

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
2011 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	92	99	92	18
Number of farms	55	48	42	10
Acres	117.43	113.43	112.91	79.94
Yield per acre (bu.)	121.10	110.95	113.32	124.62
Operators share of yield %	100.00	100.00	45.28	47.80
Value per bu.	5.99	6.05	6.08	5.91
Total product return per acre	725.00	671.26	311.71	352.03
Hedging gains/losses per acre	0.01	-0.73	0.04	-
Crop insurance per acre	24.24	22.44	3.90	0.80
Other crop income per acre	0.48	3.28	0.68	-
Gross return per acre	749.74	696.24	316.33	352.83
Direct Expenses				
Seed	76.89	82.88	40.43	33.85
Fertilizer	171.45	182.70	79.41	70.10
Crop chemicals	44.56	42.27	19.06	14.04
Crop insurance	21.89	27.59	10.31	7.36
Drying expense	4.40	3.55	2.02	0.16
Storage	0.13	3.17	0.65	-
Fuel & oil	24.91	28.13	20.74	6.48
Repairs	20.52	25.10	19.71	6.92
Repair, machinery	6.81	4.51	4.08	9.44
Custom hire	8.31	3.57	4.14	6.78
Repair, buildings	0.86	0.39	0.96	0.63
Hired labor	10.66	12.35	3.71	0.46
Land rent	-	122.08	-	-
Machinery leases	0.96	5.70	1.24	-
Utilities	4.80	2.88	1.87	3.75
Hauling and trucking	0.92	0.26	0.02	-
Marketing	0.44	0.74	0.50	-
Operating interest	3.86	8.10	2.31	0.39
Miscellaneous	1.23	2.88	1.60	0.17
Total direct expenses per acre	403.09	552.15	212.74	160.53
Return over direct exp per acre	346.66	144.10	103.58	192.30
Overhead Expenses				
Custom hire	8.82	2.52	2.35	7.82
Hired labor	6.39	3.92	2.48	2.36
Machinery leases	2.44	0.52	0.04	0.02
Building leases	0.03	2.44	0.80	-
RE & pers. property taxes	8.66	0.79	0.55	5.30
Farm insurance	9.51	6.12	4.00	2.83
Utilities	2.43	0.93	0.72	0.98
Dues & professional fees	1.57	2.70	1.22	5.80
Interest	25.44	3.55	1.92	3.70
Mach & bldg depreciation	49.68	33.79	39.80	14.29
Miscellaneous	9.65	8.42	5.49	3.23
Total overhead expenses per acre	124.40	65.40	59.36	46.33
Total dir & ovhd expenses per acre	527.48	617.54	272.11	206.86
Net return per acre	222.26	78.70	44.22	145.97
Government payments	19.73	18.61	7.85	7.21
Net return with govt pmts	241.99	97.31	52.07	153.18
Labor & management charge	41.20	39.76	33.00	36.02
Net return over lbr & mgt	200.79	57.55	19.07	117.16
Cost of Production				
Total direct expense per bu.	3.33	4.98	4.15	2.69
Total dir & ovhd exp per bu.	4.36	5.57	5.30	3.47
Less govt & other income	3.99	5.17	5.06	3.34
With labor & management	4.33	5.53	5.70	3.94
Net value per unit	5.99	6.04	6.08	5.91
Machinery cost per acre	123.90	106.05	92.98	52.20
Est. labor hours per acre	2.73	2.49	2.01	1.77

