

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 (share-rent returns and costs represent only the producer's share). 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 contracted before year-end and the inventory value for crops still in inventory at year-end. The local harvest-time 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 only be compared with that in mind.**

Net Return With Government Payments is the net return per acre after decoupled government payments such as direct and counter-cyclical government payments have been added. These payments are often allocated evenly to all crops except vegetables and pasture.

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

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. *Less Government and Other Income* is the breakeven price if government payments and any miscellaneous income are used to offset some of the expenses. *With Labor and Management* is the breakeven price to provide a labor and management return for the operator(s).

Machinery Cost Per Acre includes fuel and oil, repairs, custom hire, machinery lease payments, machinery depreciation, and interest on intermediate debt.

Crop Enterprise Analysis
2009 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	64	68	48
Number of farms	36	40	29
Acres	114.77	126.48	154.19
Yield per acre (bu.)	150.29	149.75	147.60
Operators share of yield %	100.00	100.00	42.24
Value per bu.	3.74	3.79	3.69
Total product return per acre	561.65	567.43	229.76
Crop insurance per acre	22.40	14.57	14.33
Other crop income per acre	1.41	1.71	1.98
Gross return per acre	585.46	583.70	246.07
Direct Expenses			
Seed	66.78	67.11	32.80
Fertilizer	127.16	129.55	67.27
Crop chemicals	35.30	37.36	21.50
Crop insurance	24.40	19.89	10.11
Drying expense	8.53	6.78	2.47
Storage	0.18	2.14	0.29
Fuel & oil	21.78	17.98	13.22
Repairs	27.30	28.61	19.55
Custom hire	9.62	4.40	2.75
Hired labor	4.14	8.82	3.61
Land rent	-	106.04	-
Machinery leases	1.08	3.86	0.71
Utilities	2.18	1.77	1.38
Marketing	0.44	0.61	0.22
Operating interest	1.70	3.54	2.33
Miscellaneous	2.48	3.35	0.82
Total direct expenses per acre	331.39	441.83	179.04
Return over direct exp per acre	254.07	141.88	67.04
Overhead Expenses			
Custom hire	4.50	5.07	2.31
Hired labor	11.97	9.17	3.34
Machinery leases	4.24	1.41	0.10
Building leases	1.13	0.44	0.27
RE & pers. property taxes	7.24	1.06	0.92
Farm insurance	4.27	4.58	3.10
Utilities	2.71	2.08	0.97
Dues & professional fees	0.75	1.86	0.67
Interest	25.64	4.30	3.31
Mach & bldg depreciation	33.21	23.63	18.81
Miscellaneous	8.08	10.24	5.32
Total overhead expenses per acre	103.28	63.84	39.13
Total dir & ovhd expenses per acre	434.67	505.67	218.17
Net return per acre	150.79	78.04	27.91
Government payments	15.79	14.64	5.97
Net return with govt prmts	166.58	92.68	33.87
Labor & management charge	41.27	29.15	28.96
Net return over lbr & mgt	125.31	63.53	4.92
Cost of Production			
Total direct expense per bu.	2.21	2.95	2.87
Total dir & ovhd exp per bu.	2.89	3.38	3.50
Less govt & other income	2.63	3.17	3.14
With labor & management	2.90	3.37	3.61
Net value per unit	3.74	3.79	3.69
Machinery cost per acre	102.79	88.19	59.72
Est. labor hours per acre	2.71	2.07	1.70

