

## 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 be compared with that in mind.**

*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 to 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.

Share-Rent returns and costs represent only the producer's share.

**Crop Enterprise Analysis**  
**2008 Missouri FBMA Farm Summary**  
**(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	26	52	36
Number of farms	23	34	28
Acres	133.29	121.67	178.99
Yield per acre (bu.)	135.19	132.71	126.83
Operator's share of yield %	100.00	100.00	41.66
Value per bu.	4.20	4.06	4.20
Total product return per acre	568.18	539.13	221.99
Hedging gains/losses per acre	0.95	4.01	0.02
Crop insurance per acre	10.33	18.40	10.28
Other crop income per acre	1.82	5.73	3.92
Gross return per acre	581.28	567.26	236.21
<b>Direct Expenses</b>			
Seed	48.55	57.10	23.78
Fertilizer	138.69	134.98	76.35
Crop chemicals	38.94	35.75	20.17
Crop insurance	24.19	23.17	10.63
Drying expense	3.27	4.81	1.77
Storage	4.18	3.19	1.77
Fuel & oil	21.26	23.07	11.93
Repairs	19.46	18.35	11.51
Repair, machinery	1.24	1.46	1.45
Custom hire	2.99	3.54	2.24
Repair, buildings	0.62	0.68	0.79
Hired labor	3.51	4.96	1.05
Land rent	-	95.50	-
Machinery leases	0.27	1.40	0.05
Utilities	2.36	3.09	1.94
Operating interest	6.74	6.62	3.08
Miscellaneous	1.78	0.95	1.43
Total direct expenses per acre	318.04	418.63	169.93
Return over direct exp per acre	263.24	148.64	66.28
<b>Overhead Expenses</b>			
Custom hire	0.26	0.51	0.10
Hired labor	0.43	1.48	0.07
Building leases	0.53	0.56	0.34
RE & pers. property taxes	6.68	1.12	0.81
Farm insurance	3.56	3.37	2.24
Utilities	0.67	0.59	0.35
Dues & professional fees	0.61	0.62	0.19
Interest	20.19	3.34	2.46
Mach & bldg depreciation	10.34	17.76	8.06
Miscellaneous	10.44	7.11	5.01
Total overhead expenses per acre	53.72	36.47	19.61
Total dir & ovhd expenses per acre	371.76	455.09	189.54
Net return per acre	209.52	112.17	46.67
Government payments	24.62	21.03	10.00
Net return with govt pmts	234.14	133.20	56.67
Labor & management charge	37.23	31.74	24.59
Net return over lbr & mgt	196.91	101.47	32.08
<b>Cost of Production</b>			
Total direct expense per bu.	2.35	3.15	3.22
Total dir & ovhd exp per bu.	2.75	3.43	3.59
Less govt & other income	2.47	3.06	3.13
With labor & management	2.75	3.30	3.59
Net value per unit	4.21	4.09	4.20
Machinery cost per acre	54.74	66.50	36.77
Est. labor hours per acre	2.03	1.88	1.33

