

Crop Reports

The Crop Enterprise Analysis tables show the average physical production, gross return, direct costs, overhead costs, and net returns per acre. There are potentially three tables for each crop depending on the farmer's tenure on the land: owned land, cash rented land, and share rented land. It is possible for an individual farm to have data in all three tables if all three land tenure categories are represented in that farm business.

Gross Return Per Acre includes the value of the crop produced plus any other income directly associated with production of the crop, including crop insurance proceeds and any disaster payments that might have been received. It does not include direct and counter-cyclical government payments (see Net Return With Government Payments).

The *Value Per Unit* is assigned by the producer. For cash crops, the value is based on the actual price for crops sold or an average sale price during the harvest season. It also includes the per unit value of any LDP payments received before the end of the year. An average value price is used for forages and other feed crops.

Net Return Per Acre is the amount contributed toward operator labor, management, and equity capital. Any wages and benefits paid to the operator are removed from labor costs (and added to *Labor and Management Charge*) so that all farms are on equal footing. **Land costs include land rent on the rented land pages but only actual interest paid and real estate taxes on owned land. For this reason, net returns from owned and rented land should not be compared.**

Net Return Over Labor and Management is the return remaining after compensating the operator for unpaid labor and management. This is the per acre return to equity capital before government payments.

Net Return With Government Payments is the return to equity capital after government payments have been added. These payments are generally allocated evenly per acre across all crops except vegetables and pasture.

Cost of Production shows the average cost per unit produced in each cost category. *Total Direct and Overhead Expense per Unit* is the breakeven price needed to cover cash costs and depreciation. *With Labor and Management* is the breakeven price to provide a labor and management return for the operator. *Total Expense Less Government and Other Income* is the final breakeven price if government payments and any miscellaneous income are used to offset some of the expenses.

Crop Enterprise Analysis
(Farms Sorted By Crop Tenure Type)

Corn on Owned Land, Cash Rent, Share Rent

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>
Number of fields	24	27	29
Number of farms	19	20	16
Acres	120.91	158.14	102.10
Yield per acre (bu.)	63.65	64.84	69.65
Operators share of yield %	100.00	100.00	53.80
Value per bu.	2.04	2.02	2.01
Total product return per acre	130.05	131.30	75.39
Miscellaneous income per acre	67.31	71.39	42.38
Gross return per acre	197.36	202.69	117.77
Direct Expenses			
Seed	38.60	36.63	25.13
Fertilizer	73.11	72.50	47.19
Crop chemicals	23.66	26.78	16.62
Crop insurance	10.16	10.88	6.67
Drying fuel	0.67	1.00	0.07
Fuel & oil	12.01	12.19	11.13
Repairs	13.39	17.09	15.80
Custom hire	2.17	1.55	1.08
Land rent	-	90.85	-
Utilities	0.65	0.69	0.06
Operating interest	3.50	5.36	4.27
Miscellaneous	1.46	1.07	0.19
Total direct expenses per acre	179.36	276.59	128.23
Return over direct exp per acre	18.00	-73.90	-10.46
Overhead Expenses			
Custom hire	4.30	2.86	3.78
Hired labor	2.48	3.07	2.81
RE & pers. property taxes	6.56	0.44	0.33
Farm insurance	3.17	2.93	2.35
Utilities	2.42	2.12	1.93
Dues & professional fees	0.81	1.05	1.22
Interest	31.09	3.03	1.79
Mach & bldg depreciation	10.31	10.91	5.56
Miscellaneous	4.31	6.32	3.15
Total overhead expenses per acre	65.44	32.74	22.92
Total dir & ovhd expenses per acre	244.80	309.33	151.15
Net return per acre	-47.44	-106.64	-33.38
Government payments	37.42	48.78	19.38
Net return with govt pmts	-10.02	-57.86	-14.01
Labor & management charge	26.81	24.99	18.89
Net return over lbr & mgt	-36.83	-82.85	-32.90
Cost of Production			
Total direct expense per bu.	2.82	4.27	3.42
Total dir & ovhd exp per bu.	3.85	4.77	4.03
Less govt & other income	2.20	2.92	2.39
With labor & management	2.62	3.30	2.89
Machinery cost per acre	44.08	47.02	37.86
Est. labor hours per acre	1.98	1.82	1.33

Crop Enterprise Analysis
(Farms Sorted By Crop Tenure Type)

