

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	09 June 2023
Developer	O'Brien Perel	Updater	O'Brien Perel
Soil Type	Sandy-Clay		

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

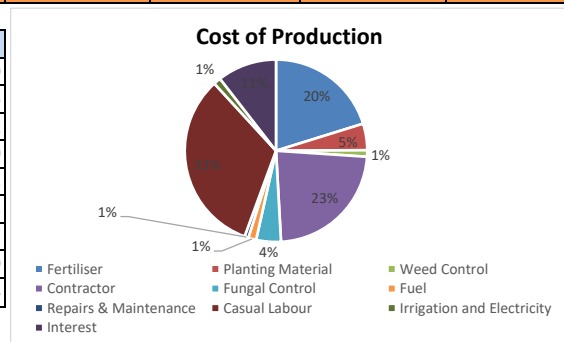
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			1,90	219 393,00	115 470,00
Product Income					
Hops	Ton	115 470,00	1,90	219 393,00	115 470,00
MARKETING COSTS Market					
GROSS INCOME minus MARKETING COSTS				219 393,00	115 470,00
TOTAL ALLOCATABLE VARIABLE COSTS				83 069,25	43 720,66
DIRECTLY ALLOCATABLE VARIABLE COSTS				80 162,83	42 190,96
A) PRE-HARVEST COST					
PLANTING MATERIAL				1 275,53	671,33
Hops	Plant	0,60	2 133,00	1 275,53	671,33
FERTILISER				28 025,30	14 750,16
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	14 822,58	0,63	9 293,76	4 891,45
Dolomitic Lime	Ton	549,70	0,80	439,76	231,45
Gypsum Std Grade 66%	Ton	747,50	1,00	747,50	393,42
HERBICIDES				1 590,72	837,22
Paraquat	L	99,59	8,20	816,64	429,81
Glyphosate	L	145,85	3,20	466,71	245,64
Haloxypop-r-methyl	L	502,61	0,40	201,04	105,81
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				16 878,88	8 883,62
Casual Labour Tree training/Hour	R/Manhour	25,42	381,00	9 685,02	5 097,38
Casual labour shovelling/Hour	R/Manhour	25,42	162,00	4 118,04	2 167,39
Casual labour stringing/Hour	R/Manhour	25,42	121,00	3 075,82	1 618,85
IRRIGATION & ELECRCITY				1 800,00	947,37
Electricity	R/Ha	1 800,00	1,00	1 800,00	947,37
B) HARVEST COST				24 520,39	12 905,47
Casual Labour Harvesting/Hour	R/Manhour	25,42	964,61	24 520,39	12 905,47
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				139 230,17	73 279,04

INDIRECTLY ALLOCATABLE VARIABLE COSTS			2 906,42	1 529,70
B) PRE-HARVEST COST				
Fuel	L	20,11	1 415,98	745,25
Repairs & Maintenance			554,99	292,10
C) HARVEST COSTS				
Fuel	L	20,11	538,99	283,68
Repairs & Maintenance			396,47	208,67
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			136 323,75	71 749,34
Interest on Working Capital			9 760,64	5 137,18
MARGIN ABOVE SPECIFIED COSTS			126 563,12	66 612,17

NOTES:	
Interest Rate	11,75%
Growing period of Crop (Months)	12
Tree replacement %	16

SENSITIVITY ANALYSIS					
YIELD (Ton/ha)	PRICE (R/Ton)				
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 65 133	R 73 909	R 82 685	R 91 460	R 100 236
1,71	R 84 878	R 94 751	R 104 624	R 114 497	R 124 369
1,90	R 104 624	R 115 593	R 126 563	R 137 533	R 148 502
2,09	R 124 369	R 136 436	R 148 502	R 160 569	R 172 636
2,28	R 144 115	R 157 278	R 170 442	R 183 605	R 196 769
BREAKEVEN YIELD (Ton/Ha)	0,89	0,85	0,80	0,77	0,73

Costs Of Production	R/Ha
Fertiliser	28 025,30
Planting Material	1 275,53
Weed Control	1 590,72
Fungal Control	6 072,00
Fuel	1 954,96
Repairs & Maintenance	951,46
Casual Labour	41 399,27
Irrigation and Electricity	1 800,00
Interest	9 760,64



Disclaimer

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