Value of investment in Land, Buildings, Machinery and Equipment (1984)*	MEAN	241.00	343.75	918.89			
	S.E.	40.60	43.34	180.71			
	MED.	265.00	267.50	630.00			
	VC/MC	5/1	8/3	9/0			
5. Annual Expenses (1983)*	MEAN	29.92	45.86	136.11			
	S.E.	9.06	7.39	36.92			
	MED.	26.25	37.19	86.67			
	VC/MC	6/0	11/0	9/0			
6. Contribution to Total Ag. Type Sales	By %	4.2	24.5	71.3			

*In thousands of dollars



LIVESTOCK GRAZING

Type of Agriculture _____ Livestock Grazing
Landform¹ _____ Uplands - Rangeland
Number of Survey Responses _____ 43
Population Number (From Census Data) _____ 207

Data Item	Totals		BY LANDFORM							
			Bottomlands		Terraces		Uplands - Dry Cropland		Uplands - Rangeland	
1. Size (acres) of total farm unit (includes rented and leased lands) ¹	MEAN	1926.41	739.43		1688.00		1083.75		3661.85	
	S.E.	506.01	292.62		1338.24		584.53		1018.97	
	MED.	421.00	261.00		115.00		387.50		3500.00	
	VC/MC	42/1	14/1		11/0		4/0		13/0	
2. Distribution of acreage by landform ²	MEAN	N/A	149.21		380.27		397.50		2900.31	
	S.E.		50.19		180.41		131.43		914.03	
	MED.		62.50		65.00		360.00		1200.00	
	VC/MC		14/1		11/0		4/0		13/0	
3. Gross value of products Sold (1983) (in thousands of dollars) ³	MEAN	46.69	32.33		45.23		14.38		74.42	
	S.E.	10.22	10.66		24.17		5.60		23.04	
	MED.	15.00	10.08		9.90		10.63		30.00	
	VC/MC	43/0	15/0		11/0		4/0		13/0	
4. Leased or rented lands in acres (private and public) ⁴	MEAN	Pr. 806.84 Pu. 237.21	Pr. 195.00	Pu. "S"	Pr. 406.91	Pu. "S"	Pr. "S"	Pu. N/C	Pr. 2014.	Pu. "S"
	S.E.	311.57 232.48	134.18	↓	359.76	↓	↓	↓	910.4	↓
	MED.	5.00 1.50	1.67	↓	2.50	↓	↓	↓	1000.	↓
	VC/MC	43/0 43/0	15/0	↓	11/0	↓	↓	↓	13/0	↓
Number of Farms reporting leased or rented acres		22 3	6	↓	5	↓	↓	↓	9	↓
S.E. = Standard Error		MED = Median		VC/MC = Valid Cases/Missing Cases						

- 1 Farms are classified by landforms according to most income produced. Some acreage of a given farm may be on another landform.
2 Acreage under landforms includes only that portion of a farm which is on the given landforms.
3 Calculated by multiplying the # of farms in an income category by the mid-point of the income category.
4 To calculate percentage, see page 3 in explanatory notes.

Note: Data are suppressed for any data cell with less than 3 cases. (S)

Data Item		Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
5. Asset Value (1984): Land, Bldg., Equip.* (See Item 18)	MEAN	474.61	371.43	560.50	660.00	477.27
	S.E.	80.62	95.40	223.04	373.73	127.95
	MED.	267.50	285.00	175.00	340.00	265.00
	VC/MC	38/5	14/1	10/1	3/1	11/2
6. Annual Expenses* (1983) (See Item 17)	MEAN	47.51	40.67	57.00	23.13	54.89
	S.E.	9.75	17.59	25.76	3.13	13.55
	MED.	20.55	20.00	12.75	22.08	34.38
	VC/MC	43/0	15/0	11/0	4/0	13/0
7. Number of fields or pasture units	MEAN	21.94	58.10	6.78	3.33	5.00
	S.E.	16.74	53.57	2.44	.88	1.38
	MED.	3.50	2.83	3.75	3.00	4.00
	VC/MC	32/11	10/5	9/2	3/1	10/3
8. Largest field or pasture unit size	MEAN	1061.14	472.17	1338.25	153.33	1692.33
	S.E.	401.95	173.91	1238.34	37.68	827.32
	MED.	215.00	182.50	33.00	160.00	1000.00
	VC/MC	35/8	12/3	8/3	3/1	12/1
9. Smallest field or pasture unit size	MEAN	59.91	55.10	12.11	57.33	104.09
	S.E.	17.38	24.35	6.27	46.62	43.43
	MED.	14.00	14.00	4.75	20.00	20.00
	VC/MC	33/10	10/5	9/2	3/1	11/2
10. Field Proximity** a. % of farm adjacent to home parcel	MEAN	61.67	51.13	79.82	98.25	46.00
	S.E.	6.54	12.19	9.17	1.75	12.15
	MED.	86.00	40.50	97.08	98.83	27.50
	VC/MC	42/1	15/0	11/0	4/0	12/1
b. % of farm less than 5 miles away	MEAN	6.17	4.67	4.91	0.00	11.25
	S.E.	2.72	4.67	3.61	0.00	6.86
	MED.	.24	2.50	1.31	0.00	1.25
	VC/MC	42/1	15/0	11/0	4/0	12/1
c. % of farm 5-10 miles away	MEAN	19.19	33.87	15.27	0.00	10.83
	S.E.	5.34	11.43	9.13	0.00	7.12
	MED.	.45	.88	3.75	0.00	1.67
	VC/MC	42/1	15/0	11/0	4/0	12/1
d. % of farm more than 10 miles away	MEAN	12.98	10.33	0.00	1.75	31.92
	S.E.	4.73	6.87	0.00	1.75	12.83
	MED.	.68	.63	0.00	1.17	2.50
	VC/MC	42/1	15/0	11/0	4/0	12/1

*In thousands of dollars.

