

Table 3. 2014 Estimated Production Costs and Returns - Irrigated Alfalfa in Northeastern Colorado.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production Your Farm
GROSS RECEIPTS FROM PRODUCTION:					
ALFALFA (Round Bales)	TONS	195.00	5.00	975.00	
TOTAL RECEIPTS				975.00	195.00
DIRECT COSTS					
Operating Preharvest					
ESTABLISHMENT ALLOCATION (5 Years)	DOLS	52.25	1.00	52.25	10.45
FERTILIZER	DOLS	77.13	1.00	77.13	15.43
HERBICIDE	DOLS	26.32	1.00	26.32	5.26
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	1.40
INSECTICIDE	DOLS	18.79	1.00	18.79	3.76
IRRIGATION ENERGY	DOLS	75.59	1.00	75.59	15.12
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	2.05
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	14.00
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	1.60
INTEREST EXPENSE ³	DOLS			12.09	2.42
Total Preharvest	DOLS			357.41	71.48
Operating Harvest					
FUEL	DOLS			4.19	0.84
REPAIR & MAINTENANCE	DOLS			8.64	1.73
LABOR	DOLS			4.21	1.00
BALING ¹	DOLS			100.00	20.00
HAULING/STACKING ²	DOLS			20.00	4.00
Total Harvest				137.04	27.41
Total Operating Costs				494.45	98.89
Property and Ownership Costs					
MACHINERY OWNERSHIP COSTS	DOLS			16.43	3.29
GENERAL FARM OVERHEAD	DOLS			10.00	2.00
REAL ESTATE TAXES	DOLS			15.42	3.08
Total Property and Ownership Costs	DOLS			41.85	8.37
TOTAL DIRECT COSTS				536.30	107.26
NET RECEIPTS BEFORE FACTOR PAYMENTS				438.70	87.74
FACTOR PAYMENTS					
LAND @ 4.00%	DOLS			200.00	40.00
RETURN TO MANAGEMENT AND RISK	DOLS			238.70	47.74

1 Baling = \$15/Bale (Round Baler)

2 Hauling/Stacking = \$3/Bale

3 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES				
		\$/TON				
		-25%	-10%	\$ 195.00	+10%	+25%
ALTERNATIVE YIELDS	-25%	\$ 146.25	\$ 175.50	\$ 195.00	\$ 214.50	\$ 243.75
	-10%	\$ 121.83	\$ 121.83	\$ 194.95	\$ 268.08	\$ 377.77
	5.0	\$ 121.83	\$ 253.45	\$ 341.20	\$ 428.95	\$ 560.58
TONS	5.0	\$ 194.95	\$ 341.20	\$ 438.70	\$ 536.20	\$ 682.45
	+10%	\$ 268.08	\$ 428.95	\$ 536.20	\$ 643.45	\$ 804.33
	+25%	\$ 377.77	\$ 560.58	\$ 682.45	\$ 804.33	\$ 987.14

Table 4. 2014 Estimated Production Costs and Returns - Irrigated Pinto Beans in Northeastern Colorado

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
PINTO BEANS	CWT	29.45	25.00	736.25		
TOTAL RECEIPTS				736.25	29.45	
Direct Costs						
Operating Preharvest						
SEED	DOLS	49.92	1.00	49.92	2.00	
FERTILIZER	DOLS	108.18	1.00	108.18	4.33	
HERBICIDE	DOLS	35.60	1.00	35.60	1.42	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.28	
INSECTICIDE	DOLS	7.65	1.00	7.65	0.31	
FUNGICIDE	DOLS	26.29	1.00	26.29	1.05	
IRRIGATION ENERGY	DOLS	46.75	1.00	46.75	1.87	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.41	
CROP INSURANCE	DOLS	28.60	1.00	28.60	1.14	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.80	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.32	
CROP CONSULTANT	DOLS	7.00	1.00	7.00	0.28	
FUEL	DOLS			11.05	0.44	
REPAIR & MAINTENANCE	DOLS			5.37	0.21	
LABOR	DOLS			3.65	0.15	
INTEREST EXPENSE ²	DOLS			14.89	0.60	
Total Preharvest	DOLS			440.19	17.61	
Operating Preharvest						
FUEL	DOLS			22.27	0.89	
REPAIR & MAINTENANCE	DOLS			8.51	0.34	
LABOR	DOLS			6.06	0.24	
HAULING ¹	DOLS			5.75	0.23	
Total Harvest				42.59	1.70	
Total Operating Costs				482.78	19.31	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			60.03	2.40	
GENERAL FARM OVERHEAD	DOLS			10.00	0.40	
REAL ESTATE TAXES	DOLS			15.42	0.62	
Total Property and Ownership Costs	DOLS			85.45	3.42	
TOTAL DIRECT COSTS:				568.23	22.73	
NET RECEIPTS BEFORE FACTOR PAYMENTS				168.02	6.72	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			200.00	8.00	
RETURN TO MANAGEMENT AND RISK	DOLS			-31.98	-1.28	

¹ Hauling Machinery & Labor Charges = \$0.23/CWT

² Interest on Operating Capital is Included in Pre-Harvest Operating Costs, Calculated at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES			
		\$/CWT			
		-25%	-10%	+10%	+25%
		\$ 22.09	\$ 26.51	\$ 29.45	\$ 32.40
ALTERNATIVE YIELDS	-25%	\$ (154.08)	\$ (71.26)	\$ (16.04)	\$ 39.18
	-10%	\$ (71.26)	\$ 28.14	\$ 94.40	\$ 160.66
	CWT	\$ (16.04)	\$ 94.40	\$ 168.02	\$ 241.65
	+10%	\$ 39.18	\$ 160.66	\$ 241.65	\$ 322.64
	+25%	\$ 122.01	\$ 260.06	\$ 352.09	\$ 444.12
		\$ 352.09	\$ 444.12	\$ 582.17	\$ 582.17

