

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 four tables for each crop depending on the farmer's tenure on the land: owned land, cash rented land, share rented land (share-rent returns and costs represent only the producer's share) and land rented out. It is possible for an individual farm to have data in all four 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
2010 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

Corn on Owned Land, Cash Rent, Share Rent, Rented Out

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>	<u>Rented Out</u>
Number of fields	73	66	54	10
Number of farms	42	43	30	6
Acres	133.14	140.17	131.71	81.41
Yield per acre (bu.)	110.63	106.87	104.49	114.60
Operators share of yield %	100.00	100.00	39.98	43.54
Value per bu.	4.84	4.92	4.75	4.34
Total product return per acre	535.13	525.91	198.56	216.77
Hedging gains/losses per acre	0.34	-0.39	0.31	-
Crop insurance per acre	63.60	53.47	23.26	10.42
Other crop income per acre	6.28	6.60	4.31	0.42
Gross return per acre	605.35	585.58	226.44	227.62
Direct Expenses				
Seed	76.55	80.75	44.66	34.49
Fertilizer	125.20	121.82	69.17	70.32
Crop chemicals	37.35	40.10	22.88	16.50
Crop insurance	17.49	17.47	7.15	6.27
Drying expense	3.35	3.38	1.14	0.59
Storage	0.42	0.75	0.07	-
Fuel & oil	24.16	23.34	14.40	8.37
Repairs	21.42	21.45	16.55	13.80
Repair, machinery	6.15	3.66	3.63	1.60
Custom hire	6.95	2.69	2.26	8.90
Repair, buildings	1.58	0.78	0.64	0.56
Hired labor	7.46	7.11	2.38	0.65
Land rent	-	112.11	-	-
Machinery leases	0.55	4.09	0.80	-
Utilities	2.37	2.65	1.25	0.17
Hauling and trucking	0.66	0.12	-	-
Marketing	0.29	1.15	0.32	-
Operating interest	3.96	4.72	1.52	1.90
Miscellaneous	1.57	2.78	0.68	0.17
Total direct expenses per acre	337.48	450.94	173.67	157.72
Return over direct exp per acre	267.87	134.65	52.76	69.89
Overhead Expenses				
Custom hire	3.39	3.66	2.32	0.02
Hired labor	8.84	6.85	2.70	4.13
RE & pers. property taxes	8.38	1.22	0.82	4.01
Farm insurance	4.84	4.70	2.59	1.61
Utilities	2.29	1.69	0.80	1.73
Dues & professional fees	1.70	2.06	0.71	0.86
Interest	34.00	4.61	3.00	0.35
Mach & bldg depreciation	34.32	27.61	24.03	7.99
Miscellaneous	14.73	14.04	8.78	5.64
Total overhead expenses per acre	112.47	66.45	44.12	26.19
Total dir & ovhd expenses per acre	449.95	517.38	217.79	183.91
Net return per acre	155.40	68.20	8.64	43.71
Government payments	24.34	21.48	13.48	11.94
Net return with govt pmts	179.74	89.68	22.13	55.65
Labor & management charge	45.50	39.09	33.10	13.62
Net return over lbr & mgt	134.24	50.59	-10.97	42.03
Cost of Production				
Total direct expense per bu.	3.05	4.22	4.16	3.16
Total dir & ovhd exp per bu.	4.07	4.84	5.21	3.69
Less govt & other income	3.21	4.08	4.22	3.23
With labor & management	3.62	4.45	5.02	3.50
Net value per unit	4.84	4.92	4.76	4.34
Machinery cost per acre	97.43	88.30	63.57	40.74
Est. labor hours per acre	2.57	2.23	1.76	1.73

Crop Enterprise Analysis
2010 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