Soybeans on Owned Land, Cash Rent, Share Rent

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>
Number of fields	24	31	27
Number of farms	20	21	17
Acres	173.88	153.08	106.56
Yield per acre (bu.)	30.16	30.77	29.71
Operators share of yield %	100.00	100.00	56.33
Value per bu.	5.71	5.75	5.67
Total product return per acre	172.18	177.01	94.92
Miscellaneous income per acre	12.47	11.50	14.90
Gross return per acre	184.65	188.51	109.82
Direct Expenses			
Seed	29.32	26.91	19.81
Fertilizer	14.62	11.65	11.57
Crop chemicals	27.25	24.32	18.38
Crop insurance	7.18	7.53	5.67
Fuel & oil	11.48	12.90	9.45
Repairs	17.09	16.13	13.12
Custom hire	2.73	0.35	0.80
Land rent	-	80.87	-
Utilities	0.71	0.60	0.11
Operating interest	4.33	4.62	4.49
Miscellaneous	1.53	1.53	0.27
Total direct expenses per acre	116.24	187.42	83.67
Return over direct exp per acre	68.40	1.09	26.14
Overhead Expenses			
Custom hire	2.94	3.47	2.93
Hired labor	2.16	2.94	2.31
RE & pers. property taxes	6.55	0.34	0.38
Farm insurance	4.27	3.24	2.44
Utilities	1.47	2.28	1.71
Dues & professional fees	0.74	1.19	0.85
Interest	23.72	2.51	1.81
Mach & bldg depreciation	10.49	7.53	6.32
Miscellaneous	6.44	4.12	2.56
Total overhead expenses per acre	58.79	27.62	21.31
Total dir & ovhd expenses per acre	175.03	215.04	104.98
Net return per acre	9.61	-26.54	4.84
Government payments	38.65	32.87	20.16
Net return with govt pmts	48.27	6.33	24.99
Labor & management charge	24.11	25.65	17.88
Net return over lbr & mgt	24.15	-19.33	7.12
Cost of Production			
Total direct expense per bu.	3.85	6.09	5.00
Total dir & ovhd exp per bu.	5.80	6.99	6.27
Less govt & other income	4.11	5.55	4.18
With labor & management	4.91	6.38	5.25
Machinery cost per acre	46.31	42.62	33.39
Est. labor hours per acre	1.67	1.90	1.35

Crop Enterprise Analysis
(Farms Sorted By Crop Tenure Type)

Wheat, Winter on Owned Land, Cash Rent, Share Rent

	<u>Owned Land</u>	<u>Share Rent</u>
Number of fields	6	6
Number of farms	6	5
Acres	65.72	71.80
Yield per acre (bu.)	61.89	64.28
Operators share of yield %	100.00	42.38
Value per bu.	3.50	3.89
Total product return per acre	216.65	105.93
Miscellaneous income per acre	13.98	-
Gross return per acre	230.63	105.93
Direct Expenses		
Seed	11.28	8.53
Fertilizer	46.63	23.81
Crop chemicals	5.18	1.30
Crop insurance	5.45	2.33
Fuel & oil	6.45	4.21
Repairs	12.28	4.80
Custom hire	4.97	0.24
Land rent	-	-
Utilities	1.54	0.38
Operating interest	1.12	2.03
Miscellaneous	5.80	0.80
Total direct expenses per acre	100.70	48.44
Return over direct exp per acre	129.93	57.49
Overhead Expenses		
Custom hire	1.73	2.40
Hired labor	0.05	3.41
RE & pers. property taxes	3.41	0.26
Farm insurance	3.09	1.52
Utilities	0.63	1.26
Dues & professional fees	0.49	0.58
Interest	9.75	0.55
Mach & bldg depreciation	8.43	6.64
Miscellaneous	5.17	1.03
Total overhead expenses per acre	32.76	17.65
Total dir & ovhd expenses per acre	133.46	66.08
Net return per acre	97.17	39.84
Government payments	30.97	17.72
Net return with govt pmts	128.14	57.56
Labor & management charge	28.52	14.16
Net return over lbr & mgt	99.62	43.40
Cost of Production		
Total direct expense per bu.	1.63	1.78
Total dir & ovhd exp per bu.	2.16	2.43
Less govt & other income	1.43	1.78
With labor & management	1.89	2.30
Machinery cost per acre	34.21	18.14
Est. labor hours per acre	1.93	1.32

Crop Enterprise Analysis
(Farms Sorted By Crop Tenure Type)