Table 5. 2014 Estimated Production Costs and Returns - Irrigated Corn in Northeastern Colorado.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
CORN	BU	4.10	230.00	943.00		
TOTAL RECEIPTS				943.00	4.10	
DIRECT COSTS						
Operating Preharvest						
SEED	DOLS	83.69	1.00	83.69	0.36	
FERTILIZER	DOLS	121.00	1.00	121.00	0.53	
HERBICIDE (APPLIED)	DOLS	28.58	1.00	28.58	0.12	
INSECTICIDE	DOLS	14.42	1.00	14.42	0.06	
IRRIGATION ENERGY	DOLS	77.38	1.00	77.38	0.34	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.04	
CROP INSURANCE	DOLS	57.00	1.00	57.00	0.25	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	0.30	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.03	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.03	
FUEL	DOLS			19.06	0.08	
REPAIR & MAINTENANCE	DOLS			7.61	0.03	
LABOR	DOLS			8.40	0.04	
INTEREST EXPENSE ²	DOLS			17.97	0.08	
Total Preharvest	DOLS			531.35	2.31	
Operating Harvest						
FUEL	DOLS			5.89	0.03	
REPAIR & MAINTENANCE	DOLS			5.09	0.02	
LABOR	DOLS			1.66	0.01	
HAULING ¹	DOLS			46.00	0.20	
Total Harvest				58.64	0.25	
Total Operating Costs				589.99	2.57	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			52.79	0.23	
GENERAL FARM OVERHEAD	DOLS			10.00	0.04	
REAL ESTATE TAXES	DOLS			15.42	0.07	
Total Property and Ownership Costs	DOLS			78.21	0.34	
TOTAL DIRECT COSTS				668.20	2.91	
NET RECEIPTS BEFORE FACTOR PAYMENTS				274.80	1.19	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			200.00	0.87	
RETURN TO MANAGEMENT AND RISK	DOLS			74.80	0.33	

1 Hauling Machinery & Labor Charges = \$0.20/Bushel

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES					
		\$/BU					
		-25%	-10%		+10%	+25%	
		\$ 3.08	\$ 3.69	\$ 4.10	\$ 4.51	\$ 5.13	
ALTERNATIVE YIELDS	-25%	172.5	\$ (137.76)	\$ (31.67)	\$ 39.05	\$ 109.78	\$ 215.86
	-10%	207.0	\$ (31.67)	\$ 95.63	\$ 180.50	\$ 265.37	\$ 392.68
BUSHEL		230.0	\$ 39.05	\$ 180.50	\$ 274.80	\$ 369.10	\$ 510.55
	+10%	253.0	\$ 109.78	\$ 265.37	\$ 369.10	\$ 472.83	\$ 628.43
	+25%	287.5	\$ 215.86	\$ 392.68	\$ 510.55	\$ 628.43	\$ 805.24

Table 6. 2014 Estimated Production Costs and Returns - Irrigated Sugarbeets in Northeastern Colorado

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
SUGARBEETS	CWT	45.00	33.00	1485.00		
TOTAL RECEIPTS				1485.00	45.00	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	82.47	1.00	82.47	2.50	
FERTILIZER	DOLS	101.63	1.00	101.63	3.08	
HERBICIDE	DOLS	116.78	1.00	116.78	3.54	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.21	
INSECTICIDE	DOLS	12.54	1.00	12.54	0.38	
FUNGICIDE	DOLS	25.32	1.00	25.32	0.77	
IRRIGATION ENERGY	DOLS	97.07	1.00	97.07	2.94	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.31	
CROP INSURANCE	DOLS	57.00	1.00	57.00	1.73	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.12	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.24	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.24	
FUEL	DOLS			24.18	0.73	
REPAIR & MAINTENANCE	DOLS			12.48	0.38	
LABOR	DOLS			9.79	0.30	
INTEREST EXPENSE ²	DOLS			22.49	0.68	
Total Preharvest	DOLS			664.99	20.15	
Operating Harvest						
FUEL	DOLS			32.05	0.97	
REPAIR & MAINTENANCE	DOLS			92.19	2.79	
LABOR	DOLS			9.00	0.27	
HAULING ¹	DOLS			166.65	5.05	
Total Harvest				299.89	9.09	
Total Operating Costs				964.88	29.24	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			132.23	4.01	
GENERAL FARM OVERHEAD	DOLS			30.00	0.91	
REAL ESTATE TAXES	DOLS			15.42	0.47	
PAYMENT ON COOP SHARE ³	DOLS			43.92	1.33	
Total Property and Ownership Costs	DOLS			221.57	5.38	
TOTAL DIRECT COSTS:				1186.45	34.62	
NET RECEIPTS BEFORE FACTOR PAYMENTS				298.55	10.38	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			200.00	6.06	
RETURN TO MANAGEMENT AND RISK	DOLS			98.55	4.32	