Crop Enterprise Analysis
2011 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	114	131	120	19
Number of farms	59	53	47	8
Acres	128.98	100.78	110.10	99.18
Yield per acre (bu.)	42.07	39.72	38.99	42.68
Operators share of yield %	100.00	100.00	46.81	50.00
Value per bu.	11.74	11.80	12.01	11.60
Total product return per acre	494.07	468.89	219.24	247.64
Hedging gains/losses per acre	0.02	0.02	0.02	-
Crop insurance per acre	10.02	18.68	4.71	2.17
LDP income per acre	0.01	0.06	0.00	-
Other crop income per acre	1.57	3.39	0.66	-
Gross return per acre	505.69	491.04	224.63	249.81
Direct Expenses				
Seed	52.79	49.90	24.84	25.98
Fertilizer	42.81	46.86	19.58	34.62
Crop chemicals	42.17	38.64	17.90	14.89
Crop insurance	18.00	17.98	8.48	5.11
Fuel & oil	19.05	22.59	17.32	4.93
Repairs	15.07	19.93	18.16	4.04
Repair, machinery	6.86	4.03	3.43	8.27
Custom hire	6.24	2.87	3.18	4.25
Repair, buildings	0.93	0.56	1.01	0.62
Hired labor	10.62	8.25	2.98	0.42
Land rent	-	117.68	-	-
Machinery leases	1.05	4.61	1.08	-
Utilities	3.35	2.30	1.38	-
Operating interest	2.81	4.35	1.82	0.27
Miscellaneous	1.90	3.60	2.11	0.82
Total direct expenses per acre	220.87	342.88	123.26	104.21
Return over direct exp per acre	284.82	148.16	101.37	145.60
Overhead Expenses				
Custom hire	6.07	2.16	2.58	7.69
Hired labor	7.34	3.12	2.53	0.82
Machinery leases	1.22	0.17	0.27	0.02
Building leases	0.03	2.25	0.62	-
RE & pers. property taxes	7.59	0.60	0.62	4.08
Farm insurance	7.29	4.44	4.51	2.00
Utilities	2.04	0.84	0.74	0.73
Dues & professional fees	1.74	1.67	1.14	2.58
Interest	20.97	3.15	1.66	1.64
Mach & bldg depreciation	33.20	26.28	35.70	3.92
Miscellaneous	7.73	6.64	4.30	2.10
Total overhead expenses per acre	93.97	51.04	54.69	25.59
Total dir & ovhd expenses per acre	314.84	393.92	177.95	129.81
Net return per acre	190.85	97.12	46.69	120.01
Government payments	19.29	17.97	7.50	6.07
Net return with govt prmts	210.14	115.09	54.18	126.08
Labor & management charge	31.81	33.21	29.97	22.85
Net return over lbr & mgt	178.33	81.88	24.21	103.23
Cost of Production				
Total direct expense per bu.	5.25	8.63	6.75	4.88
Total dir & ovhd exp per bu.	7.48	9.92	9.75	6.08
Less govt & other income	6.75	8.91	9.04	5.70
With labor & management	7.51	9.74	10.69	6.77
Net value per unit	11.74	11.81	12.01	11.60
Machinery cost per acre	88.91	84.64	82.65	33.03
Est. labor hours per acre	2.21	1.91	1.78	1.11

Crop Enterprise Analysis
2011 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>	<u>Share Rent</u>
Number of fields	19	15	31
Number of farms	15	12	14
Acres	53.08	76.06	50.85
Yield per acre (bu.)	56.63	52.06	53.39
Operators share of yield %	100.00	100.00	50.96
Value per bu.	6.34	6.45	6.33
Total product return per acre	358.95	335.75	172.29
Hedging gains/losses per acre	-	-	0.00
Crop insurance per acre	0.64	0.44	0.30
LDP income per acre	-	0.63	-
Other crop income per acre	11.15	3.10	0.97
Gross return per acre	370.75	339.91	173.56
Direct Expenses			
Seed	25.45	26.55	15.69
Fertilizer	106.98	117.01	55.49
Crop chemicals	24.40	20.72	13.07
Crop insurance	15.43	14.52	8.28
Drying expense	-	0.70	-
Fuel & oil	17.94	22.81	13.66
Repairs	11.71	12.42	14.74
Repair, machinery	8.27	18.30	2.97
Custom hire	9.23	0.96	1.79
Repair, buildings	1.15	0.97	0.78
Hired labor	6.30	9.06	3.95
Land rent	-	85.59	-
Machinery leases	6.20	8.30	0.61
Utilities	1.16	1.71	1.05
Operating interest	4.84	3.67	3.03
Miscellaneous	0.62	0.48	0.04
Total direct expenses per acre	239.68	343.76	135.13
Return over direct exp per acre	131.06	-3.84	38.43
Overhead Expenses			
Custom hire	3.76	1.92	3.31
Hired labor	8.38	6.19	4.23
Machinery leases	1.46	0.23	1.19
RE & pers. property taxes	5.41	0.38	0.23
Farm insurance	3.85	3.44	3.54
Utilities	1.37	1.19	0.98
Dues & professional fees	0.61	1.02	1.09
Interest	29.05	1.72	1.07
Mach & bldg depreciation	22.38	15.58	26.56
Miscellaneous	1.61	2.76	2.08
Total overhead expenses per acre	77.88	34.42	44.28
Total dir & ovhd expenses per acre	317.56	378.18	179.42
Net return per acre	53.18	-38.27	-5.86
Government payments	16.98	13.96	8.06
Net return with govt pmts	70.16	-24.31	2.21
Labor & management charge	21.27	22.57	26.64
Net return over lbr & mgt	48.89	-46.88	-24.44
Cost of Production			
Total direct expense per bu.	4.23	6.60	4.97
Total dir & ovhd exp per bu.	5.61	7.26	6.59
Less govt & other income	5.10	6.92	6.25
With labor & management	5.47	7.35	7.23
Net value per unit	6.34	6.46	6.33
Machinery cost per acre	82.72	81.99	65.82
Est. labor hours per acre	1.98	1.97	1.38

