Western Cape Government

AGRICULTURAL ECONOMICS SERVICES
Division: Production Economics
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ENTERPRISE BUDGET

Classification	Nuts	**Province**	Western Cape
Enterprise Budget Name	Pecan nuts (Year 5)	**District**	Western Cape
Land Size	1 Hectare	**Area**	Western Cape
Date Developed	19 September 2023	**Date Updated**	23 September 2024
Developer	Mzwanele Lingani/Ayabonga Sibulali	**Updater**	Mzwanele Lingani
Soil Type	Various types		

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

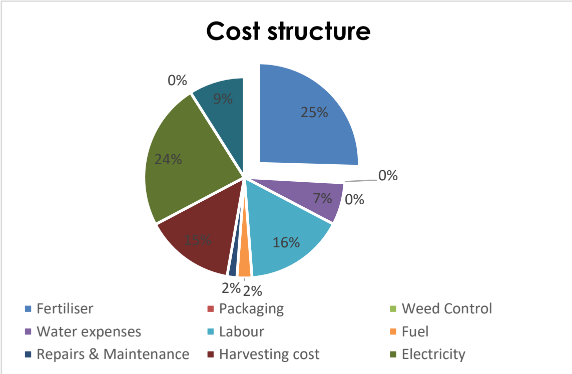
	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			**0,66**	**60 279,78**	**91 333,00**
Product Income					
Pecan nuts	Ton	91 333,00	0,66	60 279,78	91 333,00
MARKETING COSTS	Ton	91 333,00	0,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				**60 279,78**	**91 333,00**
TOTAL ALLOCATABLE VARIABLE COSTS				**37 752,09**	**57 200,13**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**35 783,78**	**54 217,85**
A) PRE-HARVEST COST					
FERTILISER				**12 560,74**	**19 031,42**
3:1:5 (38)	Ton	33 729,50	0,11	3 710,25	5 621,58
Lime Ammonium Nitrate (28)	Ton	9 972,98	0,11	1 097,03	1 662,16
Copper	Kg	171,87	0,04	6,87	10,42
Nitrogen (N)	Ton	22 839,00	0,14	3 197,46	4 844,64
Calcium Nitrate	Ton	9 640,00	0,14	1 349,60	2 044,85
Potassium (K)	Ton	18 239,00	0,14	2 553,46	3 868,88
Zinc	Ton	4 614,80	0,14	646,07	978,90
WATER COSTS				**3 365,00**	**5 098,48**
Water expenses	Ha	3 365,00	1,00	3 365,00	5 098,48
ELECTRICITY COSTS				**11 715,00**	**17 750,00**
Electricity[1]	kWh	2,34	5 000,00	11 715,00	17 750,00
CASUAL LABOUR				**992,88**	**1 504,36**
Casual Labour Pruning/Day	R/Manday	248,22	4,00	992,88	1 504,36
B) HARVEST COSTS				**7 150,16**	**10 833,58**
Casual Labour Harvesting/Day	R/Manday	248,22	28,00	6 950,16	10 530,55
Packaging	R/500Kg Bag	100,00	2,00	200,00	303,03
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**24 496,00**	**37 115,15**
INDIRECTLY ALLOCATABLE VARIABLE COSTS				**1 968,31**	**2 982,28**
C) PRE-HARVEST COST					
Fuel	L	20,82		200,89	304,38
Repairs & Maintenance				69,60	105,46
D) HARVEST COSTS					
Fuel	L	20,82		986,27	1 494,35
Repairs & Maintenance				711,54	1 078,09
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS				**22 527,69**	**34 132,87**
Interest on Working Capital				4 435,87	6 721,02
MARGIN ABOVE SPECIFIED COSTS				**18 091,82**	**27 411,86**

NOTES:	
Interest Rate	11,75%
Growing period of Crop (Months)	12
Inter row spacing (m)	11,33
Intra-row spacing (m)	7,38
Tree replacement %	6%

SENSITIVITY ANALYSIS

YIELD (ton/ha)	PRICE (R/ton)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 82 200	**R 86 766**	**R 91 333**	**R 95 900**	**R 100 466**
0,53	R 1 213	R 3 625	R 6 036	R 8 447	R 10 858
0,59	R 6 639	R 9 351	R 12 064	R 14 776	R 17 489
0,66	R 12 064	R 15 078	R 18 092	R 21 106	R 24 120
0,73	R 17 489	R 20 804	R 24 120	R 27 435	R 30 751
0,79	R 22 914	R 26 531	R 30 148	R 33 765	R 37 381
BREAKEVEN YIELD (Ton/Ha)	**0,51**	**0,49**	**0,46**	**0,44**	**0,42**

Costs Of Production	R/Ha
Fertiliser	12 560,74
Packaging	200,00
Weed Control	0,00
Water expenses	3 365,00
Labour	7 943,04
Fuel	1 187,17
Repairs & Maintenance	781,14
Harvesting cost	7150,16
Electricity	11 715,00
Contractor	0,00
Interest	4 435,87



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