1 Hauling Machinery & Labor Charges = \$2.5/CWT and \$0.17 per ton per loaded mile (15 Miles)

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

3 \$185 Annualized over 5 years at 6% interest

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES					
		\$/CWT					
		-25%	-10%		+10%	+25%	
		\$ 33.75	\$ 40.50	\$ 45.00	\$ 49.50	\$ 56.25	
ALTERNATIVE YIELDS	-25%	24.8	\$(351.14)	#####	\$(72.70)	\$ 38.68	\$ 205.74
	-10%	29.7	\$(184.07)	\$ 16.40	\$ 150.05	\$ 283.70	\$ 484.18
	CWT	33.0	\$(72.70)	\$ 150.05	\$ 298.55	\$ 447.05	\$ 669.80
	+10%	36.3	\$ 38.68	\$ 283.70	\$ 447.05	\$ 610.40	\$ 855.43
	+25%	41.3	\$ 205.74	\$ 484.18	\$ 669.80	\$ 855.43	\$ 1,133.87

Table 7. 2014 Estimated Production Costs and Returns - Irrigated Oil Sunflowers in Northeastern Colorado.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production Your Farm
GROSS RECEIPTS FROM PRODUCTION:					
SUNFLOWERS	CWT	17.80	32.00	569.60	
TOTAL RECEIPTS				569.60	17.80
DIRECT COSTS:					
Operating Preharvest					
SEED	DOLS	40.72	1.00	40.72	1.27
FERTILIZER	DOLS	32.15	1.00	32.15	1.00
HERBICIDE	DOLS	44.57	1.00	44.57	1.39
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	0.44
INSECTICIDE	DOLS	16.49	1.00	16.49	0.52
IRRIGATION ENERGY	DOLS	42.97	1.00	42.97	1.34
IRRIGATION REPAIR	DOLS	10.00	1.00	10.00	0.31
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.19
CROP INSURANCE	DOLS	37.00	1.00	37.00	1.16
CUSTOM AERIAL APPLICATION	DOLS	8.05	1.00	8.05	0.25
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.25
FUEL	DOLS			4.30	0.13
REPAIR & MAINTENANCE	DOLS			1.84	0.06
LABOR	DOLS			0.84	0.03
INTEREST EXPENSE ²	DOLS			11.58	0.36
Total Preharvest	DOLS			342.51	10.70
Operating Harvest					
FUEL	DOLS			7.00	0.22
REPAIR & MAINTENANCE	DOLS			4.51	0.14
LABOR	DOLS			1.05	0.03
HAULING ¹	DOLS			8.00	0.25
Total Harvest				20.56	0.64
Total Operating Costs				363.07	11.35
Property and Ownership Costs					
MACHINERY OWNERSHIP COSTS	DOLS			18.34	0.57
GENERAL FARM OVERHEAD	DOLS			10.00	0.31
REAL ESTATE TAXES	DOLS			11.34	0.35
Total Property and Ownership Costs	DOLS			39.68	1.24
TOTAL DIRECT COSTS:				402.75	12.59
NET RECEIPTS BEFORE FACTOR PAYMENTS				166.85	5.21
FACTOR PAYMENTS					
LAND @ 4.00%	DOLS			200.00	6.25
RETURN TO MANAGEMENT AND RISK	DOLS			-33.15	-1.04

1 Hauling Machinery & Labor Charges = \$0.25/Cwt

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES					
		\$/CWT					
		-25%	-10%	17.80	+10%	+25%	
		\$ 13.35	\$ 16.02	\$ 17.80	\$ 19.58	\$ 22.25	
ALTERNATIVE YIELDS	-25%	24.0	\$ (82.35)	\$ (18.27)	\$ 24.45	\$ 67.17	\$ 131.25
	-10%	28.8	\$ (18.27)	\$ 58.62	\$ 109.89	\$ 161.15	\$ 238.05
	CWT	32.0	\$ 24.45	\$ 109.89	\$ 166.85	\$ 223.81	\$ 309.25
	+10%	35.2	\$ 67.17	\$ 161.15	\$ 223.81	\$ 286.46	\$ 380.45
	+25%	40.0	\$ 131.25	\$ 238.05	\$ 309.25	\$ 380.45	\$ 487.25

Table 8. 2014 Estimated Production Costs and Returns - Irrigated Winter Wheat in Northeastern Colorado.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
HARD RED WINTER WHEAT	BU	6.15	122.00	750.30		
TOTAL RECEIPTS				750.30	6.15	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	28.88	1.00	28.88	0.24	
FERTILIZER	DOLS	56.10	1.00	56.10	0.46	
IRRIGATION ENERGY	DOLS	43.24	1.00	43.24	0.35	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.08	
CROP INSURANCE	DOLS	55.00	1.00	55.00	0.45	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	0.57	
FUEL	DOLS			9.66	0.08	
REPAIR & MAINTENANCE	DOLS			4.92	0.04	
LABOR	DOLS			2.00	0.02	
INTEREST EXPENSE ²	DOLS			9.80	0.08	
Total Preharvest	DOLS			289.84	2.38	
Operating Harvest						
FUEL	DOLS			7.89	0.06	
REPAIR & MAINTENANCE	DOLS			3.25	0.03	
LABOR	DOLS			1.66	0.01	
HAULING ¹	DOLS			24.40	0.20	
Total Harvest				37.20	0.30	
Total Operating Costs				327.04	2.68	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			32.29	0.26	
GENERAL FARM OVERHEAD	DOLS			10.00	0.08	
REAL ESTATE TAXES	DOLS			15.42	0.13	
Total Property and Ownership Costs	DOLS			57.71	0.47	
TOTAL DIRECT COSTS:				384.75	3.15	
NET RECEIPTS BEFORE FACTOR PAYMENTS				365.55	3.00	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			200.00	1.64	
RETURN TO MANAGEMENT AND RISK	DOLS			165.55	1.36	