Crop Enterprise Analysis
2011 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	39	15	13
Number of farms	28	12	11
Acres	56.76	94.53	59.08
Yield per acre (ton)	1.77	2.14	2.13
Operators share of yield %	100.00	100.00	59.62
Value per ton	46.36	64.24	55.59
Total product return per acre	82.17	137.69	70.65
Crop insurance per acre	-	-	4.83
Other crop income per acre	0.01	-	-
Gross return per acre	82.19	137.69	75.47
Direct Expenses			
Seed	0.45	0.73	-
Fertilizer	22.78	49.24	9.64
Crop chemicals	1.36	-	-
Crop insurance	-	-	2.42
Fuel & oil	8.72	10.92	13.79
Repairs	9.42	10.38	11.92
Repair, machinery	2.85	0.80	0.10
Custom hire	6.12	6.34	7.46
Hired labor	0.41	0.44	0.67
Land rent	-	61.14	-
Machinery leases	-	1.84	-
Utilities	0.89	1.14	1.86
Operating interest	2.19	2.23	0.38
Miscellaneous	1.05	0.46	0.16
Total direct expenses per acre	53.36	133.43	45.62
Return over direct exp per acre	28.82	4.26	29.85
Overhead Expenses			
Custom hire	6.09	2.44	0.03
Hired labor	5.63	0.60	0.04
RE & pers. property taxes	4.45	1.18	0.94
Farm insurance	2.44	3.40	4.11
Utilities	1.61	1.35	0.96
Dues & professional fees	0.57	0.67	0.74
Interest	11.05	0.72	0.12
Mach & bldg depreciation	11.71	19.20	9.31
Miscellaneous	3.22	2.04	2.64
Total overhead expenses per acre	44.89	27.90	18.07
Total dir & ovhd expenses per acre	98.25	161.33	63.69
Net return per acre	-16.06	-23.64	11.79
Government payments	-	-	-
Net return with govt pmts	-16.06	-23.64	11.79
Labor & management charge	17.81	39.67	16.18
Net return over lbr & mgt	-33.87	-63.31	-4.40
Cost of Production			
Total direct expense per ton	30.10	62.25	35.90
Total dir & ovhd exp per ton	55.42	75.27	50.11
Less govt & other income	55.42	75.27	46.32
With labor & management	65.46	93.78	59.05
Net value per unit	46.36	64.24	55.59
Machinery cost per acre	43.69	44.51	40.27
Est. labor hours per acre	1.35	1.15	1.18

Crop Enterprise Analysis
2011 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

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

	<u>Owned Land</u>	<u>Share Rent</u>
Number of fields	9	7
Number of farms	7	4
Acres	63.13	50.71
Yield per acre (ton)	1.64	2.68
Operators share of yield %	100.00	42.88
Value per ton	47.04	47.13
Total product return per acre	77.16	54.14
Crop insurance per acre	0.80	-
Gross return per acre	77.96	54.14
Direct Expenses		
Seed	5.32	3.38
Fertilizer	18.64	5.58
Crop chemicals	1.18	-
Fuel & oil	12.80	9.38
Repairs	20.40	10.18
Repair, machinery	1.54	5.00
Custom hire	9.35	2.22
Repair, buildings	0.53	0.47
Land rent	-	-
Operating interest	15.31	1.77
Miscellaneous	1.19	-
Total direct expenses per acre	60.70	37.98
Return over direct exp per acre	17.25	16.16
Overhead Expenses		
Custom hire	1.39	6.65
Hired labor	0.64	3.58
RE & pers. property taxes	7.66	0.16
Farm insurance	4.35	3.48
Utilities	1.99	1.61
Dues & professional fees	0.60	0.49
Interest	6.86	0.09
Mach & bldg depreciation	21.33	5.46
Miscellaneous	3.59	2.04
Total overhead expenses per acre	36.20	23.56
Total dir & ovhd expenses per acre	96.91	61.54
Net return per acre	-18.95	-7.40
Government payments	-	-
Net return with govt pmts	-18.95	-7.40
Labor & management charge	24.55	17.72
Net return over lbr & mgt	-43.49	-25.12
Cost of Production		
Total direct expense per ton	37.01	33.06
Total dir & ovhd exp per ton	59.08	53.57
Less govt & other income	58.59	53.57
With labor & management	73.55	69.00
Net value per unit	47.04	47.13
Machinery cost per acre	50.00	38.96
Est. labor hours per acre	1.00	1.49