Crop Enterprise Analysis
2009 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	79	88	80
Number of farms	35	39	37
Acres	123.25	120.54	138.94
Yield per acre (bu.)	44.51	45.07	46.65
Operators share of yield %	100.00	100.00	48.19
Value per bu.	9.80	9.84	9.86
Total product return per acre	436.29	443.55	221.67
Hedging gains/losses per acre	0.01	0.07	0.00
Crop insurance per acre	13.99	21.19	10.23
Other crop income per acre	1.34	3.88	1.33
Gross return per acre	451.63	468.69	233.23
Direct Expenses			
Seed	43.80	48.93	28.51
Fertilizer	27.92	29.22	18.79
Crop chemicals	36.71	30.99	21.25
Crop insurance	19.20	14.28	8.78
Storage	0.32	0.83	0.12
Fuel & oil	14.11	14.74	11.74
Repairs	17.35	21.79	14.93
Custom hire	9.36	2.51	2.33
Hired labor	2.63	7.69	2.07
Land rent	-	104.32	-
Machinery leases	0.50	4.58	0.48
Utilities	0.99	1.42	0.69
Operating interest	1.15	3.19	1.47
Miscellaneous	1.70	1.73	0.59
Total direct expenses per acre	174.76	285.40	111.07
Return over direct exp per acre	276.87	183.28	122.16
Overhead Expenses			
Custom hire	2.42	3.32	2.16
Hired labor	9.70	4.14	3.97
Machinery leases	0.99	0.21	0.41
RE & pers. property taxes	5.97	0.92	0.78
Farm insurance	3.65	4.36	3.18
Utilities	1.66	1.37	1.21
Dues & professional fees	0.67	1.32	0.57
Interest	17.89	4.59	2.64
Mach & bldg depreciation	19.92	18.40	16.69
Miscellaneous	6.13	7.27	3.96
Total overhead expenses per acre	68.75	45.89	35.54
Total dir & ovhd expenses per acre	243.51	331.30	146.61
Net return per acre	208.12	137.39	86.62
Government payments	15.25	15.02	5.99
Net return with govt pmts	223.38	152.41	92.61
Labor & management charge	31.85	25.25	25.32
Net return over lbr & mgt	191.53	127.16	67.29
Cost of Production			
Total direct expense per bu.	3.93	6.33	4.94
Total dir & ovhd exp per bu.	5.47	7.35	6.52
Less govt & other income	4.78	6.46	5.74
With labor & management	5.50	7.02	6.87
Net value per unit	9.80	9.84	9.86
Machinery cost per acre	66.27	68.82	50.30
Est. labor hours per acre	2.23	1.68	1.51

Crop Enterprise Analysis
2009 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	12	12
Number of farms	13	10	11
Acres	41.32	104.67	54.75
Yield per acre (bu.)	41.71	42.14	35.44
Operators share of yield %	100.00	100.00	48.43
Value per bu.	5.06	4.20	4.04
Total product return per acre	211.05	176.98	69.34
Crop insurance per acre	18.33	36.27	10.20
Other crop income per acre	2.78	4.32	-
Gross return per acre	232.15	217.57	79.54
Direct Expenses			
Seed	18.48	13.73	8.03
Fertilizer	103.48	87.91	43.64
Crop chemicals	0.94	7.13	4.24
Crop insurance	10.19	9.57	7.58
Drying expense	0.19	1.10	-
Storage	0.64	-	-
Fuel & oil	12.74	13.78	11.94
Repairs	14.84	18.63	18.77
Custom hire	13.18	6.15	8.51
Hired labor	6.21	9.57	-
Land rent	-	58.92	-
Machinery leases	1.16	6.93	-
Utilities	1.32	3.23	0.15
Operating interest	0.82	2.76	1.94
Miscellaneous	1.96	2.30	-
Total direct expenses per acre	186.15	241.71	104.79
Return over direct exp per acre	46.00	-24.13	-25.26
Overhead Expenses			
Custom hire	2.09	0.22	0.98
Hired labor	3.04	1.58	3.15
RE & pers. property taxes	4.21	0.15	0.24
Farm insurance	3.52	2.95	2.32
Utilities	1.51	0.37	0.87
Dues & professional fees	0.56	0.48	0.60
Interest	18.37	2.54	0.62
Mach & bldg depreciation	20.90	6.50	10.75
Miscellaneous	8.77	4.81	2.63
Total overhead expenses per acre	62.96	19.59	22.17
Total dir & ovhd expenses per acre	249.12	261.30	126.96
Net return per acre	-16.97	-43.73	-47.42
Government payments	15.67	10.77	3.74
Net return with govt pmts	-1.29	-32.96	-43.69
Labor & management charge	25.02	14.82	20.16
Net return over lbr & mgt	-26.32	-47.78	-63.85
Cost of Production			
Total direct expense per bu.	4.46	5.74	6.11
Total dir & ovhd exp per bu.	5.97	6.20	7.40
Less govt & other income	5.09	4.98	6.59
With labor & management	5.69	5.33	7.76
Net value per unit	5.06	4.20	4.04
Machinery cost per acre	65.47	55.17	52.44
Est. labor hours per acre	1.82	1.43	1.20