1 Hauling Machinery & Labor Charges = \$0.20/Bushel

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

3 Capital and Labor Payments are included in Machinery Operating and Ownership Costs.

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

			ALTERNATIVE PRICES					
			\$/BU					
			-25%	-10%	6.15	+10%	+25%	
			\$ 4.61	\$ 5.54	\$ 6.15	\$ 6.77	\$ 7.69	
ALTERNATIVE YIELDS	-25%	91.5	\$ 37.29	\$ 121.70	\$ 177.97	\$ 234.25	\$ 318.65	
	-10%	109.8	\$ 121.70	\$ 222.99	\$ 290.52	\$ 358.05	\$ 459.34	
BUSHEL		122.0	\$ 177.97	\$ 290.52	\$ 365.55	\$ 440.58	\$ 553.12	
	+10%	134.2	\$ 234.25	\$ 358.05	\$ 440.58	\$ 523.11	\$ 646.91	
	+25%	152.5	\$ 318.65	\$ 459.34	\$ 553.12	\$ 646.91	\$ 787.59	

Table 9. 2014 Estimated Production Costs and Returns - Irrigated Soybeans Northeastern Colorado (Kit Carson County)

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
SOYBEANS	BU	11.75	62.00	728.50		
TOTAL RECEIPTS				728.50	11.75	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	57.19	1.00	57.19	0.92	
FERTILIZER	DOLS	11.24	1.00	11.24	0.18	
HERBICIDE	DOLS	32.93	1.00	32.93	0.53	
IRRIGATION ENERGY	DOLS	56.34	1.00	56.34	0.91	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.17	
CROP INSURANCE	DOLS	49.00	1.00	49.00	0.79	
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	0.23	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.13	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	1.13	
FUEL	DOLS			10.56	0.17	
REPAIR & MAINTENANCE	DOLS			4.51	0.07	
LABOR	DOLS			2.97	0.05	
INTEREST EXPENSE ²	DOLS			11.44	0.18	
Total Preharvest	DOLS			338.42	5.46	
Operating Harvest						
FUEL	DOLS			5.90	0.10	
REPAIR & MAINTENANCE	DOLS			2.99	0.05	
LABOR	DOLS			1.66	0.03	
HAULING ¹	DOLS			12.40	0.20	
Total Harvest				22.95	0.37	
Total Operating Costs				361.37	5.83	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			31.52	0.51	
GENERAL FARM OVERHEAD	DOLS			10.00	0.16	
REAL ESTATE TAXES	DOLS			5.79	0.09	
Total Property and Ownership Costs	DOLS			47.31	0.76	
TOTAL DIRECT COSTS:				408.68	6.59	
NET RECEIPTS BEFORE FACTOR PAYMENTS				319.82	5.16	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			200.00	3.23	
RETURN TO MANAGEMENT AND RISK	DOLS			119.82	1.93	

1 Hauling Machinery & Labor Charges = \$0.20/Bushel

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES				
		\$/BU				
		-25%	-10%	11.75	+10%	+25%
		\$ 8.81	\$ 10.58	\$ 11.75	\$ 12.93	\$ 14.69
ALTERNATIVE YIELDS	-25%	\$ 1.10	\$ 83.05	\$ 137.69	\$ 192.33	\$ 274.28
	-10%	\$ 83.05	\$ 181.40	\$ 246.97	\$ 312.53	\$ 410.88
BUSHEL	62.0	\$ 137.69	\$ 246.97	\$ 319.82	\$ 392.67	\$ 501.94
	+10%	\$ 192.33	\$ 312.53	\$ 392.67	\$ 472.80	\$ 593.00
	+25%	\$ 274.28	\$ 410.88	\$ 501.94	\$ 593.00	\$ 729.60

Table 10. 2014 Estimated Production Costs and Returns - Irrigated Corn in South Platte Valley.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION						
CORN	BU	4.10	215.00	881.50		
TOTAL RECEIPTS				881.50	4.10	
DIRECT COSTS						
Operating Preharvest						
SEED	DOLS	61.37	1.00	61.37	0.29	
FERTILIZER	DOLS	121.00	1.00	121.00	0.56	
HERBICIDE	DOLS	73.72	1.00	73.72	0.34	
INSECTICIDE	DOLS	22.56	1.00	22.56	0.10	
IRRIGATION ENERGY	DOLS	50.36	1.00	50.36	0.23	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.05	
CROP INSURANCE	DOLS	52.00	1.00	52.00	0.24	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	0.33	
CUSTOM AERIAL SPRAY	DOLS	8.00	1.00	8.00	0.04	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.04	
FUEL	DOLS			17.40	0.08	
REPAIR & MAINTENANCE	DOLS			9.85	0.05	
LABOR	DOLS			6.01	0.03	
INTEREST EXPENSE ²	DOLS			17.66	0.08	
Total Preharvest	DOLS			528.17	2.46	
Operating Harvest						
FUEL	DOLS			7.23	0.03	
REPAIR & MAINTENANCE	DOLS			5.44	0.03	
LABOR	DOLS			1.66	0.01	
HAULING ¹	DOLS			33.63	0.16	
Total Harvest				47.96	0.22	
Total Operating Costs				576.13	2.68	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			54.94	0.26	
GENERAL FARM OVERHEAD	DOLS			10.00	0.05	
REAL ESTATE TAXES	DOLS			13.25	0.06	
Total Property and Ownership Costs	DOLS			78.19	0.36	
TOTAL DIRECT COSTS				654.32	3.04	
NET RECEIPTS BEFORE FACTOR PAYMENTS				227.18	1.06	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			200.00	0.93	
RETURN TO MANAGEMENT AND RISK	DOLS			27.18	0.13	