Sorghum, Grain on Owned Land, Cash Rent, Share Rent

	Share Rent
Number of fields	5
Number of farms	5
Acres	71.60
Yield per acre (bu.)	73.82
Operators share of yield %	62.72
Value per bu.	1.78
Total product return per acre	82.29
Miscellaneous income per acre	5.33
Gross return per acre	87.62
Direct Expenses	
Seed	8.38
Fertilizer	54.04
Crop chemicals	21.16
Crop insurance	2.99
Fuel & oil	8.21
Repairs	16.60
Land rent	-
Utilities	-
Operating interest	3.14
Miscellaneous	-
Total direct expenses per acre	114.51
Return over direct exp per acre	-26.89
Overhead Expenses	
Custom hire	3.03
Hired labor	0.31
RE & pers. property taxes	0.62
Farm insurance	2.91
Utilities	2.19
Dues & professional fees	0.27
Interest	2.29
Mach & bldg depreciation	2.59
Miscellaneous	4.20
Total overhead expenses per acre	18.41
Total dir & ovhd expenses per acre	132.92
Net return per acre	-45.30
Government payments	82.04
Net return with govt pmts	36.73
Labor & management charge	17.27
Net return over lbr & mgt	19.47
Cost of Production	
Total direct expense per bu.	2.47
Total dir & ovhd exp per bu.	2.87
Less govt & other income	0.98
With labor & management	1.36
Machinery cost per acre	32.57
Est. labor hours per acre	1.28

Crop Enterprise Analysis
(Farms Sorted By Crop Tenure Type)

Hay, Mixed on Owned Land, Cash Rent, Share Rent.

	<u>Owned Land</u>	<u>Cash Rent</u>
Number of fields	10	6
Number of farms	10	6
Acres	43.30	80.83
Yield per acre (ton)	2.11	1.98
Operators share of yield %	100.00	100.00
Value per ton	32.98	37.52
Total product return per acre	69.47	74.32
Miscellaneous income per acre	-	-
Gross return per acre	69.47	74.32
Direct Expenses		
Seed	1.72	1.33
Fertilizer	10.50	22.01
Crop chemicals	0.48	0.65
Fuel & oil	8.10	12.05
Repairs	11.40	9.12
Custom hire	6.87	-
Hired labor	1.20	-
Land rent	-	25.75
Operating interest	2.32	2.35
Total direct expenses per acre	42.59	73.26
Return over direct exp per acre	26.89	1.06
Overhead Expenses		
Custom hire	2.46	1.75
Hired labor	1.61	2.04
RE & pers. property taxes	5.07	0.33
Farm insurance	2.83	1.52
Utilities	1.93	1.23
Dues & professional fees	0.86	0.56
Interest	10.80	1.05
Mach & bldg depreciation	17.54	14.23
Miscellaneous	1.88	1.99
Total overhead expenses per acre	44.98	24.70
Total dir & ovhd expenses per acre	87.57	97.96
Net return per acre	-18.10	-23.64
Government payments	3.34	-
Net return with govt pmts	-14.75	-23.64
Labor & management charge	24.68	23.93
Net return over lbr & mgt	-39.43	-47.57
Cost of Production		
Total direct expense per ton	20.22	36.99
Total dir & ovhd exp per ton	41.57	49.46
Less govt & other income	39.98	49.46
With labor & management	51.70	61.54
Machinery cost per acre	46.55	37.89
Est. labor hours per acre	2.33	2.10

Crop Enterprise Analysis
(Farms Sorted By Crop Tenure Type)

Pasture on Owned Land, Cash Rent, Share Rent

	<u>Owned Land</u>	<u>Cash Rent</u>
Number of fields	13	6
Number of farms	12	6
Acres	156.62	395.00
Yield per acre (aum)	3.39	3.36
Operators share of yield %	100.00	100.00
Value per aum	9.01	9.00
Total product return per acre	30.50	30.28
Miscellaneous income per acre	-	-
Gross return per acre	30.50	30.28
Direct Expenses		
Fertilizer	5.47	5.32
Fuel & oil	1.70	0.61
Repairs	3.12	1.01
Land rent	-	15.19
Operating interest	1.28	0.37
Miscellaneous	0.30	-
Total direct expenses per acre	11.88	22.50
Return over direct exp per acre	18.62	7.79
Overhead Expenses		
Custom hire	0.50	0.53
Hired labor	0.02	0.07
RE & pers. property taxes	3.34	0.00
Farm insurance	1.06	0.59
Utilities	0.57	0.13
Dues & professional fees	0.67	0.25
Interest	4.76	0.01
Mach & bldg depreciation	5.65	0.89
Miscellaneous	1.17	0.27
Total overhead expenses per acre	17.74	2.73
Total dir & ovhd expenses per acre	29.62	25.22
Net return per acre	0.88	5.06
Government payments	-	-
Net return with govt pmts	0.88	5.06
Labor & management charge	13.99	6.32
Net return over lbr & mgt	-13.10	-1.26
Cost of Production		
Total direct expense per aum	3.51	6.69
Total dir & ovhd exp per aum	8.74	7.50
Less govt & other income	8.74	7.50
With labor & management	12.87	9.38
Machinery cost per acre	11.12	2.84
Est. labor hours per acre	1.40	0.57