Crop Enterprise Analysis
2009 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	21	7	8
Number of farms	16	5	8
Acres	40.14	102.14	113.25
Yield per acre (ton)	2.18	2.27	2.27
Operators share of yield %	100.00	100.00	42.40
Value per ton	46.04	56.53	37.53
Total product return per acre	100.48	128.17	36.17
Gross return per acre	100.48	128.17	36.17
Direct Expenses			
Seed	0.96	0.67	0.29
Fertilizer	20.68	71.43	3.98
Crop chemicals	1.62	-	0.09
Fuel & oil	11.08	4.28	5.52
Repairs	14.68	3.58	10.26
Custom hire	10.23	14.72	3.31
Hired labor	2.44	0.68	-
Land rent	-	53.62	-
Utilities	0.81	1.23	-
Miscellaneous	1.63	0.11	-
Total direct expenses per acre	64.14	132.90	23.45
Return over direct exp per acre	36.34	-4.74	12.73
Overhead Expenses			
Custom hire	0.05	-	1.06
Hired labor	0.74	0.08	0.12
RE & pers. property taxes	5.82	0.20	0.24
Farm insurance	1.58	0.99	1.96
Utilities	0.77	0.14	0.16
Dues & professional fees	0.69	0.42	0.56
Interest	22.33	0.04	1.25
Mach & bldg depreciation	14.20	18.66	8.28
Miscellaneous	1.29	1.57	2.74
Total overhead expenses per acre	47.48	22.27	16.37
Total dir & ovhd expenses per acre	111.63	155.17	39.82
Net return per acre	-11.15	-27.01	-3.65
Government payments	0.48	1.40	-
Net return with govt pmts	-10.66	-25.60	-3.65
Labor & management charge	23.22	14.99	17.60
Net return over lbr & mgt	-33.89	-40.59	-21.25
Cost of Production			
Total direct expense per ton	29.39	58.62	24.33
Total dir & ovhd exp per ton	51.14	68.44	41.32
Less govt & other income	50.92	67.83	41.32
With labor & management	61.56	74.44	59.58
Net value per unit	46.04	56.53	37.53
Machinery cost per acre	50.82	28.18	29.12
Est. labor hours per acre	1.87	1.16	1.59

**Crop Enterprise Analysis
2009 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)**

Hay, Grass on Owned Land

	Owned Land
Number of fields	9
Number of farms	9
Acres	93.47
Yield per acre (ton)	1.32
Operators share of yield %	100.00
Value per ton	44.59
Total product return per acre	59.05
Crop insurance per acre	0.40
Other crop income per acre	4.96
Gross return per acre	64.40
Direct Expenses	
Seed	0.69
Fertilizer	24.80
Crop chemicals	0.71
Fuel & oil	6.16
Repairs	11.40
Hired labor	1.72
Operating interest	1.27
Miscellaneous	6.24
Total direct expenses per acre	52.98
Return over direct exp per acre	11.42
Overhead Expenses	
RE & pers. property taxes	3.17
Farm insurance	1.53
Utilities	0.61
Interest	3.83
Mach & bldg depreciation	9.61
Miscellaneous	4.06
Total overhead expenses per acre	22.80
Total dir & ovhd expenses per acre	75.78
Net return per acre	-11.38
Government payments	0.53
Net return with govt pmts	-10.85
Labor & management charge	14.40
Net return over lbr & mgt	-25.25
Cost of Production	
Total direct expense per ton	40.01
Total dir & ovhd exp per ton	57.23
Less govt & other income	52.78
With labor & management	63.65
Net value per unit	44.59
Machinery cost per acre	30.16
Est. labor hours per acre	0.69