1 Hauling Machinery & Labor Charges = \$0.20/Bushel

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES									
		\$/BU									
		-25%	-10%		+10%	+25%					
		\$ 3.08	\$ 3.69	\$ 4.10	\$ 4.51	\$ 5.13					
ALTERNATIVE YIELDS	-25%	161.3	193.5	215.0	236.5	268.8	\$ (158.47)	\$ (59.31)	\$ 6.81	\$ 72.92	\$ 172.09
	-10%						\$ (59.31)	\$ 59.70	\$ 139.03	\$ 218.37	\$ 337.37
	BUSHEL						\$ 6.81	\$ 139.03	\$ 227.18	\$ 315.33	\$ 447.56
	+10%						\$ 72.92	\$ 218.37	\$ 315.33	\$ 412.30	\$ 557.75
	+25%						\$ 172.09	\$ 337.37	\$ 447.56	\$ 557.75	\$ 723.03

Table 11. 2014 Estimated Production Costs and Returns - Irrigated Sugar Beets in South Platte Valley.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
SUGARBEETS	TON	45.00	31.00	1395.00		
TOTAL RECEIPTS				1395.00	45.00	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	86.30	1.00	86.30	2.78	
FERTILIZER	DOLS	114.07	1.00	114.07	3.68	
HERBICIDE (APPLIED)	DOLS	97.00	1.00	97.00	3.13	
INSECTICIDE	DOLS	7.52	1.00	7.52	0.24	
FUNGICIDE	DOLS	62.13	1.00	62.13	2.00	
IRRIGATION ENERGY	DOLS	50.36	1.00	50.36	1.62	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.33	
CROP INSURANCE	DOLS	65.00	1.00	65.00	2.10	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	2.26	
CUSTOM AERIAL SPRAY	DOLS	8.00	2.00	16.00	0.52	
CROP CONSULTANT	DOLS	8.00	1.00	8.00	0.26	
HAND LABOR	DOLS	41.69	2.00	83.38	2.69	
FUEL	DOLS			29.70	0.96	
REPAIR & MAINTENANCE	DOLS			14.46	0.47	
LABOR	DOLS			10.96	0.35	
INTEREST EXPENSE ²	DOLS			25.38	0.82	
RETAINED REVENUE & DUES	DOLS	50.48	1.00	50.48	1.63	
Total Preharvest	DOLS			800.98	25.84	
Operating Harvest						
FUEL	DOLS			26.86	0.87	
REPAIR & MAINTENANCE	DOLS			91.76	2.96	
LABOR	DOLS			9.00	0.29	
HAULING ¹	DOLS			170.84	5.51	
Total Harvest				298.46	9.63	
Total Operating Costs				1099.44	35.47	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			135.10	4.36	
GENERAL FARM OVERHEAD	DOLS			30.00	0.97	
REAL ESTATE TAXES	DOLS			13.25	0.43	
PAYMENT ON COOP SHARE	DOLS			43.92	1.42	
Total Property and Ownership Costs	DOLS			222.27	5.75	
TOTAL DIRECT COSTS:				1321.71	41.22	
NET RECEIPTS BEFORE FACTOR PAYMENTS				73.29	3.78	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			200.00	6.45	
RETURN TO MANAGEMENT AND RISK	DOLS			-126.71	-2.67	

1 Hauling Machinery & Labor Charges = \$2.5/CWT and \$0.17 per ton per loaded mile (15 Miles)

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES					
		\$/TON					
		-25%	-10%	+10%	+25%		
		\$ 33.75	\$ 40.50	\$ 45.00	\$ 49.50		
		\$ 56.25	\$ 66.21	\$ 73.29	\$ 85.25		
ALTERNATIVE YIELDS	-25%	23.3	\$ (537.02)	\$ (380.08)	\$ (275.46)	\$ (170.83)	\$ (13.90)
	-10%	27.9	\$ (380.08)	\$ (191.76)	\$ (66.21)	\$ 59.34	\$ 247.67
	TONS	31.0	\$ (275.46)	\$ (66.21)	\$ 73.29	\$ 212.79	\$ 422.04
	+10%	34.1	\$ (170.83)	\$ 59.34	\$ 212.79	\$ 366.24	\$ 596.42
	+25%	38.8	\$ (13.90)	\$ 247.67	\$ 422.04	\$ 596.42	\$ 857.98

Table 12. 2014 Estimated Production Costs and Returns - Irrigated Winter Wheat in South Platte Valley.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION:						
HARD RED WINTER WHEAT	BU	6.15	105.00	645.75		
TOTAL RECEIPTS				645.75	6.15	
DIRECT COSTS:						
Operating Preharvest						
SEED	DOLS	22.80	1.00	22.80	0.22	
FERTILIZER	DOLS	73.73	1.00	73.73	0.70	
HERBICIDE (APPLIED)	DOLS	50.59	1.00	50.59	0.48	
IRRIGATION ENERGY	DOLS	30.21	1.00	30.21	0.29	
IRRIGATION REPAIR	DOLS	10.24	1.00	10.24	0.10	
CROP INSURANCE	DOLS	53.00	1.00	53.00	0.50	
SPRINKLER LEASE	DOLS	70.00	1.00	70.00	0.67	
FUEL	DOLS			9.43	0.09	
REPAIR & MAINTENANCE	DOLS			5.11	0.05	
LABOR	DOLS			2.40	0.02	
INTEREST EXPENSE ²	DOLS			11.46	0.11	
Total Preharvest	DOLS			338.97	3.23	
OPERATING HARVEST:						
FUEL	DOLS			5.31	0.05	
REPAIR & MAINTENANCE	DOLS			3.19	0.03	
LABOR	DOLS			1.62	0.02	
HAULING ¹	DOLS			21.00	0.20	
Total Harvest				31.12	0.30	
Total Operating Costs				370.09	3.52	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			33.52	0.32	
GENERAL FARM OVERHEAD	DOLS			10.00	0.10	
REAL ESTATE TAXES	DOLS			11.77	0.11	
Total Property and Ownership Costs	DOLS			55.29	0.53	
TOTAL DIRECT COSTS:				425.38	4.05	
NET RECEIPTS BEFORE FACTOR PAYMENTS				220.37	2.10	
FACTOR PAYMENTS						
LAND @ 4.00%	DOLS			200.00	1.90	
RETURN TO MANAGEMENT AND RISK	DOLS			20.37	0.19	

