

ENTERPRISE BUDGET

Classification	Fruit	Province	Western Cape
Enterprise Budget Name	Pears (YR 4-5)	District	Eden
Land Size	1 Ha	Area	Klein Lang Kloof
Date Developed	30 November 2017	Date Updated	08 November 2024
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			20 000,00	146 680,00	7,33
Product Income					
Pear - Export market (80%)	Kg	6,25	16 000,00	100 000,00	5,00
Pear - Local market (15%)	Kg	14,81	3 000,00	44 430,00	2,22
Pear - Juice production (5%)	Kg	2,25	1 000,00	2 250,00	0,11
MARKETING COSTS			0,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				146 680,00	7,33
TOTAL ALLOCATABLE VARIABLE COSTS				189 642,29	9,48
DIRECTLY ALLOCATABLE VARIABLE COSTS				172 028,52	8,60
A) PRE-HARVEST COST				99 009,98	4,95
FERTILISER				12 006,00	0,60
KCL	Ton	7 295,37	0,20	1 459,07	0,07
Maxiphos 20	Ton	21 260,97	0,30	6 378,29	0,32
3:1:5 (38)	Ton	13 895,45	0,30	4 168,64	0,21
HERBICIDES				1 331,33	0,07
Paraquat	L	77,71	0,45	34,97	0,00
Copper Oxychloride	L	172,85	7,50	1 296,37	0,06
PESTICIDES/INSECTICIDES				653,69	0,03
Mineral oil	L	72,85	0,50	36,43	0,00
Alpha-cypermethrin	L	1 015,70	0,30	507,85	0,03
Emamectin 50 wg	L	364,72	1,00	109,42	0,01
FUNGICIDES				4 478,82	0,22
Mancozeb 800WP	Kg	111,02	40,00	4 440,77	0,22
Cyprodinil	Kg	951,45	0,03	28,54	0,00
Flusilazole	Kg	317,16	1,50	9,51	0,00
CASUAL LABOUR				75 900,99	3,80
Casual Labour Thinning/Day	R/Manday	248,22	15,67	3 889,61	0,19
Casual Labour Pruning/Day	R/Manday	248,22	42,00	10 425,24	0,52
Casual Labour Tree training/Day	R/Manday	248,22	21,00	5 212,62	0,26
Casual Labour Fertiliser Spread/Day	R/Manday	248,22	120,00	29 786,40	1,49
Casual Labour Weeding/Day	R/Manday	248,22	84,00	20 850,48	1,04
Casual Labour Irrigation/Hour	R/Manhour	27,58	208,00	5 736,64	0,29
IRRIGATION & ELECIRICITY				4 639,14	0,23
Electricity ¹	kWh	2,34	1 980,00	4 639,14	0,23
B) HARVEST COSTS				73 018,55	3,65
CASUAL LABOUR				11 687,76	0,58
Casual Labour Harvesting/Day	R/Manday	208,71	53,00	11 061,63	0,55
Casual Labour Loading/Day	R/Manday	208,71	2,00	417,42	0,02
Casual Labour Tractor Driver/Day	R/Manday	208,71	1,00	208,71	0,01
PACKAGING COSTS				61 330,79	3,07
Packaging material: 18.5 kg box	Box	26,21	1 378,38	36 127,30	1,81
Storage, cooling, handling	Bin	425,00	59,30	25 203,49	1,26
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				-25 348,52	-1,27

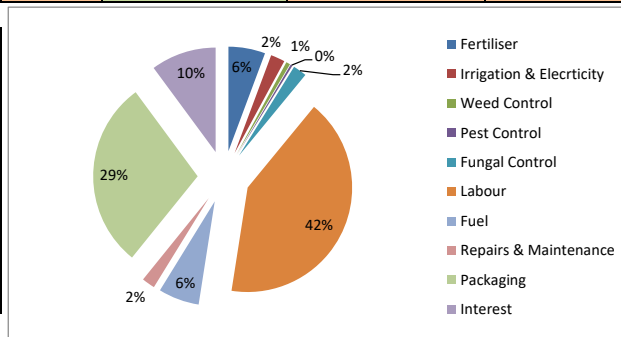
INDIRECTLY ALLOCATABLE VARIABLE COSTS				17 613,76	0,88
C) PRE-HARVEST COST					
Fuel	L	19,99		12 367,27	0,62
Repairs & Maintenance				3 978,40	0,20
D) HARVEST COSTS					
Fuel	L	19,99		964,10	0,05
Repairs & Maintenance				303,99	0,02
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS				-42 962,29	-2,15
Interest on Working Capital				21 334,76	1,07
MARGIN ABOVE SPECIFIED COSTS				-64 297,04	-3,21

NOTES:

Interest Rate 11,25%
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 6,60	R 6,97	R 7,33	R 7,70	R 8,07
16 000,00	-R 105 367	-R 99 500	-R 93 633	-R 87 766	-R 81 899
18 000,00	-R 92 166	-R 85 566	-R 78 965	-R 72 364	-R 65 764
20 000,00	-R 78 965	-R 71 631	-R 64 297	-R 56 963	-R 49 629
22 000,00	-R 65 764	-R 57 696	-R 49 629	-R 41 562	-R 33 494
24 000,00	-R 52 563	-R 43 762	-R 34 961	-R 26 160	-R 17 359
BREAKEVEN YIELD (Kg/Ha)	31963	30281	28767	27397	26152

Costs Of Production	R/Ha
Fertiliser	12 006,00
Irrigation & Electricity	4 639,14
Weed Control	1 331,33
Pest Control	653,69
Fungal Control	4 478,82
Labour	87 588,75
Fuel	13 331,37
Repairs & Maintenance	4 282,39
Packaging	61 330,79
Interest	21 334,76



Disclaimer

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