Crop Enterprise Analysis
2009 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	33	14	9
Number of farms	23	12	8
Acres	151.56	197.48	152.00
Yield per acre (aum)	3.43	2.84	6.29
Operators share of yield %	100.00	100.00	31.79
Value per aum	9.60	10.16	9.04
Total product return per acre	32.90	28.90	18.07
Gross return per acre	32.90	28.90	18.07
Direct Expenses			
Fertilizer	18.78	3.41	4.03
Fuel & oil	1.56	1.77	0.67
Repairs	3.05	1.27	2.50
Custom hire	1.26	0.34	1.25
Hired labor	0.73	0.01	0.34
Land rent	-	20.31	-
Operating interest	0.62	0.23	-
Miscellaneous	1.06	0.20	0.23
Total direct expenses per acre	27.05	26.13	9.02
Return over direct exp per acre	5.85	2.77	9.05
Overhead Expenses			
Custom hire	0.27	0.05	1.33
Hired labor	1.23	0.18	0.14
RE & pers. property taxes	1.31	0.03	0.16
Farm insurance	0.59	0.59	0.92
Interest	5.55	0.06	0.60
Mach & bldg depreciation	3.06	1.04	0.68
Miscellaneous	1.08	0.64	3.18
Total overhead expenses per acre	13.09	2.58	7.00
Total dir & ovhd expenses per acre	40.14	28.71	16.02
Net return per acre	-7.24	0.19	2.05
Government payments	0.04	-	-
Net return with govt pmts	-7.20	0.19	2.05
Labor & management charge	5.22	7.16	3.56
Net return over lbr & mgt	-12.42	-6.97	-1.51
Cost of Production			
Total direct expense per aum	7.89	9.18	4.51
Total dir & ovhd exp per aum	11.71	10.09	8.01
Less govt & other income	11.70	10.09	8.01
With labor & management	13.22	12.61	9.79
Net value per unit	9.60	10.16	9.04
Machinery cost per acre	9.49	4.60	6.96
Est. labor hours per acre	0.43	0.40	0.24

Crop Enterprise Analysis
2009 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

CRP on Owned Land

	Owned Land
Number of fields	16
Number of farms	7
Acres	73.29
Yield per acre (\$)	62.72
Operators share of yield %	100.00
Value per \$	1.00
Total product return per acre	62.72
Other crop income per acre	2.07
Gross return per acre	64.80
Direct Expenses	
Fuel & oil	1.01
Repairs	0.81
Total direct expenses per acre	1.81
Return over direct exp per acre	62.98
Overhead Expenses	
Custom hire	2.27
RE & pers. property taxes	2.32
Farm insurance	0.65
Interest	2.72
Mach & bldg depreciation	2.02
Miscellaneous	2.48
Total overhead expenses per acre	12.46
Total dir & ovhd expenses per acre	14.27
Net return per acre	50.53
Government payments	-
Net return with govt pmts	50.53
Labor & management charge	2.57
Net return over lbr & mgt	47.95
Cost of Production	
Total direct expense per \$	0.03
Total dir & ovhd exp per \$	0.23
Less govt & other income	0.19
With labor & management	0.24
Net value per unit	1.00
Machinery cost per acre	6.57
Est. labor hours per acre	0.13