1 Hauling Machinery & Labor Charges = \$0.20/Bushel

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

			ALTERNATIVE PRICES				
			\$/BU				
			-25%	-10%	6.15	+10%	+25%
			\$ 4.61	\$ 5.54	\$ 6.15	\$ 6.77	\$ 7.69
ALTERNATIVE YIELDS	-25%	78.8	\$ (62.15)	\$ 10.50	\$ 58.93	\$ 107.36	\$ 180.01
	-10%	94.5	\$ 10.50	\$ 97.67	\$ 155.79	\$ 213.91	\$ 301.09
BUSHEL		105.0	\$ 58.93	\$ 155.79	\$ 220.37	\$ 284.94	\$ 381.80
	+10%	115.5	\$ 107.36	\$ 213.91	\$ 284.94	\$ 355.97	\$ 462.52
	+25%	131.3	\$ 180.01	\$ 301.09	\$ 381.80	\$ 462.52	\$ 583.60

Table 13. 2014 Estimated Production Costs and Returns - Dryland Winter Wheat in Northeastern Colorado. Conventional-Till Wheat - Fallow Rotation

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION						
HARD RED WINTER WHEAT	BU	6.15	52.00	319.80		
TOTAL RECEIPTS				319.80	6.15	
DIRECT COSTS						
Operating Preharvest						
SEED	DOLS	9.08	1.00	9.08	0.17	
FERTILIZER	DOLS	31.60	1.00	31.60	0.61	
HERBICIDE	DOLS	9.72	1.00	9.72	0.19	
CUSTOM APPLICATION	DOLS	6.08	1.00	6.08	0.12	
CROP INSURANCE	DOLS	32.00	1.00	32.00	0.62	
FUEL	DOLS			11.90	0.23	
REPAIR & MAINTENANCE	DOLS			9.22	0.18	
LABOR	DOLS			2.45	0.05	
INTEREST EXPENSE ²	DOLS			3.92	0.08	
Total Preharvest	DOLS			115.97	2.23	
Operating Harvest						
FUEL	DOLS			6.75	0.13	
REPAIR & MAINTENANCE	DOLS			3.25	0.06	
LABOR	DOLS			1.65	0.03	
HAULING ¹	DOLS			10.40	0.20	
Total Harvest				22.05	0.42	
Total Operating Costs				138.02	2.65	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			46.51	0.89	
GENERAL FARM OVERHEAD	DOLS			10.00	0.19	
REAL ESTATE TAXES	DOLS			2.39	0.05	
Total Property and Ownership Costs	DOLS			58.90	1.13	
TOTAL DIRECT COSTS:				196.92	3.79	
NET RECEIPTS BEFORE FACTOR PAYMENTS				122.88	2.36	
FACTOR PAYMENTS						
LAND @ 4.00% ³	DOLS			40.00	0.77	
RETURN TO MANAGEMENT AND RISK	DOLS			82.88	1.59	

1 Hauling Machinery & Labor Charges = \$0.20/Bushel

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

3 Includes allocation of fallow acres in the rotation

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

				ALTERNATIVE PRICES				
				\$/BU				
				-25%	-10%		+10%	+25%
				\$ 4.61	\$ 5.54	\$ 6.15	\$ 6.77	\$ 7.69
ALTERNATIVE YIELDS	-25%	39.0	\$ (17.03)	\$ 18.94	\$ 42.93	\$ 66.91	\$ 102.89	
	-10%	46.8	\$ 18.94	\$ 62.12	\$ 90.90	\$ 119.68	\$ 162.85	
BUSHEL		52.0	\$ 42.93	\$ 90.90	\$ 122.88	\$ 154.86	\$ 202.83	
	+10%	57.2	\$ 66.91	\$ 119.68	\$ 154.86	\$ 190.04	\$ 242.80	
	+25%	65.0	\$ 102.89	\$ 162.85	\$ 202.83	\$ 242.80	\$ 302.77	