**By percent of category per respondent

District 6, Union Co. 1984
OSU Extension Service

Data Item		Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
11. Livestock Inventory (1984)	a. Beef Cattle	MEAN	136.85	95.80	123.00	47.50
		S.E.	27.29	33.80	50.27	12.47
		MED.	45.33	40.00	45.00	32.00
		VC/MC	39/4	15/0	9/2	4/0
	b. Sheep	MEAN	64.00	"S"	"S"	"S"
		S.E.	17.08			
		MED.	55.00			
		VC/MC	8/35			
	c. Horses	MEAN	5.75	4.14	8.00	
		S.E.	1.04	1.44	3.61	
		MED.	4.17	2.25	6.00	
		VC/MC	20/23	7/8	3/8	
	d. Dairy	MEAN	"S"	"S"	N/C	"S"
		S.E.				
		MED.				
		VC/MC				
	e. Other Livestock (goats & yearlings)	MEAN	14.33			
		S.E.	12.84			
		MED.	2.00			
		VC/MC	3/40			
12. Percent of sample farms & income, by landform	# of farms	43	15	11	4	13
	% of farms	100.0	34.9	25.6	9.3	30.2
	% of total income	100.0	24.2	24.8	2.9	48.2
13. Type of Market (by % of product sold per respondent)		Broker	Auction	Coop. or Assoc.	Direct Sales	Other
	MEAN	9.45	68.53	9.61	10.00	N/C
	S.E.	3.65	5.37	3.78	3.48	
	MED.	.16	75.50	.67	.23	
	VC/MC	38/5	40/3	38/5	38/5	
14. Distance to Market (miles one way)	MEAN	51.89	22.68	16.14	104.33	
	S.E.	27.55	3.12	3.17	50.75	
	MED.	15.00	19.71	14.25	150.00	
	VC/MC	9/34	37/6	7/36	3/40	

District 6, Union Co. 1984
OSU Extension Service

Data Item		County	Other In-State	Out-of- State	Other Country	Don't Know
15. Processing Location (by % of product per respondents)	MEAN	15.43	17.70	18.75	3.13	42.63
	S.E.	4.74	4.81	5.30	1.98	7.63
	MED.	.54	1.35	1.20	.56	2.26
	VC/MC	40/3	40/3	40/3	40/3	40/3
16. Market Openness (by sample farms)		Very Limited	Somewhat Limited		Open	Don't Know
	#	7	7		18	9
	%	17.1	17.1		43.9	22.0
17. Annual Expenses: (1983) (in thousands of dollars)		Energy (fuel, electricity)	Labor (ex. operator)	Repairs & Maintenance	Taxes & Insurance	Interest on Equipment & Loans
	MEAN	4.01	4.84	3.49	3.20	6.32
	S.E.	.94	1.38	.67	.52	1.55
	MED.	2.22	2.04	2.17	2.28	2.35
	VC/MC	40/3	34/9	42/1	41/2	36/7
		Replace Mach./Equip.	Replace Inventory	Fertilizer & Chemicals	Animal Expenses	Rented or Leased Lands
	MEAN	4.65	9.16	7.12	4.15	2.90
	S.E.	1.86	3.99	2.61	.76	.45
	MED.	2.20	2.48	2.11	2.48	2.05
	VC/MC	37/6	38/5	38/5	43/0	30/13
		Miscellaneous	Interest on real estate loans	Total		
	MEAN	3.21	8.03	47.51		
	S.E.	.67	1.51	9.75		
	MED.	1.90	4.50	20.55		
	VC/MC	38/5	37/6	43/01		
18. Asset Value (1984) (in thousands of dollars)		Land (ex. leased or rented land)	Buildings (ex. home)	Machinery (new or used)	Start Up Inventory & Land Prep	
	MEAN	307.25	79.61	74.75	112.24	
	S.E.	52.08	22.14	12.64	25.26	
	MED.	135.00	49.44	49.00	40.00	
	VC/MC	40/3	38/5	40/3	38/5	

Data Item

19. Farm size and % by gross income group (1983) (in thousands of dollars)	% of farms % of total income Size (ac): MEAN S.E. MED. VC/MC	≤10	10-19.9	20-39.9	40-99.9	100-199.9	200-349.9	350-499.9	500+
		41.9	16.3	11.6	16.3	9.3	4.7	N/C	N/C
		4.5	5.2	7.5	24.4	29.9	27.4		
		237.06	1321.29	533.60	3404.17	6325.00	"S"		
		74.10	535.84	209.46	1323.80	1922.83			
		79.00	750.00	260.00	1612.50	3600.00			
		18/0	7/0	5/0	6/1	4/0			

OPINION QUESTIONS

20.	Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
a. Minimum size needed for an economic unit (in acres)	MEAN 1650.63 S.E. 431.25 MED. 760.00 VC/MC 32/11	1064.44 343.85 700.00 9/6	1174.00 481.59 430.00 10/1	566.67 120.19 500.00 3/1	2980.00 1194.69 1050.00 10/3
b. Minimum gross income needed for an economic unit*	MEAN 93.47 S.E. 15.08 MED. 55.00 VC/MC 33/10	99.80 30.76 53.50 10/5	104.90 33.58 52.50 10/1	30.00 15.28 20.00 3/1	94.75 20.58 86.25 10/3

21. CONCERNS OF RESPONDENTS

Rank	Concerns
1	Marketing Assistance
2	Increase Exports
3	Credit Availability
4	Business Management Assistance
5 & 6	Conflicts with Urban and Residential Uses; More Land
7	Technical Farm Practice Assistance
8	Other

*In thousands of dollars

District 6, Union Co.
OSU Extension Service

SELECTED DATA BY SIZE GROUPINGS

Data Item		0-319 Acres	320-999 Acres	1000+ Acres			
1. Size of total farm unit (includes rented and leased lands)	MEAN	90.06	547.64	4896.27			
	S.E.	18.36	69.48	1053.62			
	MED.	61.00	449.00	3500.00			
	VC/MC	16/1	11/0	15/0			
2. Gross Value of Products Sold (1983)*	MEAN	14.71	22.39	100.75			
	S.E.	4.12	7.42	22.91			
	MED.	8.07	12.08	71.09			
	VC/MC	17/0	11/0	15/0			
3. Percent of leased or rented lands (private and public)		Pri.	Pub.	Pri.	Pub.		
	MEAN	21.90	5.88	19.53	N/C	37.18	4.72
	S.E.	15.76	5.88	8.68		9.09	4.43
	MED.	.84	3.13	15.39		26.67	.32
	VC/MC	17/0	17/0	11/0		15/0	15/0
4. Value of investment in Land, Buildings, Machinery and Equipment (1984)*	MEAN	218.13	501.50	794.17			
	S.E.	44.71	214.78	129.74			
	MED.	150.00	285.00	780.00			
	VC/MC	16/1	10/1	12/3			
5. Annual Expenses (1983)*	MEAN	16.88	33.96	92.17			
	S.E.	4.19	12.78	21.92			
	MED.	11.63	20.00	68.96			
	VC/MC	17/0	11/0	15/0			
6. Contribution to Total Ag. Type Sales	By %	12.5	12.3	75.3			