Crop Enterprise Analysis
2011 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	57	33
Number of farms	44	27
Acres	119.20	101.90
Yield per acre (aum)	3.37	3.19
Operators share of yield %	100.00	100.00
Value per aum	11.41	11.31
Total product return per acre	38.45	36.08
Crop insurance per acre	0.54	-
Other crop income per acre	0.35	-
Gross return per acre	39.35	36.08
Direct Expenses		
Fertilizer	24.42	15.29
Crop chemicals	1.39	1.38
Fuel & oil	2.82	3.34
Repairs	2.63	3.73
Repair, machinery	0.88	0.94
Custom hire	1.69	0.99
Hired labor	1.63	0.49
Land rent	-	36.43
Utilities	0.43	0.59
Operating interest	1.44	1.47
Miscellaneous	1.28	1.35
Total direct expenses per acre	35.93	58.30
Return over direct exp per acre	3.42	-22.22
Overhead Expenses		
Custom hire	0.84	0.23
Hired labor	1.01	1.05
RE & pers. property taxes	2.78	0.21
Farm insurance	0.97	1.26
Utilities	0.58	0.43
Dues & professional fees	0.25	0.22
Interest	5.30	0.26
Mach & bldg depreciation	4.70	4.25
Miscellaneous	0.59	0.87
Total overhead expenses per acre	13.92	8.06
Total dir & ovhd expenses per acre	49.84	66.36
Net return per acre	-10.50	-30.28
Government payments	0.26	1.04
Net return with govt pmts	-10.23	-29.24
Labor & management charge	4.92	7.25
Net return over lbr & mgt	-15.16	-36.49
Cost of Production		
Total direct expense per aum	10.66	18.28
Total dir & ovhd exp per aum	14.79	20.81
Less govt & other income	14.44	20.48
With labor & management	15.90	22.75
Net value per unit	11.41	11.31
Machinery cost per acre	12.02	12.14
Est. labor hours per acre	0.33	0.44

Crop Enterprise Analysis
2011 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	18
Number of farms	9
Acres	109.78
Yield per acre (\$)	71.74
Operators share of yield %	100.00
Value per \$	1.00
Total product return per acre	71.74
Other crop income per acre	1.57
Gross return per acre	73.31
Direct Expenses	
Fertilizer	2.84
Fuel & oil	3.31
Repair, machinery	4.28
Custom hire	14.39
Repair, buildings	0.67
Total direct expenses per acre	25.93
Return over direct exp per acre	47.38
Overhead Expenses	
Custom hire	0.76
Hired labor	1.56
RE & pers. property taxes	2.77
Farm insurance	1.60
Utilities	0.96
Dues & professional fees	0.67
Interest	3.75
Mach & bldg depreciation	4.77
Miscellaneous	0.61
Total overhead expenses per acre	17.39
Total dir & ovhd expenses per acre	43.32
Net return per acre	29.99
Government payments	2.54
Net return with govt pmts	32.53
Labor & management charge	9.52
Net return over lbr & mgt	23.01
Cost of Production	
Total direct expense per \$	0.36
Total dir & ovhd exp per \$	0.60
Less govt & other income	0.55
With labor & management	0.68
Net value per unit	1.00
Machinery cost per acre	27.40
Est. labor hours per acre	0.54

Crop Enterprise Analysis
2011 Missouri FBMA Farm Summary
(Farms Sorted By Crop Tenure Type)

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

	Owned Land
Number of fields	5
Number of farms	5
Acres	33.52
Yield per acre (ton)	14.62
Operators share of yield %	100.00
Value per ton	37.30
Total product return per acre	545.20
Crop insurance per acre	4.65
Gross return per acre	549.85
Direct Expenses	
Seed	76.33
Fertilizer	152.39
Crop chemicals	29.18
Crop insurance	31.43
Storage	0.01
Fuel & oil	31.95
Repairs	19.70
Repair, machinery	12.70
Custom hire	15.37
Repair, buildings	2.33
Land rent	-
Utilities	3.04
Operating interest	3.75
Total direct expenses per acre	378.63
Return over direct exp per acre	171.22
Overhead Expenses	
Custom hire	35.30
Hired labor	48.05
RE & pers. property taxes	3.53
Farm insurance	4.75
Utilities	5.56
Dues & professional fees	1.27
Interest	8.64
Mach & bldg depreciation	21.13
Miscellaneous	7.67
Total overhead expenses per acre	135.89
Total dir & ovhd expenses per acre	514.53
Net return per acre	35.33
Government payments	15.93
Net return with govt pmts	51.26
Labor & management charge	46.33
Net return over lbr & mgt	4.93
Cost of Production	
Total direct expense per ton	25.90
Total dir & ovhd exp per ton	35.20
Less govt & other income	33.79
With labor & management	36.96
Net value per unit	37.30
Machinery cost per acre	139.95
Est. labor hours per acre	4.41