**Crop Enterprise Analysis**  
**2008 Missouri FBMA Farm Summary**  
**(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	34	55	33
Number of farms	27	34	27
Acres	138.44	153.90	242.78
Yield per acre (bu.)	35.86	32.79	32.89
Operators share of yield %	100.00	100.00	43.50
Value per bu.	9.99	9.90	9.71
Total product return per acre	358.28	324.79	138.97
Hedging gains/losses per acre	-	1.35	0.15
Crop insurance per acre	22.97	36.55	12.73
Other crop income per acre	3.77	4.54	3.65
Gross return per acre	385.02	367.24	155.49
<b>Direct Expenses</b>			
Seed	33.63	37.53	17.04
Fertilizer	23.64	21.53	13.54
Crop chemicals	42.14	32.76	19.71
Crop insurance	15.06	16.47	7.00
Storage	0.15	1.07	0.06
Fuel & oil	20.16	18.74	12.00
Repairs	16.32	19.13	10.93
Repair, machinery	1.56	0.77	1.39
Custom hire	2.61	2.10	1.89
Repair, buildings	0.89	0.47	0.78
Hired labor	2.05	3.59	1.10
Land rent	-	93.12	-
Machinery leases	0.15	0.98	0.07
Utilities	1.59	1.56	1.08
Operating interest	3.88	6.49	3.41
Miscellaneous	1.73	1.20	1.22
Total direct expenses per acre	165.56	257.51	91.22
Return over direct exp per acre	219.46	109.72	64.27
<b>Overhead Expenses</b>			
Hired labor	0.52	0.96	0.12
Building leases	0.54	0.36	0.31
RE & pers. property taxes	7.64	1.22	0.82
Farm insurance	2.96	2.81	2.15
Utilities	0.54	0.55	0.39
Dues & professional fees	0.41	0.65	0.24
Interest	17.32	3.08	2.78
Mach & bldg depreciation	9.31	12.84	7.46
Miscellaneous	7.86	7.66	4.58
Total overhead expenses per acre	47.10	30.11	18.85
Total dir & ovhd expenses per acre	212.65	287.63	110.08
Net return per acre	172.36	79.61	45.41
Government payments	22.32	20.54	9.39
Net return with govt pmts	194.68	100.15	54.81
Labor & management charge	31.81	28.47	21.74
Net return over lbr & mgt	162.87	71.68	33.07
<b>Cost of Production</b>			
Total direct expense per bu.	4.62	7.85	6.38
Total dir & ovhd exp per bu.	5.93	8.77	7.69
Less govt & other income	4.56	6.85	5.88
With labor & management	5.45	7.72	7.40
Net value per unit	9.99	9.95	9.72
Machinery cost per acre	50.47	55.32	35.78
Est. labor hours per acre	1.69	1.57	1.15

**Crop Enterprise Analysis**  
**2008 Missouri FBMA Farm Summary**  
**(Farms Sorted By Crop Tenure Type)**

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

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>
Number of fields	15	11	14
Number of farms	14	11	13
Acres	89.05	100.09	69.61
Yield per acre (bu.)	51.61	45.81	58.52
Operators share of yield %	100.00	100.00	45.67
Value per bu.	5.70	5.29	5.13
Total product return per acre	294.31	242.50	137.18
Crop insurance per acre	4.46	9.87	0.24
Other crop income per acre	4.01	7.43	0.53
Gross return per acre	302.78	259.79	137.96
<b>Direct Expenses</b>			
Seed	16.67	15.71	9.01
Fertilizer	85.66	87.33	45.23
Crop chemicals	6.89	6.42	4.40
Crop insurance	7.48	7.14	3.76
Drying expense	0.66	0.56	-
Fuel & oil	15.42	18.34	7.55
Repairs	16.46	13.75	7.52
Repair, machinery	0.51	1.22	0.61
Custom hire	0.98	0.05	1.28
Repair, buildings	0.29	-	0.57
Hired labor	3.67	2.80	1.28
Land rent	-	57.25	-
Machinery leases	1.75	1.46	0.03
Utilities	1.25	1.36	0.55
Marketing	0.05	1.49	0.46
Operating interest	3.40	4.39	6.92
Miscellaneous	1.82	1.53	0.89
Total direct expenses per acre	155.00	220.81	90.04
Return over direct exp per acre	147.78	38.98	47.91
<b>Overhead Expenses</b>			
Custom hire	1.06	0.88	0.03
Hired labor	0.86	1.07	0.00
Building leases	0.38	0.61	-
RE & pers. property taxes	3.39	0.34	0.82
Farm insurance	3.05	2.20	3.04
Utilities	0.78	1.19	0.54
Interest	34.36	2.61	1.60
Mach & bldg depreciation	11.11	9.35	4.93
Miscellaneous	5.72	5.85	4.07
Total overhead expenses per acre	60.44	24.09	15.02
Total dir & ovhd expenses per acre	215.44	244.91	105.06
Net return per acre	87.34	14.88	32.89
Government payments	17.90	20.79	9.18
Net return with govt pmts	105.24	35.68	42.08
Labor & management charge	19.28	22.79	19.22
Net return over lbr & mgt	85.96	12.88	22.86
<b>Cost of Production</b>			
Total direct expense per bu.	3.00	4.82	3.37
Total dir & ovhd exp per bu.	4.17	5.35	3.93
Less govt & other income	3.66	4.51	3.56
With labor & management	4.04	5.01	4.28
Net value per unit	5.70	5.29	5.13
Machinery cost per acre	40.07	45.13	23.30
Est. labor hours per acre	1.34	1.36	1.12