*In thousands of dollars



TREE FRUITS

Type of Agriculture _____ Tree Fruits
Landform¹ _____ Terraces
Number of Survey Responses _____ 6
Population Number (From Census Data) _____ 34

Data Item	Totals	BY LANDFORM							
		Bottomlands		Terraces		Uplands - Dry Cropland		Uplands - Rangeland	
1. Size (acres) of total farm unit (includes rented and leased lands) ¹	MEAN 108.17	"S"		105.00		"S"		N/C	
	S.E. 41.67	↓		47.92		↓		↓	
	MED. 27.50	↓		27.50		↓		↓	
	VC/MC 6/0	↓		4/0		↓		↓	
2. Distribution of acreage by landform ²	MEAN N/A	↓		77.50		↓		↓	
	S.E.	↓		42.06		↓		↓	
	MED.	↓		27.50		↓		↓	
	VC/MC	↓		4/0		↓		↓	
3. Gross value of products Sold (1983) (in thousands of dollars) ³	MEAN 32.71	↓		30.00		↓		↓	
	S.E. 8.41	↓		0.00		↓		↓	
	MED. 30.00	↓		30.00		↓		↓	
	VC/MC 6/0	↓		4/0		↓		↓	
4. Leased or rented lands in acres (private and public) ⁴	Pr. N/C	Pr. N/C	Pu. N/C	Pr. N/C	Pu. N/C	Pr. N/C	Pu. N/C	Pr. N/C	Pu. N/C
	MEAN N/C	↓	↓	↓	↓	↓	↓	↓	↓
	S.E.	↓	↓	↓	↓	↓	↓	↓	↓
	MED.	↓	↓	↓	↓	↓	↓	↓	↓
Number of Farms reporting leased or rented acres	VC/MC	↓	↓	↓	↓	↓	↓	↓	↓
		↓	↓	↓	↓	↓	↓	↓	↓

S.E. = Standard Error

MED = Median

VC/MC = Valid Cases/Missing Cases

1 Farms are classified by landforms according to most income produced. Some acreage of a given farm may be on another landform.

2 Acreage under landforms includes only that portion of a farm which is on the given landforms.

3 Calculated by multiplying the # of farms in an income category by the mid-point of the income category.

4 To calculate percentage, see page 3 in explanatory notes.

Note: Data are suppressed for any data cell with less than 3 cases. (S)

Data Item		Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
5. Asset Value (1984): Land, Bldg., Equip.* (See Item 18)	MEAN	300.00	"S"	298.75	"S"	N/C
	S.E.	61.56	↓	62.63		
	MED.	255.00		277.50		
	VC/MC	6/0		4/0		
6. Annual Expenses* (1983) (See Item 17)	MEAN	52.50		60.63	N/C	
	S.E.	10.90	↓	9.38		
	MED.	65.83		63.75		
	VC/MC	5/1		4/0		
7. Number of fields or pasture units	MEAN	"S"	N/C	"S"		
	S.E.				↓	
	MED.					
	VC/MC					
8. Largest field or pasture unit size	MEAN	52.50		45.00	"S"	
	S.E.	14.51	↓	17.56		
	MED.	32.50		30.00		
	VC/MC	4/2		3/1		
9. Smallest field or pasture unit size	MEAN	10.00		"S"		
	S.E.	3.61	↓			
	MED.	12.00				
	VC/MC	3/3				
10. Field Proximity** a. % of farm adjacent to home parcel	MEAN	85.33	"S"	98.00		
	S.E.	13.13		2.00		
	MED.	98.00		98.67		
	VC/MC	6/0		4/0		
b. % of farm less than 5 miles away	MEAN	14.67		2.00		
	S.E.	13.13		2.00		
	MED.	2.00		1.33		
	VC/MC	6/0		4/0		
c. % of farm 5-10 miles away	MEAN	0.00		0.00		
	S.E.	0.00		0.00		
	MED.	0.00		0.00		
	VC/MC	6/0		4/0		
d. % of farm more than 10 miles away	MEAN	0.00		0.00		
	S.E.	0.00	↓	0.00	↓	↓
	MED.	0.00		0.00		
	VC/MC	6/0		4/0		

*In thousands of dollars.

**By percent of category per respondent

District 6, Union Co. 1984
OSU Extension Service

Data Item		Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
11. Livestock Inventory (1984)	a. Beef Cattle	MEAN	"S"	N/C	"S"	N/C
		S.E.	↓	↓	↓	↓
		MED.	↓	↓	↓	↓
		VC/MC	↓	↓	↓	↓
	b. Sheep	MEAN	↓	N/C	"S"	↓
		S.E.	↓	↓	↓	↓
		MED.	↓	↓	↓	↓
		VC/MC	↓	↓	↓	↓
	c. Horses	MEAN	N/C	↓	N/C	↓
		S.E.	↓	↓	↓	↓
		MED.	↓	↓	↓	↓
		VC/MC	↓	↓	↓	↓
	d. Dairy	MEAN	↓	↓	↓	↓
		S.E.	↓	↓	↓	↓
		MED.	↓	↓	↓	↓
		VC/MC	↓	↓	↓	↓
	e. Other Livestock	MEAN	↓	↓	↓	↓
		S.E.	↓	↓	↓	↓
		MED.	↓	↓	↓	↓
		VC/MC	↓	↓	↓	↓
12. Percent of sample farms & income, by landform	# of farms	6	"S"	4	"S"	↓
	% of farms	100.0		66.7		
	% of total income	100.0		61.1		
13. Type of Market (by % of product sold per respondent)		Broker	Auction	Coop. or Assoc.	Direct Sales	Other
	MEAN	65.83	N/C	16.67	.83	16.67
	S.E.	20.83	↓	16.67	.83	16.67
	MED.	97.50	↓	10.00	.50	10.00
	VC/MC	6/0	↓	6/0	6/0	6/0
14. Distance to Market (miles one way)	MEAN	43.67	↓	"S"	N/C	"S"
	S.E.	38.26	↓			
	MED.	10.00	↓			
	VC/MC	3/3	↓			