Soybeans on Owned Land, Cash Rent, Share Rent, Rented Out

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>	<u>Rented Out</u>
Number of fields	110	101	77	12
Number of farms	47	49	35	7
Acres	118.18	145.25	138.66	98.10
Yield per acre (bu.)	43.14	43.00	46.46	50.06
Operators share of yield %	100.00	100.00	44.28	43.20
Value per bu.	11.17	11.07	11.29	10.83
Total product return per acre	481.97	476.08	232.14	234.28
Hedging gains/losses per acre	0.07	-	-	-
Crop insurance per acre	17.60	7.75	10.78	6.47
Other crop income per acre	4.74	3.47	2.74	0.26
Gross return per acre	504.38	487.31	245.67	241.01
Direct Expenses				
Seed	45.71	47.47	27.25	15.74
Fertilizer	32.88	26.99	17.76	5.00
Crop chemicals	33.21	29.18	19.72	8.78
Crop insurance	12.24	11.14	6.88	4.15
Fuel & oil	17.21	18.12	13.53	4.14
Repairs	14.40	19.26	12.71	5.83
Repair, machinery	5.77	2.72	3.84	1.20
Custom hire	5.02	3.10	1.75	7.84
Repair, buildings	1.49	0.49	0.96	0.42
Hired labor	5.40	7.65	2.15	0.41
Land rent	-	110.34	-	-
Machinery leases	0.94	3.14	0.97	-
Utilities	1.41	2.04	0.91	0.10
Hauling and trucking	1.04	0.22	-	-
Marketing	0.12	1.94	0.03	-
Operating interest	2.41	4.98	1.24	1.32
Miscellaneous	1.74	2.33	0.80	0.23
Total direct expenses per acre	179.99	285.71	101.66	55.16
Return over direct exp per acre	324.38	201.59	144.00	185.85
Overhead Expenses				
Custom hire	2.23	3.20	2.80	0.01
Hired labor	9.87	4.19	4.50	1.66
Building leases	0.20	0.55	0.04	-
RE & pers. property taxes	7.49	1.07	0.89	4.17
Farm insurance	4.64	4.00	3.71	0.93
Utilities	2.03	1.69	1.01	1.00
Dues & professional fees	0.96	2.17	0.68	0.52
Interest	28.82	3.50	3.18	1.33
Mach & bldg depreciation	25.78	18.44	21.92	3.47
Miscellaneous	9.89	12.54	7.18	3.14
Total overhead expenses per acre	91.67	50.76	44.06	16.23
Total dir & ovhd expenses per acre	271.66	336.47	145.73	71.39
Net return per acre	232.71	150.84	99.94	169.62
Government payments	20.33	21.47	11.80	9.30
Net return with govt pmts	253.04	172.31	111.74	178.92
Labor & management charge	34.22	33.30	30.24	6.66
Net return over lbr & mgt	218.83	139.01	81.50	172.27
Cost of Production				
Total direct expense per bu.	4.17	6.64	4.94	2.55
Total dir & ovhd exp per bu.	6.30	7.82	7.08	3.30
Less govt & other income	5.31	7.06	5.85	2.56
With labor & management	6.10	7.84	7.32	2.87
Net value per unit	11.17	11.07	11.29	10.83
Machinery cost per acre	72.37	68.76	57.78	22.51
Est. labor hours per acre	2.19	1.90	1.66	1.03

Crop Enterprise Analysis
2010 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

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

	<u>Owned Land</u>	<u>Cash Rent</u>
Number of fields	10	5
Number of farms	5	5
Acres	34.93	127.04
Yield per acre (bu.)	44.87	37.38
Operators share of yield %	100.00	100.00
Value per bu.	4.25	4.21
Total product return per acre	190.69	157.28
Crop insurance per acre	-	-
Other crop income per acre	0.80	6.98
Gross return per acre	191.49	164.27
Direct Expenses		
Seed	8.11	10.32
Fertilizer	96.95	116.11
Crop chemicals	9.68	18.75
Crop insurance	12.94	8.31
Fuel & oil	15.86	17.02
Repairs	9.92	9.96
Repair, machinery	21.91	4.33
Custom hire	0.75	6.68
Repair, buildings	4.27	1.30
Hired labor	0.36	2.08
Land rent	-	59.75
Machinery leases	3.11	18.44
Utilities	0.25	1.44
Operating interest	8.70	4.68
Miscellaneous	0.13	0.75
Total direct expenses per acre	192.94	274.78
Return over direct exp per acre	-1.46	-110.51
Overhead Expenses		
Custom hire	0.20	1.40
Hired labor	16.97	8.96
Machinery leases	1.89	1.29
RE & pers. property taxes	4.74	0.69
Farm insurance	2.78	4.10
Utilities	1.86	1.02
Dues & professional fees	0.79	0.72
Interest	10.80	4.79
Mach & bldg depreciation	20.45	16.07
Miscellaneous	2.20	4.54
Total overhead expenses per acre	62.67	43.29
Total dir & ovhd expenses per acre	255.62	318.07
Net return per acre	-64.13	-153.81
Government payments	22.50	11.98
Net return with govt pmts	-41.63	-141.83
Labor & management charge	24.14	8.25
Net return over lbr & mgt	-65.77	-150.08
Cost of Production		
Total direct expense per bu.	4.30	7.35
Total dir & ovhd exp per bu.	5.70	8.51
Less govt & other income	5.18	8.00
With labor & management	5.72	8.22
Net value per unit	4.25	4.21
Machinery cost per acre	75.58	79.19
Est. labor hours per acre	2.39	1.84

Crop Enterprise Analysis
2010 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