Table 14. 2014 Estimated Production Costs and Returns - Dryland Winter Wheat in Northeastern Colorado. Reduced-Till in a Two-Crop in Three-Year Rotation.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION						
HARD RED WINTER WHEAT	BU	6.15	60.00	369.00		
TOTAL RECEIPTS				369.00	6.15	
DIRECT COSTS						
Operating Preharvest						
SEED	DOLS	9.08	1.00	9.08	0.15	
FERTILIZER	DOLS	31.60	1.00	31.60	0.53	
HERBICIDE	DOLS	32.82	1.00	32.82	0.55	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.12	
CROP INSURANCE	DOLS	32.00	1.00	32.00	0.53	
FUEL	DOLS			7.66	0.13	
REPAIR & MAINTENANCE	DOLS			6.93	0.12	
LABOR	DOLS			2.30	0.04	
INTEREST EXPENSE ²	DOLS			4.53	0.08	
Total Preharvest	DOLS			133.92	2.23	
Operating Harvest						
FUEL	DOLS			6.75	0.11	
REPAIR & MAINTENANCE	DOLS			3.25	0.05	
LABOR	DOLS			1.65	0.03	
HAULING ¹	DOLS			12.00	0.20	
Total Harvest				23.65	0.39	
Total Operating Costs				157.57	2.63	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			35.91	0.60	
GENERAL FARM OVERHEAD	DOLS			10.00	0.17	
REAL ESTATE TAXES	DOLS			2.39	0.04	
Total Property and Ownership Costs	DOLS			48.30	0.81	
TOTAL DIRECT COSTS:				205.87	3.43	
NET RECEIPTS BEFORE FACTOR PAYMENTS				163.13	2.72	
FACTOR PAYMENTS						
LAND @ 4.00% ³	DOLS			40.00	0.67	
RETURN TO MANAGEMENT AND RISK	DOLS			123.13	2.05	

1 Hauling Machinery & Labor Charges = \$0.20/Bushel

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

3 Includes allocation of fallow acres in the rotation

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES				
		\$/BU				
		-25%	-10%		+10%	+25%
		\$ 4.61	\$ 5.54	\$ 6.15	\$ 6.77	\$ 7.69
ALTERNATIVE YIELDS	-25%	\$ 1.69	\$ 43.21	\$ 70.88	\$ 98.56	\$ 140.07
	-10%	\$ 43.21	\$ 93.02	\$ 126.23	\$ 159.44	\$ 209.26
BUSHEL	60.0	\$ 70.88	\$ 126.23	\$ 163.13	\$ 200.03	\$ 255.38
	+10%	\$ 98.56	\$ 159.44	\$ 200.03	\$ 240.62	\$ 301.51
	+25%	\$ 140.07	\$ 209.26	\$ 255.38	\$ 301.51	\$ 370.69

Table 15. 2014 Estimated Production Costs and Returns - Dryland Corn in Northeastern Colorado. Reduced-Till in a Two-Crop in Three-Year Rotation.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION						
CORN	BU	4.10	72.00	295.20		
CROP INSURANCE INDEMNITY PAYMENT	DOLS			0.00		
TOTAL RECEIPTS				295.20	4.10	
DIRECT COSTS						
Operating Preharvest						
SEED	DOLS	58.94	1.00	58.94	0.82	
FERTILIZER	DOLS	46.76	1.00	46.76	0.65	
HERBICIDE	DOLS	37.36	1.00	37.36	0.52	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.10	
CROP INSURANCE	DOLS	25.00	1.00	25.00	0.35	
FUEL	DOLS			5.07	0.07	
REPAIR & MAINTENANCE	DOLS			2.80	0.04	
LABOR	DOLS			1.96	0.03	
INTEREST EXPENSE ²	DOLS			6.47	0.09	
Total Preharvest	DOLS			191.36	2.66	
Operating Harvest						
FUEL	DOLS			6.54	0.09	
REPAIR & MAINTENANCE	DOLS			5.21	0.07	
LABOR	DOLS			1.45	0.02	
HAULING ¹	DOLS			14.40	0.20	
Total Harvest				27.60	0.38	
Total Operating Costs				218.96	3.04	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			32.12	0.45	
GENERAL FARM OVERHEAD	DOLS			10.00	0.14	
REAL ESTATE TAXES	DOLS			2.46	0.03	
Total Property and Ownership Costs	DOLS			44.58	0.62	
TOTAL DIRECT COSTS				263.54	3.66	
NET RECEIPTS BEFORE FACTOR PAYMENTS				31.66	0.44	
FACTOR PAYMENTS						
LAND @ 4.00% ³	DOLS			40.00	0.56	
RETURN TO MANAGEMENT AND RISK	DOLS			-8.34	-0.12	

1 Hauling Machinery & Labor Charges = \$0.20/Bushel

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

3 Includes allocation of fallow acres in the rotation

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES				
		\$/BU				
		-25%	-10%		+10%	+25%
		\$ 3.08	\$ 3.69	\$ 4.10	\$ 4.51	\$ 5.13
ALTERNATIVE YIELDS	-25%	\$ (97.49)	\$ (64.28)	\$ (42.14)	\$ (20.00)	\$ 13.21
	-10%	\$ (64.28)	\$ (24.43)	\$ 2.14	\$ 28.71	\$ 68.56
BUSHEL	72.0	\$ (42.14)	\$ 2.14	\$ 31.66	\$ 61.18	\$ 105.46
	+10%	\$ (20.00)	\$ 28.71	\$ 61.18	\$ 93.65	\$ 142.36
	+25%	\$ 13.21	\$ 68.56	\$ 105.46	\$ 142.36	\$ 197.71

**Table 16. 2014 Estimated Production Costs and Returns - Dryland Proso Millet.
Reduced-Till in a Two-Crop in Three-Year Rotation.**