District 6, Union Co. 1984
OSU Extension Service

Data Item		County	Other In-State	Out-of- State	Other Country	Don't Know
15. Processing Location (by % of product per respondent)	MEAN	.17	40.83	30.67	0.00	11.67
	S.E.	.17	19.25	17.75	0.00	11.67
	MED.	.10	22.50	7.00	0.00	7.00
	VC/MC	6/0	6/0	6/0	6/0	6/0
16. Market Openness (by sample farms)		Very Limited	Somewhat Limited		Open	Don't Know
	#	"S"	3		"S"	N/C
	%		50.0		16.7	
17. Annual Expenses: (1983) (in thousands of dollars)		Energy (fuel, electricity)	Labor (ex. operator)	Repairs & Maintenance	Taxes & Insurance	Interest on Equipment & Loans
	MEAN	2.10	9.40	2.70	2.10	3.50
	S.E.	.60	3.54	1.20	.60	1.00
	MED.	1.88	10.00	2.25	1.88	3.75
	VC/MC	5/1	5/1	5/1	5/1	3/3
		Replace Mach./Equip.	Replace Inventory	Fertilizer & Chemicals	Animal Expenses	Rented or Leased Lands
	MEAN	2.10	1.50	2.10	"S"	N/C
	S.E.	.60	0.00	.60		
	MED.	1.88	1.50	1.88		
	VC/MC	5/1	4/2	5/1		
		Miscellaneous	Interest on real estate loans	Total		
	MEAN	5.00	4.50	52.50		
	S.E.	3.50	1.23	10.90		
	MED.	4.13	4.50	65.83		
	VC/MC	3/3	4/2	6/0		
18. Asset Value (1984) (in thousands of dollars)		Land (ex. leased or rented land)	Buildings (ex. home)	Machinery (new or used)	Start Up Inventory & Land Prep	
	MEAN	180.00	69.17	50.83	51.67	
	S.E.	44.91	28.74	16.40	29.94	
	MED.	160.00	55.00	40.00	26.67	
	VC/MC	6/0	6/0	6/0	6/0	

19. Farm size and % by gross income group (1983) (in thousands of dollars)		<10	10-19.9	20-39.9	40-99.9	100-199.9	200-349.9	350-499.9	500+
% of farms		16.7	N/C	66.7	16.7	N/C	N/C	N/C	N/C
% of total income		2.5		61.1	35.7				
Size (ac):									
MEAN		"S"		105.00	"S"				
S.E.				47.92					
MED.			↓	27.50		↓	↓	↓	↓
VC/MC				4/0					

OPINION QUESTIONS

20.		Totals	Bottomlands	Terraces	Uplands - Dry Cropland	Uplands - Rangeland
a. Minimum size needed for an economic unit (in acres)	MEAN	94.00	N/C	102.50	"S"	N/C
	S.E.	19.90		23.23		
	MED.	100.00		110.00		
	VC/MC	5/1		4/0		
b. Minimum gross income needed for an economic unit*	MEAN	120.30		125.38		
	S.E.	51.30		65.91		
	MED.	100.00	↓	74.25	↓	↓
	VC/MC	5/1		4/0		

21. CONCERNS OF RESPONDENTS

Rank	Concerns
1	Marketing Assistance
2	Increase Exports
3	Business Management Assistance
4 & 5	Technical Farm Practice Assistance & More Land
6 & 7	Credit Availability & Other
8	Conflicts with Urban & Rural Uses

*In thousands of dollars



APPENDIX

AGRICULTURAL SURVEY

1. ☐ If the addressee is deceased or no longer farming, please check this box and return the survey in the envelope provided. **DO NOT COMPLETE THE REST OF THIS FORM.**

2. Please indicate which ONE of the following agriculture types best represents your operation. If your production occurs in more than one type, choose the type which contributes 50% or more of your total sales. (CHECK ONE)

- ☐ CASH GRAINS (wheat, barley, pea (dry field and seed), oats, field corn, etc.)
☐ FIELD CROPS (seed crops, potato, hay, etc.)
☐ TREE FRUITS (orchards)
☐ INTENSIVE ANIMAL HUSBANDRY (feedlots, swine, poultry, etc.)
☐ LIVESTOCK GRAZING (cattle, sheep, horses, etc.)
☐ BERRIES, GRAPES, AND VEGETABLES (green peas, sweet corn, asparagus, cukes, onions, etc.)
☐ DAIRIES
☐ GENERAL FARMS, PRIMARILY CROP (check if no other type produces 50% of farm sales)

3. ☐ How many acres do you operate (including land rented or leased from others)?
☐ How many of these acres, if any, are rented or leased from a PUBLIC AGENCY? (including grazing allot.)
☐ How many of these acres, if any, are rented or leased from PRIVATE PARTIES?

4. About how many head of livestock did you have in inventory in 1984 as of July 1?

☐ BEEF CATTLE (Count cow & calf as 1 unit) ☐ DAIRY CATTLE ☐ SHEEP
☐ HORSES ☐ OTHER (SPECIFY)

5. Listed below are the major landforms in Union County. Please indicate the number of acres in each landform for your farm or ranch (including rented or leased land).

- A. (# ACRES) Bottomlands - flooding (10 year flood plain)
 Grande Ronde Valley
- B. (# ACRES) Terraces and Alluvial Fans - nonflooding (ALSO CHECK ONE OF THE FOLLOWING)
 ☐ Grande Ronde Valley ☐ North Powder Valley
- C. (# ACRES) Uplands - Dry Cropland (ALSO CHECK ONE OF THE FOLLOWING)
 ☐ Cricket Flat ☐ North Powder ☐ Telocaset
 ☐ Medical Springs ☐ Valley Foothills
- D. (# ACRES) Uplands - Rangelands, Timber/Grazing (ALSO CHECK ONE OF THE FOLLOWING)
 ☐ Starkey Area ☐ Medical Springs/Telocaset ☐ Elgin Area

6. Which of the landforms listed in question 5 produces the most income for your farm or ranch? (CHECK ONE)

☐ A ☐ B ☐ C ☐ D

7. Acreage operated may be located any number of miles from a "home" farm or ranch. Using your home farm or ranch as the starting point, please indicate what percentage of your operation falls in each of the categories listed below. (Include land owned and land leased or rented from others).