Hay, Mixed on Owned Land, Cash Rent, Share Rent, Rented Out

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>
Number of fields	22	11	9
Number of farms	16	9	8
Acres	32.65	94.37	70.84
Yield per acre (ton)	1.93	2.30	1.97
Operators share of yield %	100.00	100.00	45.44
Value per ton	45.17	43.14	45.30
Total product return per acre	87.00	99.35	40.54
Gross return per acre	87.00	99.35	40.54
Direct Expenses			
Seed	0.08	1.54	-
Fertilizer	15.07	63.72	1.20
Crop chemicals	-	-	-
Crop insurance	0.30	0.22	0.87
Fuel & oil	11.81	13.04	3.20
Repairs	13.52	11.19	5.65
Repair, machinery	4.26	3.42	0.56
Custom hire	6.79	2.08	-
Repair, buildings	0.74	0.66	0.16
Hired labor	1.78	0.51	-
Land rent	-	52.27	-
Machinery leases	-	2.67	-
Operating interest	0.55	0.96	0.79
Miscellaneous	1.31	0.62	-
Total direct expenses per acre	55.77	140.38	12.45
Return over direct exp per acre	31.23	-41.04	28.09
Overhead Expenses			
Custom hire	0.72	0.00	4.69
Hired labor	0.80	0.06	0.24
RE & pers. property taxes	5.64	0.71	0.44
Farm insurance	2.32	3.52	0.56
Utilities	1.85	1.45	0.18
Dues & professional fees	0.65	0.67	0.19
Interest	13.03	0.57	0.22
Mach & bldg depreciation	10.23	15.91	4.70
Miscellaneous	4.06	1.27	2.02
Total overhead expenses per acre	38.86	20.99	13.23
Total dir & ovhd expenses per acre	94.63	161.38	25.67
Net return per acre	-7.63	-62.03	14.86
Government payments	0.70	-	-
Net return with govt pmts	-6.93	-62.03	14.86
Labor & management charge	22.19	53.41	12.86
Net return over lbr & mgt	-29.12	-115.44	2.01
Cost of Production			
Total direct expense per ton	28.95	60.96	13.91
Total dir & ovhd exp per ton	49.13	70.07	28.69
Less govt & other income	48.76	70.07	28.69
With labor & management	60.29	93.27	43.06
Net value per unit	45.17	43.14	45.30
Machinery cost per acre	46.49	40.78	19.06
Est. labor hours per acre	1.22	1.36	0.55

Crop Enterprise Analysis
2010 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

Hay, Grass on Owned Land, Cash Rent, Share Rent, Rented Out

	Owned Land
Number of fields	9
Number of farms	8
Acres	93.43
Yield per acre (ton)	1.58
Operators share of yield %	100.00
Value per ton	41.63
Total product return per acre	65.71
Gross return per acre	65.71
Direct Expenses	
Seed	0.57
Fertilizer	5.70
Crop chemicals	0.51
Fuel & oil	5.08
Repairs	10.18
Repair, machinery	1.07
Custom hire	1.74
Repair, buildings	0.50
Land rent	-
Operating interest	4.14
Miscellaneous	3.75
Total direct expenses per acre	33.24
Return over direct exp per acre	32.48
Overhead Expenses	
Custom hire	13.08
Hired labor	1.65
RE & pers. property taxes	3.73
Farm insurance	1.50
Utilities	0.77
Interest	7.26
Mach & bldg depreciation	6.92
Miscellaneous	2.99
Total overhead expenses per acre	37.89
Total dir & ovhd expenses per acre	71.13
Net return per acre	-5.41
Government payments	-
Net return with govt pmts	-5.41
Labor & management charge	16.47
Net return over lbr & mgt	-21.89
Cost of Production	
Total direct expense per ton	21.05
Total dir & ovhd exp per ton	45.06
Less govt & other income	45.06
With labor & management	55.49
Net value per unit	41.63
Machinery cost per acre	40.46
Est. labor hours per acre	0.70

Crop Enterprise Analysis
2010 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

Pasture on Owned Land, Cash Rent, Share Rent, Rented Out

	<u>Owned Land</u>	<u>Cash Rent</u>
Number of fields	41	18
Number of farms	28	16
Acres	116.91	129.21
Yield per acre (aum)	2.93	2.96
Operators share of yield %	100.00	100.00
Value per aum	10.03	10.18
Total product return per acre	29.38	30.15
Gross return per acre	29.38	30.15
Direct Expenses		
Seed	0.25	0.59
Fertilizer	17.48	8.34
Crop chemicals	0.18	0.01
Crop insurance	0.18	0.02
Fuel & oil	2.44	2.03
Repairs	1.99	1.29
Repair, machinery	1.96	1.85
Custom hire	0.98	1.56
Hired labor	0.44	0.71
Land rent	-	31.04
Utilities	0.38	0.72
Operating interest	1.56	1.35
Miscellaneous	0.53	0.34
Total direct expenses per acre	28.37	43.45
Return over direct exp per acre	1.01	-13.30
Overhead Expenses		
Hired labor	1.87	0.69
RE & pers. property taxes	2.75	0.72
Farm insurance	1.00	1.14
Utilities	0.59	0.61
Dues & professional fees	0.22	0.19
Interest	5.90	0.10
Mach & bldg depreciation	4.07	2.47
Miscellaneous	1.12	1.18
Total overhead expenses per acre	17.53	7.06
Total dir & ovhd expenses per acre	45.90	50.52
Net return per acre	-16.52	-20.37
Government payments	-	-
Net return with govt pmts	-16.52	-20.37
Labor & management charge	6.35	7.56
Net return over lbr & mgt	-22.87	-27.92
Cost of Production		
Total direct expense per aum	9.69	14.67
Total dir & ovhd exp per aum	15.67	17.06
Less govt & other income	15.67	17.06
With labor & management	17.84	19.61
Net value per unit	10.03	10.18
Machinery cost per acre	11.82	8.45
Est. labor hours per acre	0.44	0.44

