

ENTERPRISE BUDGET			
Classification	Nuts	Province	Western Cape
Enterprise Budget Name	Macadamia nuts (Y8) (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			2,16	108 000,00	50 000,00
Product Income					
Macadamia nuts	Ton	50 000,00	2,16	108 000,00	50 000,00
MARKETING COSTS					
	Ton	50 000,00	0,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				108 000,00	50 000,00
TOTAL ALLOCATABLE VARIABLE COSTS				45 529,14	21 078,31
DIRECTLY ALLOCATABLE VARIABLE COSTS				42 782,90	19 806,90
A) PRE-HARVEST COST					
FERTILISER				17 887,03	8 281,03
Potassium Sulphate	Ton	19 696,05	0,69	13 590,27	6 291,79
Ammonium Sulphate	Ton	7 466,72	0,20	1 493,34	691,36
Lime Ammonium Nitrate (28)	Ton	9 252,21	0,25	2 313,05	1 070,86
Magnesium Sulphate	Ton	7 232,58	0,06	433,95	200,91
Microelements	L	188,00	0,30	56,40	26,11
HERBICIDES				2 156,94	998,58
Glufosinate Ammonium	L	119,83	18,00	2 156,94	998,58
PESTICIDES				7 073,28	3 274,67
Methamidophos	L	316,59	0,20	63,32	29,31
Bioneem	L	210,49	2,50	526,23	243,62
emamectin benzoate	L	371,35	1,00	371,35	171,92
Methoxyfenozide	L	370,57	0,75	277,93	128,67
Trivia 500	KG	1 281,31	1,20	1 537,57	711,84
Alpha-cypermethrin	L	1 020,54	2,20	2 245,20	1 039,44
Spinetoram 250 WG	Kg	9 372,85	0,20	1 874,57	867,86
Bifenthrin(pyrethroid) 100g/L	L	354,24	0,50	177,12	82,00
WATER COSTS				5 000,00	2 314,81
Water expenses	Ha	5 000,00	1,00	5 000,00	2 314,81
ELECTRICITY COSTS				3 151,46	1 459,01
Electricity ¹	kWh	2,99	1 054,00	3 151,46	0,00
CASUAL LABOUR				1 295,55	599,79
Casual Labour Weeding/Day	R/Manday	259,11	5,00	1 295,55	599,79
B) HARVEST COSTS				6 218,64	2 879,00
Casual Labour Harvesting/Day	R/Manday	259,11	24,00	6 218,64	2 879,00
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				65 217,10	30 193,10

INDIRECTLY ALLOCATABLE VARIABLE COSTS			2 746,24	1 271,41
C) PRE-HARVEST COST				
Fuel	L	18,78	467,90	216,62
Repairs & Maintenance			158,44	73,35
D) HARVEST COSTS				
Fuel	L	18,78	1 045,15	483,87
Repairs & Maintenance			1 074,76	497,57
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			62 470,86	28 921,69
Interest on Working Capital			4 666,74	2 160,53
MARGIN ABOVE SPECIFIED COSTS			57 804,12	26 761,17

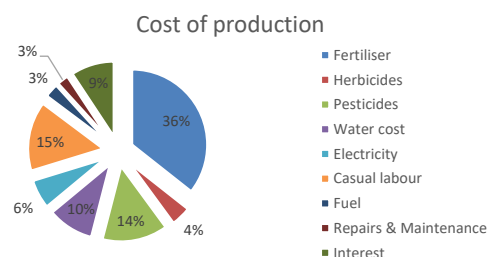
NOTES:

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
1,73	R 27 564	R 31 884	R 36 204	R 40 524	R 44 844
1,94	R 37 284	R 42 144	R 47 004	R 51 864	R 56 724
2,16	R 47 004	R 52 404	R 57 804	R 63 204	R 68 604
2,38	R 56 724	R 62 664	R 68 604	R 74 544	R 80 484
2,59	R 66 444	R 72 924	R 79 404	R 85 884	R 92 364
BREAKEVEN YIELD (Ton/Ha)	1,12	1,06	1,00	0,96	0,91

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	7 514,19
Fuel	1513,05
Repairs & Maintenance	1233,19
Interest	4 666,74



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