☐ % HOME FARM OR RANCH
☐ % NOT ADJACENT BUT LESS THAN FIVE MILES
☐ % FIVE TO TEN MILES
☐ % MORE THAN TEN MILES
☐ 100%

8. # How many fields or pasture units separated by natural barriers, topography, roads, or ownership do you operate (owned or leased)? (Fields separated only by a fence = one field)
 How many acres does your largest field or pasture unit contain (owned or leased)?
 How many acres does your smallest field or pasture unit contain (owned or leased)?

9. In 1983, what was the GROSS value of total income from your farm or ranch operation? (CHECK ONE)
 (Include sales, PIK and other govt. programs, deficiency and storage payments, etc.) All Responses Are Kept Completely Confidential.

☐ LESS THAN \$2,500 ☐ \$20,000 to \$39,999 ☐ \$200,000 to \$349,999
☐ \$2,500 to \$9,999 ☐ \$40,000 to \$99,999 ☐ \$350,000 to \$499,999
☐ \$10,000 to \$19,999 ☐ \$100,000 to \$199,999 ☐ \$500,000 OR MORE

10. In 1983, about how much did you spend for each of the following items? (Check the appropriate box)

	Less than \$2,999	\$3,000-\$5,999	\$6,000-\$8,999	\$9,000-\$14,999	\$15,000-\$24,999	\$25,000-\$39,999	\$40,000-\$99,999	\$100,000-\$199,999	\$200,000-\$349,999	\$350,000 or more
HIRED LABOR (and related costs)										
REPAIRS AND MAINTENANCE										
INTEREST ON EQUIPMENT AND OPERATING LOANS (exclude loans for real estate)										
INTEREST ON REAL ESTATE LOANS										
RENT OR LEASE OF LANDS										
ANIMAL EXPENSES (health costs; breeding; feed)										
INVENTORY REPLACEMENT (livestock; seeds; plants)										
FERTILIZERS AND CHEMICALS										
ENERGY (fuel, electricity)										
PROPERTY TAXES AND PROPERTY INSURANCE										
REPLACEMENT OF EQUIPMENT; MACHINE HIRE										
MISCELLANEOUS (supplies; storage; freight; trucking)										
TOTAL EXPENSES										

11. How open or limited is the market to the purchase of products from new farm or ranch operations of your type as checked in question 2?

☐ VERY LIMITED ☐ OPEN
☐ SOMEWHAT LIMITED ☐ DON'T KNOW

12. For the following questions, how much do you think you would need to spend, at a minimum, to buy a farm or ranch operation similar to yours in today's market?

CONSIDER THE FOLLOWING CATEGORIES AND CHECK THE APPROPRIATE BOX:

	Less than \$19,999	\$20,000-\$39,999	\$40,000-\$69,999	\$70,000-\$99,999	\$100,000-\$149,999	\$150,000-\$249,999	\$250,000-\$499,999	\$500,000-\$699,999	\$700,000-\$999,999	\$1,000,000 or more
LAND (exclude leased or rented lands)										
BUILDINGS (excluding home)										
MACHINERY & EQUIPMENT (new and used)										
START UP INVENTORY AND LAND PREPARATION (livestock, irrigation, drainage, etc.)										
TOTAL COSTS										

13. Please indicate what percentage of your products is sold by you to the following and give the distance in miles one way from your farm or ranch to that outlet.

	PERCENT %	DISTANCE (miles, one way)
BROKER, PROCESSOR, WAREHOUSE (includes contract sales).....	_____	_____
AUCTION.....	_____	_____
MARKETING ASSOCIATION OR CO-OP.....	_____	_____
DIRECT TO CONSUMER (private sales, U-Pick).....	_____	_____
OTHER MEANS, SPECIFY _____	_____	_____
TOTAL	100%	

14. For the locations listed below, please indicate what percentage of your production (in dollar value) is processed (for example, packaged, slaughtered, etc.) in each:

	PERCENT %
IN THE COUNTY.....	_____
OTHER IN STATE LOCATIONS.....	_____
ANOTHER STATE.....	_____
ANOTHER NATION.....	_____
DON'T KNOW.....	_____
TOTAL	100%

15. Based on your experience, what do you think is the minimum size needed for an economic unit of your type of agriculture? _____ (ac) What do you think is the minimum gross income needed to operate an economic unit of your type of agriculture? \$ _____

16. As you consider your concerns with making your operation a more profitable venture, please indicate your concerns by checking H for High Concern; M for Moderate Concern; N for No Concern.