Crop Enterprise Analysis
2010 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

CRP on Owned Land, Cash Rent, Share Rent, Rented Out

	Owned Land
Number of fields	12
Number of farms	5
Acres	80.61
Yield per acre (\$)	72.07
Operators share of yield %	100.00
Value per \$	1.00
Total product return per acre	72.07
Other crop income per acre	2.76
Gross return per acre	74.84
Direct Expenses	
Fuel & oil	5.91
Repair, machinery	5.49
Custom hire	4.43
Repair, buildings	1.90
Utilities	0.33
Total direct expenses per acre	14.46
Return over direct exp per acre	60.37
Overhead Expenses	
Hired labor	2.01
RE & pers. property taxes	5.26
Farm insurance	3.36
Utilities	1.57
Dues & professional fees	0.94
Interest	6.06
Mach & bldg depreciation	8.41
Miscellaneous	1.36
Total overhead expenses per acre	25.83
Total dir & ovhd expenses per acre	40.29
Net return per acre	34.55
Government payments	9.87
Net return with govt pmts	44.41
Labor & management charge	11.54
Net return over lbr & mgt	32.87
Cost of Production	
Total direct expense per \$	0.20
Total dir & ovhd exp per \$	0.56
Less govt & other income	0.38
With labor & management	0.54
Net value per unit	1.00
Machinery cost per acre	21.06
Est. labor hours per acre	0.63

Crop Enterprise Analysis
2010 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

Prevented planting on Owned Land, Cash Rent, Share Rent, Rented Out

	<u>Owned Land</u>	<u>Cash Rent</u>	<u>Share Rent</u>
Number of fields	21	15	5
Number of farms	11	6	4
Acres	63.90	66.55	22.76
Yield per acre	-	-	-
Operators share of yield %	-	-	-
Value per 0	-	-	-
Total product return per acre	-	-	-
Crop insurance per acre	261.10	188.92	110.13
Other crop income per acre	0.66	4.38	3.94
Gross return per acre	261.76	193.30	114.08
Direct Expenses			
Fertilizer	11.10	36.88	27.80
Crop insurance	14.84	18.67	11.18
Fuel & oil	4.14	9.55	7.49
Repairs	3.84	10.12	7.40
Repair, machinery	1.99	3.59	5.90
Custom hire	24.70	0.30	-
Repair, buildings	0.53	0.50	0.94
Hired labor	12.02	3.01	-
Land rent	-	133.76	-
Machinery leases	0.80	4.55	4.28
Utilities	0.68	2.31	1.61
Operating interest	1.40	1.92	0.47
Miscellaneous	2.07	1.29	-
Total direct expenses per acre	78.11	186.37	67.08
Return over direct exp per acre	183.65	6.93	47.00
Overhead Expenses			
Custom hire	1.74	2.56	1.29
Hired labor	2.60	1.55	2.84
RE & pers. property taxes	3.03	0.74	0.62
Farm insurance	2.00	3.05	2.60
Utilities	0.56	0.70	0.58
Dues & professional fees	0.78	1.98	2.04
Interest	19.32	0.53	1.24
Mach & bldg depreciation	7.38	14.35	9.72
Miscellaneous	1.72	8.80	8.37
Total overhead expenses per acre	39.12	27.77	29.29
Total dir & ovhd expenses per acre	117.23	214.14	96.37
Net return per acre	144.53	-20.84	17.71
Government payments	16.01	11.74	10.35
Net return with govt pmts	160.54	-9.10	28.06
Labor & management charge	11.77	18.43	18.24
Net return over lbr & mgt	148.77	-27.53	9.82
Cost of Production			
Total direct expense per 0	-	-	-
Total dir & ovhd exp per 0	-	-	-
Less govt & other income	-	-	-
With labor & management	-	-	-
Net value per unit	-	-	-
Machinery cost per acre	52.92	36.18	37.31
Est. labor hours per acre	0.83	0.89	0.83

