

*Projections for Planning Purposes Only  
Not to be Used without Updating after October 15, 2003*

Table 27.A Estimated costs and returns per Acre  
Processed Beets, Irrigated  
2004 Projected Costs and Returns per Acre

ITEM	UNIT	PRICE	QUANTITY	AMOUNT	YOUR FARM
		dollars		dollars	
INCOME					
beets	ton	40.00	15.0000	600.00	_____
TOTAL INCOME				600.00	_____
DIRECT EXPENSES					
SEED					
seed beet	lb	50.00	1.0000	50.00	_____
CROP INSURANCE					
crop insurance-NAP	acre	2.00	1.0000	2.00	_____
FUNGICIDE					
fungicide beet	acre	7.00	1.0000	7.00	_____
FERTILIZER					
nitrogen n32	lb	0.25	124.0000	31.00	_____
phospate	lb	0.32	80.0000	25.60	_____
MISC ADMIN O/H					
mis admin o/h	acre	3.00	1.0000	3.00	_____
SOIL ADMENDMENT					
boron	acre	7.00	2.0000	14.00	_____
HERBICIDES					
herbicide beets	acre	25.00	1.0000	25.00	_____
CUSTOM					
herb appl	acre	4.50	1.0000	4.50	_____
fungicide appl beet	acre	4.50	3.0000	13.50	_____
IRRIGATION					
irrigation costs	ac/in	4.00	15.0000	60.00	_____
OPERATOR LABOR					
Tractors	hour	8.90	1.6100	14.32	_____
IRRIGATION LABOR					
irr system 1	hour	8.90	0.7500	6.67	_____
DIESEL FUEL					
Tractors	gal	1.09	11.0090	11.99	_____
GASOLINE					
Pick-up, 3/4 ton	gal	1.75	0.9100	1.59	_____
REPAIR & MAINTENANCE					
Implements	Acre	12.85	1.0000	12.85	_____
Tractors	Acre	17.84	1.0000	17.84	_____
Pick-up, 3/4 ton	acre	1.00	1.0000	1.00	_____
irr system 1	ac/in	0.17	15.0000	2.55	_____
INTEREST ON OP. CAP.	Acre	6.92	1.0000	6.92	_____
TOTAL DIRECT EXPENSES				311.38	_____
RETURNS ABOVE DIRECT EXPENSES				288.61	_____
FIXED EXPENSES					
Implements	Acre	25.77	1.0000	25.77	_____
Tractors	Acre	30.50	1.0000	30.50	_____
Pick-up, 3/4 ton	acre	3.00	1.0000	3.00	_____
irr system 1	ac/in	0.17	15.0000	2.55	_____
TOTAL FIXED EXPENSES				61.83	_____
TOTAL SPECIFIED EXPENSES				373.21	_____
RETURNS ABOVE TOTAL SPECIFIED EXPENSES				226.78	_____
ALLOCATED COST ITEMS					
cash rent beets	acre	40.00	1.0000	40.00	_____
RESIDUAL RETURNS				186.78	_____

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Table 27.B Estimated resource use and costs for field operations, per Acre  
Processed Beets, Irrigated  
2004 Projected Costs and Returns per Acre

OPERATION/ OPERATING INPUT	SIZE/ UNIT	TRACTOR SIZE	PERF RATE	TIMES OVER	MTH	TRACTOR COST		EQUIP COST		ALLOC LABOR		OPERATING INPUT			TOTAL COST	
						DIRECT	FIXED	DIRECT	FIXED	HOURS	COST	AMOUNT	PRICE	COST		
						-----dollars-----				dollars		-----dollars-----				
shredder		100	0.199	1.00	Sep	3.27	3.58	0.58	0.91	0.199	1.77					10.14
moleboard plow veg2		150	0.169	1.00	Sep	3.07	2.81	1.25	1.96	0.169	1.51					10.62
offset disc 20 ft	20 ft	200	0.103	1.00	Sep	2.24	2.11	3.09	6.43	0.103	0.91					14.80
land plane		100	0.190	1.00	Sep	3.13	3.44	1.06	2.20	0.190	1.69					11.55
offset disc 20 ft	20 ft	200	0.103	1.00	Nov	2.24	2.11	3.09	6.43	0.103	0.91					14.80
bed shapper		125	0.190	1.00	Jan	3.75	4.03	0.44	0.91	0.190	1.69					10.84
nitrogen n32	lb			1.00	Jan							64.0000	0.25	16.00		16.00
phospate	lb											80.0000	0.32	25.60		25.60
bedder	6-row	100	0.114	1.00	Jan	1.87	2.05	0.36	0.76	0.114	1.01					6.08
irrigation costs	ac/in											3.0000	4.00	12.00		12.00
planter	6 row	150	0.229	1.00	Jan	4.15	3.80	1.35	2.82	0.229	2.04					14.19
seed beet	lb											1.0000	50.00	50.00		50.00
herbicide beets	acre											1.0000	25.00	25.00		25.00
crop insurance-NAP	acre											1.0000	2.00	2.00		2.00
herb appl	acre											1.0000	4.50	4.50		4.50
cultivator 8 row	8 row	125	0.103	1.00	Jan	2.02	2.17	0.53	1.10	0.103	0.91					6.75
Pick-up, 3/4 ton	acre			1.00	Jan			2.59	3.00			1.0000				5.59
irrigation costs	ac/in											3.0000	4.00	12.00		12.00
fungicide beet	acre			1.00	Feb							1.0000	7.00	7.00		7.00
fungicide appl beet	acre											1.0000	4.50	4.50		4.50
irrigation costs	ac/in			1.00	Feb							3.0000	4.00	12.00		12.00
cultivator 8 row	8 row	125	0.103	1.00	Mar	2.02	2.17	0.53	1.10	0.103	0.91					6.75
irrigation costs	ac/in			1.00	Mar							3.0000	4.00	12.00		12.00
nitrogen n32	lb											60.0000	0.25	15.00		15.00
mis admin o/h	acre			1.00	Mar							1.0000	3.00	3.00		3.00
boron	acre			1.00	Apr							2.0000	7.00	14.00		14.00
fungicide appl beet	acre											2.0000	4.50	9.00		9.00
cultivator 8 row	8 row	125	0.103	1.00	Apr	2.02	2.17	0.53	1.10	0.103	0.91					6.75
irr system 1	ac/in			1.00	Apr			2.55	2.55	0.750	6.67	15.0000				11.77
irrigation costs	ac/in											3.0000	4.00	12.00		12.00
TOTALS						29.84	30.50	17.99	31.32	2.360	21.00			235.60		366.28
INTEREST ON OPERATING CAPITAL																6.92
UNALLOCATED LABOR																0.00
TOTAL SPECIFIED COST																373.21

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