**Crop Enterprise Analysis**  
**2008 Missouri FBMA Farm Summary**  
**(Farms Sorted By Crop Tenure Type)**

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

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>
Number of fields	12	8	8
Number of farms	12	8	8
Acres	74.04	93.25	134.06
Yield per acre (ton)	1.98	3.06	2.76
Operators share of yield %	100.00	100.00	30.72
Value per ton	43.19	53.97	36.99
Total product return per acre	85.63	164.89	31.30
Gross return per acre	85.63	164.89	31.30
<b>Direct Expenses</b>			
Seed	1.53	1.85	0.66
Fertilizer	31.81	44.90	8.97
Fuel & oil	22.89	16.63	6.01
Repairs	19.78	6.85	9.51
Custom hire	2.16	2.01	3.43
Hired labor	0.90	0.06	0.24
Land rent	-	46.40	-
Utilities	1.45	0.61	0.16
Operating interest	0.80	1.55	0.03
Miscellaneous	0.48	0.21	0.01
Total direct expenses per acre	81.79	121.07	28.73
Return over direct exp per acre	3.84	43.82	2.57
<b>Overhead Expenses</b>			
Hired labor	0.58	0.61	-
RE & pers. property taxes	5.88	0.28	0.42
Farm insurance	2.49	3.86	1.73
Utilities	0.82	0.12	0.22
Dues & professional fees	0.83	0.69	0.25
Interest	23.17	0.37	1.41
Mach & bldg depreciation	14.98	26.34	3.46
Miscellaneous	5.39	2.05	2.12
Total overhead expenses per acre	54.14	34.32	9.61
Total dir & ovhd expenses per acre	135.93	155.39	38.35
Net return per acre	-50.30	9.50	-7.04
Government payments	-	-	-
Net return with govt pmts	-50.30	9.50	-7.04
Labor & management charge	25.28	19.03	11.68
Net return over lbr & mgt	-75.58	-9.53	-18.73
<b>Cost of Production</b>			
Total direct expense per ton	41.26	39.63	33.95
Total dir & ovhd exp per ton	68.57	50.86	45.31
Less govt & other income	68.57	50.86	45.31
With labor & management	81.32	57.09	59.12
Net value per unit	43.19	53.97	36.99
Machinery cost per acre	59.53	52.31	23.30
Est. labor hours per acre	2.07	1.86	0.96

**Crop Enterprise Analysis**  
**2008 Missouri FBMA Farm Summary**  
**(Farms Sorted By Crop Tenure Type)**

**Pasture on Owned Land, Cash Rent, Share Rent**

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>
Number of fields	19	11	10
Number of farms	18	10	9
Acres	157.79	247.27	151.75
Yield per acre (aum)	3.87	3.78	5.54
Operators share of yield %	100.00	100.00	36.87
Value per aum	9.69	10.24	9.50
Total product return per acre	37.55	38.75	19.40
Gross return per acre	37.55	38.75	19.40
<b>Direct Expenses</b>			
Seed	1.12	0.01	0.88
Fertilizer	23.12	5.25	11.60
Fuel & oil	3.48	1.65	1.59
Repairs	2.90	1.66	2.10
Land rent	-	23.30	-
Utilities	0.60	0.04	0.09
Operating interest	0.47	0.89	0.53
Miscellaneous	0.80	0.13	0.12
Total direct expenses per acre	30.82	32.26	16.91
Return over direct exp per acre	6.72	6.49	2.50
<b>Overhead Expenses</b>			
RE & pers. property taxes	2.97	0.05	0.37
Farm insurance	2.27	0.48	1.19
Interest	27.32	0.03	0.73
Mach & bldg depreciation	4.36	1.31	0.68
Miscellaneous	1.80	1.13	1.11
Total overhead expenses per acre	36.41	2.99	4.09
Total dir & ovhd expenses per acre	67.23	35.25	20.99
Net return per acre	-29.69	3.50	-1.59
Government payments	-	-	-
Net return with govt pmts	-29.69	3.50	-1.59
Labor & management charge	6.51	8.24	4.82
Net return over lbr & mgt	-36.20	-4.74	-6.41
<b>Cost of Production</b>			
Total direct expense per aum	7.95	8.53	8.28
Total dir & ovhd exp per aum	17.35	9.32	10.28
Less govt & other income	17.35	9.32	10.28
With labor & management	19.03	11.50	12.64
Net value per unit	9.69	10.24	9.50
Machinery cost per acre	9.58	4.74	5.07
Est. labor hours per acre	0.46	0.59	0.37