Western Cape Government

AGRICULTURAL ECONOMICS SERVICES
Division: Production Economics
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ENTERPRISE BUDGET

Classification	Fruit	**Province**	Western Cape
Enterprise Budget Name	Peaches (Yr 3)	**District**	Klein Karoo
Land Size	1 Ha	**Area**	Langkloof
Date Developed	01 March 2018	**Date Updated**	09 March 2024
Developer	Peliwe Mgudlwa	**Updater**	Nkhanedzeni Nedzungani
Soil Type	Clay-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			**18,00**	**207 774,90**	**11 543,05**
Product Income					
Peach	Ton	11 543,05	18,00	207 774,90	11 543,05
MARKETING COSTS					
GROSS INCOME minus MARKETING COSTS				**207 774,90**	**11 543,05**
TOTAL ALLOCATABLE VARIABLE COSTS				**157 107,10**	**8 728,17**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**154 757,40**	**8 597,63**
A) PRE-HARVEST COST					
FERTILISER				**82 457,62**	**4 580,98**
Lime Ammonium Nitrate (28)	Ton	9 972,98	2,64	26 328,66	1 462,70
Maxiphos 20	Ton	21 260,97	2,64	56 128,96	3 118,28
INSECTICIDES				**761,78**	**42,32**
Alpha-cypermethrin	L	1 015,70	0,75	761,78	42,32
HERBICIDES				**1 312,25**	**72,90**
Elfer Boron	L	108,10	9,00	972,90	54,05
Chlorsulfuron	Kg	2 827,93	0,12	339,35	18,85
FUNGICIDES				**1 032,49**	**57,36**
Sulphur	Kg	44,42	0,75	33,32	1,85
Mancozeb 800WP	Kg	111,02	9,00	999,17	55,51
CASUAL LABOUR				**40 708,08**	**2 261,56**
Casual Labour Thinning/Day	R/Manday	248,22	20,00	4 964,40	275,80
Casual Labour Pruning/Day	R/Manday	248,22	80,00	19 857,60	1 103,20
Casual Labour Fertiliser Spread/Day	R/Manday	248,22	20,00	4 964,40	275,80
Casual Labour Weeding/Day	R/Manday	248,22	26,00	6 453,72	358,54
Casual Labour Irrigation/Day	R/Manday	248,22	18,00	4 467,96	248,22
IRRIGATION & ELECRICITY				**5 152,50**	**286,25**
Electricity[1]	kWh	2,34	2 000,00	4 686,00	260,33
Water Levy	R/ha	466,50	1,00	466,50	25,92
B) HARVEST COST					
CASUAL LABOUR				**23 332,68**	**1 296,26**
Casual Labour Pickers	R/Manday	248,22	30,00	7 446,60	413,70
Casual Labour Sorters	R/Manday	248,22	30,00	7 446,60	413,70
Casual Labour Quality Controllers	R/Manday	248,22	10,00	2 482,20	137,90
Casual Labour Forklift Operators	R/Manday	248,22	10,00	2 482,20	137,90
Casual labour Supervisors	R/Manday	248,22	10,00	2 482,20	137,90
Casual Labour Tractor driver/Day	R/Manday	248,22	4,00	992,88	55,16
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**53 017,50**	**2 945,42**

INDIRECTLY ALLOCATABLE VARIABLE COSTS			**2 349,70**	**130,54**
C) PRE-HARVEST COST				
Fuel	L	20,33	358,12	19,90
Repairs & Maintenance			480,10	26,67
D) HARVEST COST				
Fuel	L	20,33	920,81	51,16
Repairs & Maintenance			590,66	32,81
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			**50 667,80**	**2 814,88**
Interest on Working Capital			18 460,08	1 025,56
MARGIN ABOVE SPECIFIED COSTS			**32 207,72**	**1 789,32**

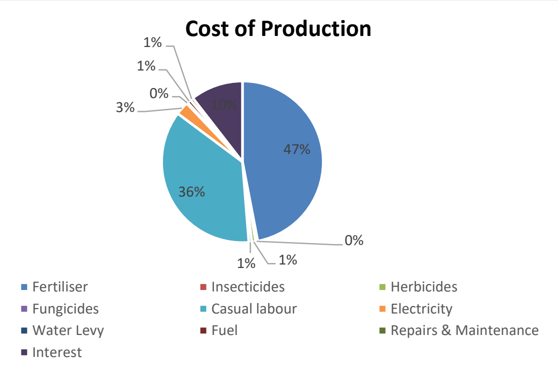
NOTES:

1. Interest Rate	11,75%
2. Growing period of Crop (months)	12

SENSITIVITY ANALYSIS

YIELD (Tons/ha)	PRICE (R/Ton)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 10 388,75	**R 10 965,90**	**R 11 543,05**	**R 12 120,20**	**R 12 697,36**
14,40	-R 25 969	-R 17 658	-R 9 347	-R 1 036	R 7 275
16,20	-R 7 270	R 2 080	R 11 430	R 20 780	R 30 130
18,00	R 11 430	R 21 819	R 32 208	R 42 596	R 52 985
19,80	R 30 130	R 41 558	R 52 985	R 64 413	R 75 840
21,60	R 48 830	R 61 296	R 73 763	R 86 229	R 98 696
BREAKEVEN YIELD (Tons/Ha)	**17**	**16**	**15**	**14**	**14**

Costs Of Production	R/Ha
Fertiliser	82 457,62
Insecticides	761,78
Herbicides	1 312,25
Fungicides	1 032,49
Casual labour	64 040,76
Electricity	4 686,00
Water Levy	466,50
Fuel	1 278,93
Repairs & Maintenance	1 070,76
Interest	18 460,08



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