H	M	N

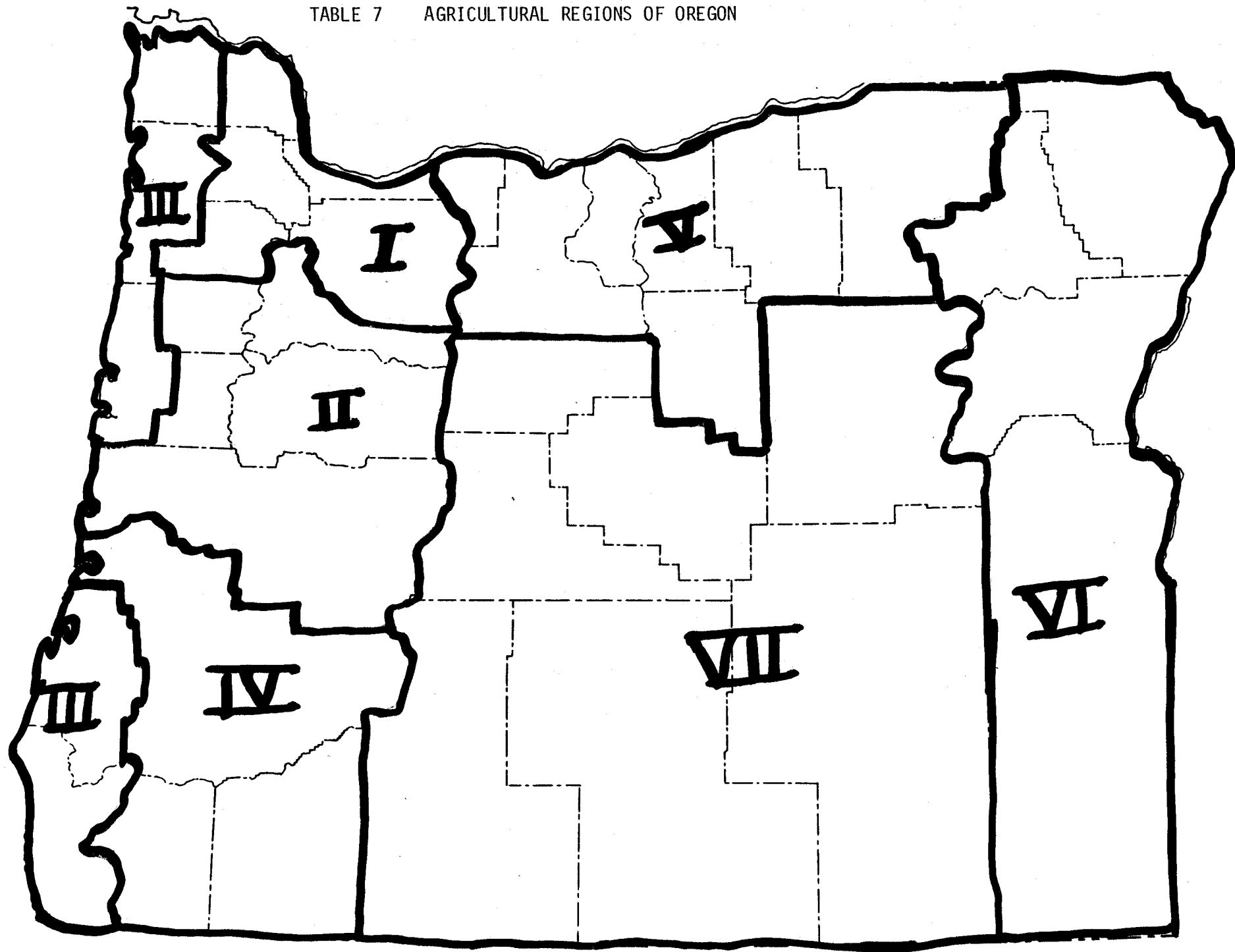
TECHNICAL FARM PRACTICE ASSISTANCE
BUSINESS MANAGEMENT ASSISTANCE
MARKETING KNOW-HOW ASSISTANCE
INCREASE EXPORTS

H	M	N

CONFLICTS WITH URBAN AND RESIDENTIAL USES
MORE AVAILABLE LAND FOR PURCHASE OR LEASE
CREDIT AVAILABILITY
OTHER

Thanks for your cooperation!
We'll send you a summary of results.

TABLE 7 AGRICULTURAL REGIONS OF OREGON



Districts 1

Columbia
Washington
Yamhill
Clackamas
Multnomah

District 2

Polk
Lane
Linn
Marion
Benton

District 3

Clatsop
Coos
Curry
Lincoln
Tillamook

District 4

Douglas
Josephine
Jackson

District 5

Hood River
Wasco
Sherman
Umatilla
Gilliam
Wheeler
Morrow

District 6

Union
Wallowa
Baker
Malheur

District 7

Lake
Deschutes
Jefferson
Harney
Klamath
Crook
Grant

SOURCE: EXECUTIVE OFFICE OF PRESIDENT
OFFICE OF MANAGEMENT & BUDGET
STATISTICAL POLICY DIVISION

STANDARD INDUSTRIAL CLASSIFICATION

Major Group 01.—AGRICULTURAL PRODUCTION—CROPS

The Major Group as a Whole

This major group includes establishments (farms, orchards, greenhouses, nurseries, etc.) primarily engaged in the production of crops or plants, vines and trees (excluding forestry operations). This major group also includes establishments primarily engaged in the operation of sod farms, mushroom cellars, cranberry bogs, and in the production of bulbs, flower seeds, and vegetable seeds.

An establishment primarily engaged in crop production (Major Group 01) is classified in the industry (4-digit) and industry group (3-digit) which accounts for 50 percent or more of the total value of sales for its agricultural production. If the total value of sales for agricultural products of an establishment is less than 50 percent from a single 4-digit industry, but 50 percent or more of the value of sales for its agricultural products derives from the products of two or more 4-digit industries within the same 3-digit industry group, the establishment is classified in the miscellaneous industry of that industry group; otherwise, it is classified as a general crop farm in Industry 0101.

Group Industry
No. No.

011 CASH GRAINS

0111 Wheat

Establishments primarily engaged in the production of wheat.

Wheat farms

0112 Rice

Establishments primarily engaged in the production of rice.

Rice farms

0115 Corn

Establishments primarily engaged in the production of corn for grain. Establishments primarily engaged in the production of sweet corn are classified in Industry 0101.

Corn farms (field corn)

0116 Soybeans

Establishments primarily engaged in the production of soybeans.

Soybean farms

0119 Cash Grains, Not Elsewhere Classified

Establishments primarily engaged in the production of cash grains, not elsewhere classified. This industry also includes establishments deriving 50 percent or more of their total value of sales of agricultural products from cash grains (Industry Group 011), but less than 50 percent from products of any single industry.

Barley farms
Bean (dry field and seed) farms
Buckwheat farms
Cash grain farms: except wheat, rice,
corn, and soybeans
Cowpea farms
Emmer farms
Feed grain farms
Flaxseed farms
Grain farms: except wheat, rice, corn,
and soybeans

Lentil farms
Mustard seed farms
Oat farms
Pea (dry field and seed) farms
Popcorn farms
Rye farms
Safflower farms
Sorghum (except for sirup) farms

013 FIELD CROPS, EXCEPT CASH GRAINS

0131 Cotton

Establishments primarily engaged in the production of cotton and cottonseed.

Cotton farms

Cottonseed farms

AGRICULTURE, FORESTRY, AND FISHING

Group Industry
No. No.

013 FIELD CROPS, EXCEPT CASH GRAINS—Continued

0132 Tobacco

Establishments primarily engaged in the production of tobacco.

