

Projections for Planning Purposes Only -- Not to be Used without Updating
2020 Estimated Costs and Returns per Acre
Red Chile Peppers, Dell City, Center Pivot Irrigated
Far West Extension District - 6

Crop Acres		122			
				Total	Enterprise Total
REVENUE					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Red Chiles	4,000.00	Pound	\$0.95	\$3,800.00	\$463,600.00
Total Revenue				\$3,800.00	\$463,600.00
VARIABLE COSTS					
				Total	Enterprise Total
Production Costs					
Herbicide					
Trifluralin	3	Pint	\$2.75	\$8.25	\$1,006.50
Seed					
Red Chile Seed Treated	10	Pound	\$30.00	\$300.00	\$36,600.00
Fertilizer					
Fertilizer 18-46-0	228	Pound	\$0.39	\$88.92	\$10,848.24
Urea, Solid (46% N)	1.97	CWT	\$22.25	\$43.83	\$5,347.57
Fertilizer 0-0-22 Kmag	567	Pound	\$0.23	\$129.28	\$15,771.67
Fungicides					
Quadris	15	Ounce	\$1.64	\$24.61	\$3,002.85
Other Chemicals					
Ethephon 6	16	Ounce	\$0.16	\$2.49	\$303.34
Sodium Chlorate 5L	1	Gallon	\$6.00	\$6.00	\$732.00
Irrigation					
Energy Cost	4.68	Mcf	\$5.61	\$26.25	\$3,203.09
Irrigation Labor	0.02	Hour	\$15.00	\$0.26	\$31.66
Machinery Labor					
Tractors/Self-Propelled	3.26	Hour	\$15.00	\$48.90	\$5,965.80
Other Labor	2.07	Hour	\$15.00	\$31.05	\$3,788.10
Diesel Fuel					
Tractors/Self-Propelled	18.81	Gallon	\$2.60	\$48.91	\$5,966.53
Gasoline					
Pickup/General Use Equipment	1	Acre	\$7.72	\$7.72	\$941.76
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$1.61	\$1.61	\$196.20
Irrigation Equipment	1	Acre	\$7.97	\$7.97	\$972.40
Tractors/Self-Propelled	1	Acre	\$55.52	\$55.52	\$6,772.91
Implements	1	Acre	\$22.42	\$22.42	\$2,734.64
Interest on Credit Line			6.00%	\$27.45	\$3,349.50
Total Variable Costs				\$881.43	\$107,534.75
Planned Returns Above Variable Costs:				\$2,918.57	\$356,065.25
Breakeven Price to Cover Variable Costs			\$0.22	Pound	
FIXED COSTS					
				Total	Enterprise Total
Machinery Depreciation					
Pickup/General Use Equipment	1	Acre	\$6.03	\$6.03	\$735.75
Irrigation Equipment	1	Acre	\$45.37	\$45.37	\$5,535.60
Tractors/Self-Propelled	1	Acre	\$84.61	\$84.61	\$10,322.68
Implements	1	Acre	\$29.49	\$29.49	\$3,597.74
Equipment Investment					
Pickup/General Use Equipment	\$25.13	Dollars	6.00%	\$1.51	\$183.94
Irrigation Equipment	\$340.30	Dollars	6.00%	\$20.42	\$2,491.02
Tractors/Self-Propelled	\$787.66	Dollars	6.00%	\$47.26	\$5,765.69
Implements	\$133.97	Dollars	6.00%	\$8.04	\$980.65
Trans Pecos Irrigated Land	1	Acre	\$40.00	\$40.00	\$4,880.00
Total Fixed Costs				\$282.73	\$34,493.06
Total Specified Costs				\$1,164.16	\$142,027.81
Returns Above Specified Costs				\$2,635.84	\$321,572.19
Breakeven Price to Cover Total Costs			\$0.29	Pound	

Example Breakeven Prices			
Example Yield Percent	Example Yield Pound	To Cover Variable Costs	To Cover Total Costs
75%	3000.00	\$0.29	\$0.39
90%	3600.00	\$0.24	\$0.32
100%	4000.00	\$0.22	\$0.29
110%	4400.00	\$0.20	\$0.26
125%	5000.00	\$0.18	\$0.23

Developed by Bill Thompson, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service, 325-653-4576.

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.