

ENTERPRISE BUDGET

Classification	Agronomy	Province	Western Cape
Enterprise Budget Name	Hops (YR 2)	District	Garden Route
Land Size	1 Hectare	Area	George Area
Date Developed	15 June 2021	Latest update	15 June 2022
Developer	O'Brien Perel	Updater	O'Brien Perel
Soil Type	Sandy-Clay		

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

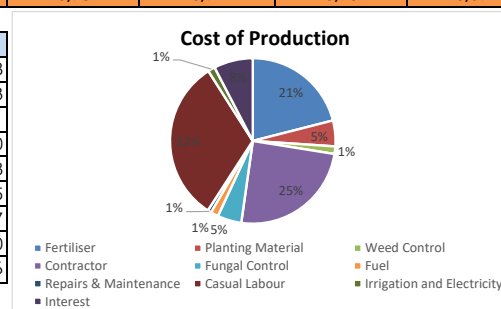
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			1,90	219 393,00	115 470,00
Product Income					
Hops	Ton	115 470,00	1,90	219 393,00	115 470,00
MARKETING COSTS Market					
GROSS INCOME minus MARKETING COSTS				219 393,00	115 470,00
TOTAL ALLOCATABLE VARIABLE COSTS				78 924,42	41 539,17
DIRECTLY ALLOCATABLE VARIABLE COSTS				76 039,69	40 020,89
A) PRE-HARVEST COST					
PLANTING MATERIAL				1 275,53	671,33
Hops	Plant	0,60	2 133,00	1 275,53	671,33
FERTILISER				27 221,88	14 327,31
1:0:0 (40)	Ton	21 062,25	0,50	10 531,13	5 542,70
Potassium Sulphate	Ton	31 878,00	0,22	7 013,16	3 691,14
Lime Ammonium Nitrate (28)	Ton	13 599,90	0,63	8 527,14	4 487,97
Dolomitic Lime	Ton	503,70	0,80	402,96	212,08
Gypsum Std Grade 66%	Ton	747,50	1,00	747,50	393,42
HERBICIDES				1 902,81	1 001,48
Paraquat	L	111,08	8,20	910,84	479,39
Glyphosate	L	190,92	3,20	610,95	321,55
Haloxypop-r-methyl	L	686,70	0,40	274,68	144,57
Simazine 500 SC	L	154,10	0,69	106,33	55,96
FUNGICIDES				6 072,00	3 195,79
Benomyl	Kg	404,80	15,00	6 072,00	3 195,79
CASUAL LABOUR				15 398,16	8 104,29
Casual Labour Tree training/Hour	R/Manhour	23,19	381,00	8 835,39	4 650,21
Casual labour shovelling/Hour	R/Manhour	23,19	162,00	3 756,78	1 977,25
Casual labour stringing/Hour	R/Manhour	23,19	121,00	2 805,99	1 476,84
IRRIGATION & ELECIRITY				1 800,00	947,37
Electricity	R/Ha	1 800,00	1,00	1 800,00	947,37
B) HARVEST COST				22 369,31	11 773,32
Casual Labour Harvesting/Hour	R/Manhour	23,19	964,61	22 369,31	11 773,32
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				143 353,31	75 449,11

INDIRECTLY ALLOCATABLE VARIABLE COSTS			2 884,73	1 518,28
B) PRE-HARVEST COST				
Fuel	L	20,39	1 435,59	755,57
Repairs & Maintenance			554,99	292,10
C) HARVEST COSTS				
Fuel	L	20,39	520,99	274,20
Repairs & Maintenance			373,16	196,40
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			140 468,58	73 930,83
Interest on Working Capital			6 511,26	3 426,98
MARGIN ABOVE SPECIFIED COSTS			133 957,32	70 503,85

NOTES:	
Interest Rate	8,25%
Growing period of Crop (Months)	12
Tree replacement %	16

SENSITIVITY ANALYSIS					
YIELD (KG/ha)	PRICE (R/KG)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 103 923,00	R 109 696,50	R 115 470,00	R 121 243,50	R 127 017,00
1,52	R 72 527	R 81 303	R 90 079	R 98 854	R 107 630
1,71	R 92 273	R 102 145	R 112 018	R 121 891	R 131 763
1,90	R 112 018	R 122 988	R 133 957	R 144 927	R 155 897
2,09	R 131 763	R 143 830	R 155 897	R 167 963	R 180 030
2,28	R 151 509	R 164 672	R 177 836	R 190 999	R 204 163
BREAKEVEN YIELD (KG/Ha)	0,82	0,78	0,74	0,70	0,67

Costs Of Production	R/Ha
Fertiliser	27 221,88
Planting Material	1 275,53
Weed Control	1 902,81
Fungal Control	6 072,00
Fuel	1 956,58
Repairs & Maintenance	928,15
Casual Labour	37 767,47
Irrigation and Electricity	1 800,00
Interest	6 511,26



Disclaimer

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