Tobacco farms

0133 Sugar Crops

Establishments primarily engaged in the production of sugarcane and sugar beets.

Beet (sugar) farms
Cane (sugar) farms

Sugar beet farms
Sugarcane farms

0134 Irish Potatoes

Establishments primarily engaged in the production of Irish potatoes.

Potato (Irish) farms

0139 Field Crops, Except Cash Grains, Not Elsewhere Classified

Establishments primarily engaged in the production of field crops, except cash grains, not elsewhere classified. This industry also includes establishments deriving 50 percent or more of their total value of sales of agricultural products from field crops except cash grains (Industry Group 013), but less than 50 percent from products of any single industry.

Alfalfa farms
Broomcorn farms
Clover farms
Field crop farms: except cotton, tobacco, potato, sugar, and cash grain
Flax farms, except for flaxseed

Hay farms
Hop farms
Mint farms
Peanut farms
Sweet potato farms
Timothy farms

016

VEGETABLES AND MELONS

0161 Vegetables and Melons

Establishments primarily engaged in the production of vegetables and melons in the open. Establishments primarily engaged in growing vegetables under glass or other protection are classified in Industry 0182; dry field and seed beans and peas in Industry 0119; Irish potatoes in Industry 0134; and sweet potatoes in Industry 0130.

Asparagus farms
Beet farms, except sugar beet
Cabbage farms
Cantaloupe and other melon farms
Celery farms
Cucumber farms
English pea farms
Green lima bean farms
Green pea farms
Lettuce and romaine farms
Market gardens

Melon farms
Onion farms
Snap bean farms (bush and pole)
Squash farms
Sweet corn farms
Sweet pepper farms
Tomato farms
Truck farms
Vegetable farms
Watermelon farms

017

FRUITS AND TREE NUTS

0171 Berry Crops

Establishments primarily engaged in the production of canberries, bushberries, and strawberries.

Berry farms
Blackberry farms
Blueberry farms
Cranberry bogs
Currant farms

Dewberry farms
Loganberry farms
Raspberry farms
Strawberry farms

0172 Grapes

Establishments primarily engaged in the production of grapes.

Grape farms

Vineyards

STANDARD INDUSTRIAL CLASSIFICATION

Group Industry
No. No.

017 FRUITS AND TREE NUTS—Continued

0173 Tree Nuts

Establishments primarily engaged in the production of tree nuts.

Almond groves and farms
Chestnut groves and farms
Pecan groves and farms

Tree nut groves and farms
Tung nut groves and farms
Walnut groves and farms

0174 Citrus Fruits

Establishments primarily engaged in the production of citrus fruits.

Citrus groves and farms
Grapefruit groves and farms
Lemon groves and farms

Lime groves and farms
Orange groves and farms
Tangerine groves and farms

0175 Deciduous Tree Fruits

Establishments primarily engaged in the production of deciduous tree fruits. Establishments primarily growing citrus fruits are classified in Industry 0174, and tropical fruits in Industry 0179.

Apple orchards and farms
Apricot orchards and farms
Cherry orchards and farms
Nectarine orchards and farms
Peach orchards and farms
Pear orchards and farms

Persimmon orchards and farms
Plum orchards and farms
Pomegranate orchards and farms
Prune orchards and farms
Quince orchards and farms

0179 Fruits and Tree Nuts, Not Elsewhere Classified

Establishments primarily engaged in the production of fruits and nuts, not elsewhere classified. This industry also includes establishments deriving 50 percent or more of their total value of sales of agricultural products from fruit and tree nuts (Industry Group 017), but less than 50 percent from products of any single industry.

Avocado orchards and farms
Date orchards and farms
Fig orchards and farms

Olive groves and farms
Pineapple farms
Tropical fruit farms

018

HORTICULTURAL SPECIALTIES

0181 Ornamental Floriculture and Nursery Products

Establishments primarily engaged in the production of ornamental plants and other nursery products, such as bulbs, florists' greens, flowers, shrubbery, flower and vegetable seeds and plants, and sod. These products may be grown under cover (greenhouse, frame, cloth house, lath house) or outdoors.

Bulbs, growing of
Field nurseries: growing of flowers and shrubbery, except forest shrubbery
Florists' greens, cultivated: growing of
Flowers, growing of
Fruit stocks, growing of
Greenhouses for floral products
Mats, preseeded: soil erosion—growing of

Nursery stock, growing of
Plants, ornamental: growing of
Plants, potted: growing of
Rose growers
Seed, flower and vegetable: growing of
Shrubberies, except forest shrubbery: growing of
Sod farms

0182 Food Crops Grown Under Cover

Establishments primarily engaged in the production of fruits and vegetables grown under cover.

Fruits grown under cover
Greenhouses for food crops
Mushroom cellars
Mushroom spawn, production of

Rhubarb grown under cover
Tomatoes grown under cover
Vegetables grown under cover

0189 Horticultural Specialties, Not Elsewhere Classified

Establishments primarily engaged in the production of horticultural specialties, not elsewhere classified. This industry also includes establishments deriving 50 percent or more of their total value of sales of agricultural products from horticultural specialties (Industry Group 018), but less than 50 percent from products of any single industry.

0191 General Farms, Primarily Crop

Establishments deriving 50 percent or more of their total value of sales of agricultural products from crops, including horticultural specialties, but less than 50 percent from products of any single 3-digit industry group.

Crop farms, general

**Major Group 02.—AGRICULTURAL PRODUCTION—
LIVESTOCK**

The Major Group as a Whole

This major group includes establishments (farms, ranches, dairies, feedlots, egg production facilities, broiler facilities, poultry hatcheries, apiaries, etc.) primarily engaged in the keeping, grazing, or feeding of livestock for the sale of livestock or livestock products (including serums), for livestock increase, or for value increase. Livestock, as used here, includes cattle, hogs, sheep, goats, and poultry of all kinds; also included are animal specialties, such as horses, rabbits, bees, pets, fish in captivity, and fur-bearing animals in captivity.