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION						
PROSO MILLET	CWT	7.54	52.00	392.08		
CROP INSURANCE INDEMNITY				0.00		
TOTAL RECEIPTS				392.08	7.54	
DIRECT COSTS						
Operating Preharvest						
SEED	DOLS	4.13	1.00	4.13	0.08	
FERTILIZER	DOLS	22.76	1.00	22.76	0.44	
HERBICIDE	DOLS	12.30	1.00	12.30	0.24	
CUSTOM APPLICATION	DOLS	7.00	1.00	7.00	0.13	
CROP INSURANCE	DOLS	11.00	1.00	11.00	0.21	
FUEL	DOLS			8.03	0.15	
REPAIR & MAINTENANCE	DOLS			4.90	0.09	
LABOR	DOLS			2.48	0.05	
INTEREST EXPENSE ²	DOLS			2.54	0.05	
Total Preharvest	DOLS			75.14	1.45	
Operating Harvest						
FUEL	DOLS			13.44	0.26	
REPAIR & MAINTENANCE	DOLS			7.86	0.15	
LABOR	DOLS			4.11	0.08	
HAULING ¹	DOLS			20.80	0.40	
Total Harvest				46.21	0.89	
Total Operating Costs				121.35	2.33	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			43.44	0.84	
GENERAL FARM OVERHEAD	DOLS			10.00	0.19	
REAL ESTATE TAXES	DOLS			2.39	0.05	
Total Property and Ownership Costs	DOLS			55.83	1.07	
TOTAL DIRECT COSTS				177.18	3.41	
NET RECEIPTS BEFORE FACTOR PAYMENTS				214.90	4.13	
FACTOR PAYMENTS						
LAND @ 4.00% ³	DOLS			40.00	0.77	
RETURN TO MANAGEMENT AND RISK	DOLS			174.90	3.36	

1 Hauling Machinery & Labor Charges = \$0.40/CWT

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

3 Includes allocation of fallow acres in the rotation

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES					
		\$/CWT					
		-25%	-10%		+10%	+25%	
		\$	\$	\$	\$	\$	
ALTERNATIVE YIELDS	-25%	39.0	\$ 43.36	\$ 87.47	\$ 116.88	\$ 146.29	\$ 190.39
	-10%	46.8	\$ 87.47	\$ 140.40	\$ 175.69	\$ 210.98	\$ 263.91
	CWT	52.0	\$ 116.88	\$ 175.69	\$ 214.90	\$ 254.11	\$ 312.92
	+10%	57.2	\$ 146.29	\$ 210.98	\$ 254.11	\$ 297.24	\$ 361.93
	+25%	65.0	\$ 190.39	\$ 263.91	\$ 312.92	\$ 361.93	\$ 435.44

Table 17. 2014 Estimated Production Costs and Returns - Dryland Oil Sunflowers in Northeastern Colorado. Reduced-Till in a Two-Crop in Three-Year Rotation.

	Unit	Price or Cost/Unit	Quantity	Value or Cost Per Acre	Value or Cost/Unit Production	Your Farm
GROSS RECEIPTS FROM PRODUCTION						
SUNFLOWERS	CWT	17.80	22.00	391.60		
CROP INSURANCE INDEMNITY				0.00		
TOTAL RECEIPTS				391.60	17.80	
DIRECT COSTS						
Operating Preharvest						
SEED	DOLS	26.37	1.00	26.37	1.20	
FERTILIZER	DOLS	31.85	1.00	31.85	1.45	
HERBICIDE	DOLS	42.72	1.00	42.72	1.94	
CUSTOM APPLICATION	DOLS	7.00	2.00	14.00	0.64	
INSECTICIDE	DOLS	10.59	1.00	10.59	0.48	
CROP INSURANCE	DOLS	42.00	1.00	42.00	1.91	
CUSTOM AERIAL APPLICATION	DOLS	8.00	1.00	8.00	0.36	
FUEL	DOLS			3.16	0.14	
REPAIR & MAINTENANCE	DOLS			2.07	0.09	
LABOR	DOLS			1.20	0.05	
INTEREST EXPENSE ²	DOLS			6.37	0.29	
Total Preharvest				188.33	8.56	
Operating Harvest						
FUEL	DOLS			7.71	0.35	
REPAIR & MAINTENANCE	DOLS			5.06	0.23	
LABOR	DOLS			1.57	0.07	
HAULING ¹	DOLS			5.50	0.25	
Total Harvest				19.84	0.90	
Total Operating Costs				208.17	9.46	
Property and Ownership Costs						
MACHINERY OWNERSHIP COSTS	DOLS			22.49	1.02	
GENERAL FARM OVERHEAD	DOLS			10.00	0.45	
REAL ESTATE TAXES	DOLS			2.73	0.12	
Total Property and Ownership Costs	DOLS			35.22	1.60	
TOTAL DIRECT COSTS				243.39	11.06	
NET RECEIPTS BEFORE FACTOR PAYMENTS				148.21	6.74	
FACTOR PAYMENTS						
LAND @ 4.00% ³	DOLS			40.00	1.82	
RETURN TO MANAGEMENT AND RISK	DOLS			108.21	4.92	

1 Hauling Machinery & Labor Charges = \$0.25/Cwt

2 Interest on Operating Capital is calculated on 1/2 of pre-harvest operating costs at 7%

3 Includes allocation of fallow acres in the rotation

BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)

		ALTERNATIVE PRICES				
		\$/CWT				
		-25%	-10%		+10%	+25%
		\$ 13.35	\$ 16.02	\$ 17.80	\$ 19.58	\$ 22.25
ALTERNATIVE YIELDS	-25%	\$ (23.11)	\$ 20.94	\$ 50.31	\$ 79.68	\$ 123.74
	-10%	\$ 20.94	\$ 73.81	\$ 109.05	\$ 144.30	\$ 197.16
	CWT	\$ 50.31	\$ 109.05	\$ 148.21	\$ 187.37	\$ 246.11
	+10%	\$ 79.68	\$ 144.30	\$ 187.37	\$ 230.45	\$ 295.06
	+25%	\$ 123.74	\$ 197.16	\$ 246.11	\$ 295.06	\$ 368.49