Western Cape Government

AGRICULTURAL ECONOMICS SERVICES
Division: Production Economics
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ENTERPRISE BUDGET

Classification	Nuts	**Province**	Western Cape
Enterprise Budget Name	Macadamia nuts (Y9+) (High density)	**District**	Garden Route
Land Size	1 Hectare	**Area**	George/Groot-Brak
Date Developed	03 September 2024	**Date Updated**	22 September 2025
Developer	Blanche Williams/Nkhanedzeni Nedzungani	**Updater**	Blanche Williams
Soil Type	Sandy-Clay		

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

	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			**3,30**	**165 000,00**	**50 000,00**
Product Income					
Macadamia nuts	Ton	50 000,00	3,30	165 000,00	50 000,00
MARKETING COSTS	Ton	50 000,00	0,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				**165 000,00**	**50 000,00**
TOTAL ALLOCATABLE VARIABLE COSTS				**49 674,90**	**15 053,00**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**46 928,66**	**14 220,81**
A) PRE-HARVEST COST					
FERTILISER				**17 887,03**	**5 420,31**
Potassium Sulphate	Ton	19 696,05	0,69	13 590,27	4 118,27
Ammonium Sulphate	Ton	7 466,72	0,20	1 493,34	452,53
Lime Ammonium Nitrate (28)	Ton	9 252,21	0,25	2 313,05	700,93
Magnesium Sulphate	Ton	7 232,58	0,06	433,95	131,50
Microelements	L	188,00	0,30	56,40	17,09
HERBICIDES				**2 156,94**	**653,62**
Glufosinate Ammonium	L	119,83	18,00	2 156,94	653,62
PESTICIDES				**7 073,28**	**2 143,42**
Methamidophos	L	316,59	0,20	63,32	19,19
Bioneem	L	210,49	2,50	526,23	159,46
emamectin benzoate	L	371,35	1,00	371,35	112,53
Methoxyfenozide	L	370,57	0,75	277,93	84,22
Trivia 500	KG	1 281,31	1,20	1 537,57	465,93
Alpha-cypermethrin	L	1 020,54	2,20	2 245,20	680,36
Spinetoram 250 WG	Kg	9 372,85	0,20	1 874,57	568,05
Bifenthrin(pyrethroid) 100g/L	L	354,24	0,50	177,12	53,67
WATER COSTS				**5 000,00**	**1 515,15**
Water expenses	Ha	5 000,00	1,00	5 000,00	1 515,15
ELECTRICITY COSTS				**3 151,46**	**954,99**
Electricity[1]	kWh	2,99	1 054,00	3 151,46	0,00
CASUAL LABOUR				**1 295,55**	**392,59**
Casual Labour Weeding/Day	R/Manday	259,11	5,00	1 295,55	392,59
B) HARVEST COSTS				**10 364,40**	**3 140,73**
Casual Labour Harvesting/Day	R/Manday	259,11	40,00	10 364,40	3 140,73
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**118 071,34**	**35 779,19**

INDIRECTLY ALLOCATABLE VARIABLE COSTS			**2 746,24**	**832,19**
C) PRE-HARVEST COST				
Fuel	L	18,78	467,90	141,79
Repairs & Maintenance			158,44	48,01
D) HARVEST COSTS				
Fuel	L	18,78	1 045,15	316,71
Repairs & Maintenance			1 074,76	325,68
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			**115 325,10**	**34 947,00**
Interest on Working Capital			5 091,68	1 542,93
MARGIN ABOVE SPECIFIED COSTS			**110 233,42**	**33 404,07**

NOTES:

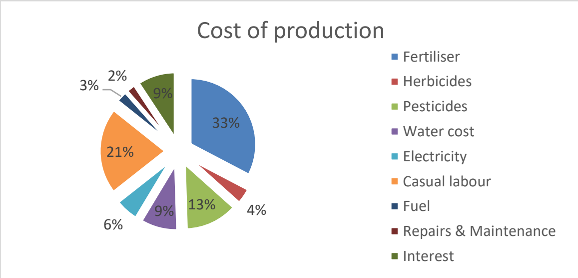
Interest Rate	10,25%
Growing period of Crop (Months)	12
Inter row spacing (m)	6,83
Intra-row spacing (m)	3,91
Tree replacement %	2,5%

Note: The price per ton is final price received by producers after the cost of delivery, marketing and facility, rand operation, drying and unsound kernel surcharge were deducted.

SENSITIVITY ANALYSIS

YIELD (Ton/ha)	PRICE (R/Ton)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 45 000	**R 47 500**	**R 50 000**	**R 52 500**	**R 55 000**
2,64	R 64 033	R 70 633	R 77 233	R 83 833	R 90 433
2,97	R 78 883	R 86 308	R 93 733	R 101 158	R 108 583
3,30	R 93 733	R 101 983	R 110 233	R 118 483	R 126 733
3,63	R 108 583	R 117 658	R 126 733	R 135 808	R 144 883
3,96	R 123 433	R 133 333	R 143 233	R 153 133	R 163 033
BREAKEVEN YIELD (Ton/Ha)	**1,22**	**1,15**	**1,10**	**1,04**	**1,00**

Costs Of Production	R/Ha
Fertiliser	17 887,03
Herbicides	2 156,94
Pesticides	7 073,28
Water cost	5 000,00
Electricity	3 151,46
Casual labour	11 659,95
Fuel	1513,05
Repairs & Maintenance	1233,19
Interest	5 091,68



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