

ENTERPRISE BUDGET

Classification	Fruit	Province	Western Cape
Enterprise Budget Name	Pears (YR 3)	District	Eden
Land Size	1 Ha	Area	Klein Lang Kloof
Date Developed	30 November 2017	Date Updated	07 November 2023
Developer	Nomfundo Nyembe	Updater	Blanche Williams
Soil Type	Sandy loam		

Use this enterprise budget as an aid in the planning process.

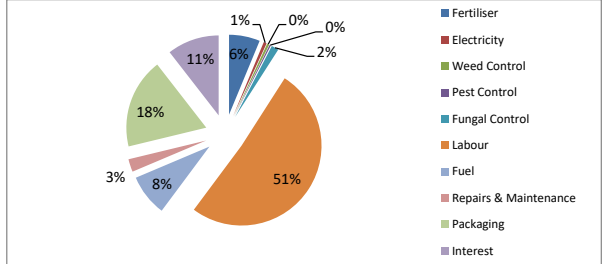
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			10 000,00	86 865,00	8,69
Product Income					
Pear - Export market (80%)	Kg	8,35	8 000,00	66 800,00	6,68
Pear - Local market (15%)	Kg	12,71	1 500,00	19 065,00	1,91
Pear - Juice production (5%)	Kg	2,00	500,00	1 000,00	0,10
MARKETING COSTS	Kg	0,00	0,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				86 865,00	8,69
TOTAL ALLOCATABLE VARIABLE COSTS				142 916,44	14,29
DIRECTLY ALLOCATABLE VARIABLE COSTS				125 282,65	12,53
A) PRE-HARVEST COST				84 431,35	8,44
FERTILISER				9 980,97	1,00
Lime Ammonium Nitrate (28)	Ton	14 822,58	0,13	1 853,19	0,19
3:1:5 (38)	Ton	22 545,52	0,30	6 763,66	0,68
1.0.1(36)	Ton	13 641,20	0,10	1 364,12	0,14
HERBICIDES				707,79	0,07
Paraquat	L	99,59	6,00	597,54	0,06
Copper Oxychloride	L	245,00	0,45	110,25	0,01
PESTICIDES/INSECTICIDES				433,99	0,04
Mineral oil	L	79,25	0,50	39,62	0,00
Alpha-cypermethrin	L	835,02	0,35	292,26	0,03
Emamectin 50 wg	L	408,43	0,25	102,11	0,01
FUNGICIDES				2 352,00	0,24
Mancozeb 800WP	Kg	114,30	15,00	1 714,48	0,17
Cyprodinil	Kg	1 143,00	0,03	34,29	0,00
Fluzilazole	Kg	402,16	1,50	603,24	0,06
CASUAL LABOUR				69 956,60	7,00
Casual Labour Thinning/Day	R/Manday	228,78	15,67	3 584,98	0,36
Casual Labour Pruning/Day	R/Manday	228,78	42,00	9 608,76	0,96
Casual Labour Tree training/Day	R/Manday	228,78	21,00	4 804,38	0,48
Casual Labour Fertiliser Spread/Day	R/Manday	228,78	120,00	27 453,60	2,75
Casual Labour Weeding/Day	R/Manday	228,78	84,00	19 217,52	1,92
Casual Labour Irrigation/Hour	R/Manhour	25,42	208,00	5 287,36	0,53
IRRIGATION & ELECIRICITY				1 000,00	0,10
Micro Jet Sprayer	Ha	1 000,00	1,00	1 000,00	0,10
B) HARVEST COSTS				40 851,30	4,09
CASUAL LABOUR				11 687,76	1,17
Casual Labour Harvesting/Day	R/Manday	208,71	53,00	11 061,63	1,11
Casual Labour Loading/Day	R/Manday	208,71	2,00	417,42	0,04
Casual Labour Tractor Driver/Day	R/Manday	208,71	1,00	208,71	0,02
PACKAGING COSTS				29 163,54	2,92
Packaging material: 18.5 kg box	Box	18,63	810,81	15 105,41	1,51
Storage, cooling, handling	Bin	403,00	34,88	14 058,14	1,41
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				-38 417,65	-3,84

INDIRECTLY ALLOCATABLE VARIABLE COSTS				17 633,79	1,76
C) PRE-HARVEST COST					
Fuel	L	21,03	12 862,01	1,29	
Repairs & Maintenance			3 931,60	0,39	
D) HARVEST COSTS					
Fuel	L	21,03	633,51	0,06	
Repairs & Maintenance			206,67	0,02	
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS				-56 051,44	-5,61
Interest on Working Capital				16 792,68	1,68
MARGIN ABOVE SPECIFIED COSTS				-72 844,12	-7,28

NOTES:
Interest Rate 11,75%
Growing period of Crop (Months) 12
From establishment to Yr 3, fertilizer and chemical application is done by hand
A bin is equal to 430 kg

SENSITIVITY ANALYSIS					
YIELD (kg/ha)	PRICE (R/KG)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 7,82	R 8,25	R 8,69	R 9,12	R 9,56
8 000,00	-R 97 166	-R 93 692	-R 90 217	-R 86 743	-R 83 268
9 000,00	-R 89 348	-R 85 440	-R 81 531	-R 77 622	-R 73 713
10 000,00	-R 81 531	-R 77 187	-R 72 844	-R 68 501	-R 64 158
11 000,00	-R 73 713	-R 68 935	-R 64 158	-R 59 380	-R 54 602
12 000,00	-R 65 895	-R 60 683	-R 55 471	-R 50 259	-R 45 047
BREAKEVEN YIELD (Kg/Ha)	20429	19354	18386	17510	16714

Costs Of Production	R/Ha
Fertiliser	9 980,97
Electricity	1 000,00
Weed Control	707,79
Pest Control	433,99
Fungal Control	2 352,00
Labour	81 644,36
Fuel	13 495,52
Repairs & Maintenance	4 138,27
Packaging	29 163,54
Interest	16 792,68



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