An establishment primarily engaged in the production of livestock or livestock products (Major Group 02) is classified in the industry (4-digit) or industry group (3-digit) which accounts for 50 percent or more of the total value of sales for its agricultural production. If the total value of sales for agricultural products of an establishment is less than 50 percent from a single 4-digit industry, but 50 percent or more of the value of sales for its agricultural products derives from the products of two or more 4-digit industries within the same 3-digit industry group, the establishment is classified in the miscellaneous industry of that industry group; otherwise, it is classified as a general livestock farm in Industry 0291.

Group Industry
No. No.

021 LIVESTOCK, EXCEPT DAIRY, POULTRY, AND ANIMAL SPECIALTIES

0211 Beef Cattle Feedlots

Establishments primarily engaged in the fattening of beef cattle in a confined area for a period of at least 30 days, on their own account or on a fee or contract basis. Feedlot operations that are an integral part of the breeding, raising, or grazing of beef cattle are classified in Industry 0212. Establishments which feed beef cattle for periods of less than 30 days, generally in connection with their transport, are classified in Industry 4789.

Beef cattle feedlots
Cattle feeding farms
Cattle feedlot operation

Feedlots, cattle
Stockyards, exclusively for fattening
cattle

0212 Beef Cattle, Except Feedlots

Establishments primarily engaged in the production or feeding of beef cattle, except feedlots. Establishments primarily raising dairy cattle are classified in Industry 0241.

Beef cattle farms, except feedlots
Cattle raising farms

Cattle ranches

0213 Hogs

Establishments primarily engaged in the production or feeding of hogs on their own account or on a fee or contract basis.

Feedlots, hog

Hog farms

0214 Sheep and Goats

Establishments primarily engaged in the production of sheep, lambs, goats, goat's milk, wool and mohair, including the operation of lamb feedlots on their own account or on a fee or contract basis.

Feedlots, lamb
Goat farms
Goat's milk production
Mohair production

Sheep feeding farms and ranches
Sheep raising farms and ranches
Wool production

Group No.	Industry No.	
021		LIVESTOCK, EXCEPT DAIRY, POULTRY, AND ANIMAL SPECIALTIES—Con.
	0219	General Livestock, Except Dairy, Poultry, and Animal Specialties Establishments deriving 50 percent or more of their total value of sales of agricultural products from livestock and livestock products classified in Industry Group 021, but less than 50 percent from products of any single industry.
024		DAIRY FARMS
	0241	Dairy Farms Establishments primarily engaged in the production of cows' milk and other dairy products and in raising dairy heifer replacements. Such farms may process and bottle milk on the farm and sell at wholesale or retail. However, the processing and/or distribution of milk from a separate establishment not on the farm is classified in manufacturing or trade. Establishments primarily producing goat's milk are classified in Industry 0214. Dairy farms Dairy heifer replacement farms Milk production
025		POULTRY AND EGGS
	0251	Broiler, Fryer, and Roaster Chickens Establishments primarily engaged in the production of chickens for slaughter, including those grown under contract. Broiler chickens, raising of Chicken farms or ranches (raising for slaughter) Cornish hen farms Frying chickens, raising of Roasting chickens, raising of
	0252	Chicken Eggs Establishments primarily engaged in the production of chicken eggs, including table eggs and hatching eggs and in the sale of cull hens. Chicken egg farms Egg (chicken) farms and ranches Started pullet farms
	0253	Turkeys and Turkey Eggs Establishments primarily engaged in the production of turkeys and turkey eggs. Turkey egg farms and ranches Turkey farms and ranches
	0254	Poultry Hatcheries Establishments primarily engaged in operating poultry hatcheries on their own account or on a fee or contract basis. Chicken hatcheries Egg hatcheries (poultry) Poultry hatcheries
	0259	Poultry and Eggs, Not Elsewhere Classified Establishments primarily engaged in the production of poultry and eggs, not elsewhere classified. This industry also includes establishments deriving 50 percent or more of their total value of sales of agricultural products from poultry and eggs (Industry Group 025), but less than 50 percent from products of any single industry. Duck farms Geese farms Pheasant farms Pigeon farms Quail farms
027		ANIMAL SPECIALTIES
	0271	Fur-Bearing Animals and Rabbits Establishments primarily engaged in the production of fur and fur-bearing animals and rabbits. Chinchilla farms Fox farms Fur farms Game farms (fur-bearing animals) Mink farms Rabbit farms

Group Industry
No. No.

027 ANIMAL SPECIALTIES—Continued

0272 Horses and Other Equines

Establishments primarily engaged in the production of horses and other equines.

Burro farms
Donkey farms
Horse farms

Mule farms
Pony farms

0279 Animal Specialties, Not Elsewhere Classified

Establishments primarily engaged in the production of animal specialties, not elsewhere classified, such as pets, bees, fish in captivity except fish hatcheries, worms, and laboratory animals. This industry also includes establishments deriving 50 percent or more of their total value of sales of agricultural products from animal specialties (Industry Group 027) but less than 50 percent from products of any single industry. Establishments primarily engaged in hatching fish are classified in Industry 0021.

Alligator farms
Animal specialty farms
Aplaries
Aviaries (parakeet, canary, love birds,
etc.)
Bee farms
Cat farms
Catfish farms
Dog farms
Earthworm hatcheries
Fish farms
Frog farms

Goldfish farms
Honey production
Kennels, breeding and raising own
stock
Laboratory animal farms (rats, mice,
guinea pigs, etc.)
Mollusk farms
Rattlesnake farms
Silk (raw) production and silkworm
farms
Trout farms
Worm farms

029 GENERAL FARMS, PRIMARILY LIVESTOCK

0291 General Farms, Primarily Livestock

Establishments deriving 50 percent or more of their total value of sales of agricultural products from livestock and livestock products, including animal specialties, but less than 50 percent from products of any single 3 digit industry group.

Livestock farms, general

Type of Agricultural Groups

<u>SIC Code</u>	<u>Type of Agriculture</u>	<u>Group Number</u>
011	Cash Grains	1
013	Field Crops	2
016	Vegetables and Melons	3
0171, 0172	Berries and Grapes	4
0173, 0174 0175, 0179	Tree Fruits and Tree Nuts	5
018	Horticultural Specialties	6
019	General Farms, Primarily Crop	7
0212, 0214 0219, 0272	Extensive Animal Grazing	8
0211, 0213 025, 0271 0279	Intensive Animal Husbandry	9
024	Dairy Farms	10
029	General Farms, Primarily Livestock	11



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