

Projections for Planning Purposes Only -- Not to be Used without Updating
2015 Estimated Costs and Returns per Acre
Irrigated Blackeyed Peas - 122 Acres
South Plains Extension District - 2

Crop Acres		122			
REVENUE					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Blackeyed Peas	1,850.00	Pound	\$0.30	\$555.00	\$67,710.00
Total Revenue				\$555.00	\$67,710.00
VARIABLE COSTS					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Production Costs					
Custom					
Custom Harvest - Blackeyed Peas	1	Acre	\$30.00	\$30.00	\$3,660.00
Custom Haul - Blackeyed Peas	18.5	CWT	\$0.20	\$3.70	\$451.40
Fertilizer					
Fertilizer (N) - Liquid	40	Pound	\$0.58	\$23.12	\$2,820.64
Herbicide					
Herbicide Blackeyed Peas	1	Acre	\$10.00	\$10.00	\$1,220.00
Seed					
Seed - Blackeyed Peas	50	Pound	\$0.45	\$22.50	\$2,745.00
Miscellaneous					
Crop Insurance Blackeyed Peas	1	Acre	\$24.00	\$24.00	\$2,928.00
Other Labor					
Hoeing	1	Acre	\$15.00	\$15.00	\$1,830.00
Fungicides					
Fungicide - Blackeyed Peas	1	Acre	\$12.00	\$12.00	\$1,464.00
Irrigation					
Energy Cost	8.00	AcreInch	\$9.00	\$72.00	\$8,784.00
Irrigation Labor	0.90	Hour	\$12.00	\$10.80	\$1,317.60
Machinery Labor					
Tractors/Self-Propelled	1	Hour	\$12.00	\$12.00	\$1,464.00
Diesel Fuel					
Tractors/Self-Propelled	2.4	Gallon	\$3.00	\$7.20	\$878.40
Gasoline					
Pickup/General Use Equipment	2	Gallon	\$2.25	\$4.50	\$549.00
Repairs & Maintenance					
Pickup/General Use Equipment	1	Acre	\$0.50	\$0.50	\$61.00
Irrigation Equipment	1	Acre	\$14.00	\$14.00	\$1,708.00
Tractors/Self-Propelled	1	Acre	\$6.00	\$6.00	\$732.00
Implements	1	Acre	\$3.00	\$3.00	\$366.00
Interest on Credit Line			6.00%	\$2.42	\$295.85
Total Variable Costs				\$272.74	\$33,274.89
Planned Returns Above Variable Costs:				\$282.26	\$34,435.11
Breakeven Price to Cover Variable Costs			\$0.15	Pound	
FIXED COSTS					
	Quantity	Units	\$/Unit	Total	Enterprise Total
Equipment Investment					
Pickup/General Use Equipment	\$17.89	Dollars	7.00%	\$1.25	\$152.78
Irrigation Equipment	\$785.72	Dollars	7.00%	\$55.00	\$6,710.01
Tractors/Self-Propelled	\$171.40	Dollars	7.00%	\$12.00	\$1,463.76
Implements	\$142.90	Dollars	7.00%	\$10.00	\$1,220.37
Whole Farm Insurance	1	Acre	\$2.00	\$2.00	\$244.00
Cash Rent - Blackeyed Peas	1	Acre	\$100.00	\$100.00	\$12,200.00
Total Fixed Costs				\$180.25	\$21,990.91
Total Specified Costs				\$453.00	\$55,265.80
Returns Above Specified Costs				\$102.00	\$12,444.20
Breakeven Price to Cover Total Costs			\$0.24	Pound	

Example Breakeven Prices						
Example Yield Percent	Example Yield Pound	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	1387.50	\$0.20	\$0.20	\$0.33	\$0.33	\$0.00
90%	1665.00	\$0.16	\$0.16	\$0.27	\$0.27	\$0.00
100%	1850.00	\$0.15	\$0.15	\$0.24	\$0.24	\$0.00
110%	2035.00	\$0.13	\$0.13	\$0.22	\$0.22	\$0.00
125%	2312.50	\$0.12	\$0.12	\$0.20	\$0.20	\$0.00

Developed by Jackie Smith, Professor and Extension Economist, Texas A&M AgriLife Extension.

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.