

ENTERPRISE BUDGET

Classification	Agronomy	Province	Western Cape
Enterprise Budget Name	Hops (Establishment)	District	Garden Route
Land Size	1 Hectare	Area	George
Date Developed	15 June 2021	Latest update	07 June 2024
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			1,75	255 360,00	145 920,00
Product Income					
Hops	Ton	145 920,00	1,75	255 360,00	145 920,00
MARKETING COSTS Market					
GROSS INCOME minus MARKETING COSTS				255 360,00	145 920,00
TOTAL ALLOCATABLE VARIABLE COSTS				112 237,96	64 135,98
DIRECTLY ALLOCATABLE VARIABLE COSTS				109 310,58	62 463,19
A) PRE-HARVEST COST					
PLANTING MATERIAL				13 340,00	7 622,86
Hops	Plant	0,92	14 500,00	13 340,00	7 622,86
FERTILISER				17 304,50	9 888,29
1:0:0 (40)	Ton	8 543,35	0,50	4 271,68	2 440,96
Potassium Sulphate	Ton	17 060,00	0,22	3 753,20	2 144,69
Lime Ammonium Nitrate (28)	Ton	9 972,98	0,63	6 253,06	3 573,18
Dolomitic Lime	Ton	1 196,00	0,80	956,80	546,74
Gypsum Std Grade 66%	Ton	2 069,77	1,00	2 069,77	1 182,73
HERBICIDES				1 458,59	833,48
Paraquat	L	77,71	8,20	637,19	364,11
Glyphosate	L	157,35	3,20	503,51	287,72
Haloxypop-r-methyl	L	522,99	0,40	209,19	119,54
Simazine 500 SC	L	157,54	0,69	108,70	62,12
FUNGICIDES				4 863,64	2 779,22
Benomyl	Kg	324,24	15,00	4 863,64	2 779,22
CASUAL LABOUR				24 546,20	14 026,40
Casual Labour Tree training/Hour	R/Manhour	27,58	381,00	10 507,98	6 004,56
Casual labour shovelling/Hour	R/Manhour	27,58	344,00	9 487,52	5 421,44
Casual labour stringing/Hour	R/Manhour	27,58	165,00	4 550,70	2 600,40
IRRIGATION & ELECRICITY				16 193,92	9 253,67
Electricity	R/Ha	16 193,92	1,00	16 193,92	9 253,67
CONTRACTOR				7 100,00	4 057,14
Soil preparation	R/Ha	7 100,00	1,00	7 100,00	4 057,14
B) HARVEST COST				24 503,73	14 002,13
Casual Labour Harvesting/Hour	R/Manhour	27,58	888,46	24 503,73	14 002,13
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				146 049,42	83 456,81

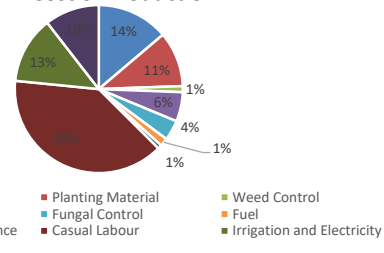
INDIRECTLY ALLOCATABLE VARIABLE COSTS			2 927,38	1 672,79
B) PRE-HARVEST COST				
Fuel	L	20,33	1 431,16	817,80
Repairs & Maintenance			554,99	317,14
C) HARVEST COSTS				
Fuel	L	20,33	544,76	311,29
Repairs & Maintenance			396,47	226,55
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			143 122,04	81 784,02
Interest on Working Capital			13 187,96	7 535,98
MARGIN ABOVE SPECIFIED COSTS			129 934,08	74 248,05

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 131 328,00	R 138 624,00	R 145 920,00	R 153 216,00	R 160 512,00
1,40	R 58 433	R 68 648	R 78 862	R 89 076	R 99 291
1,58	R 81 416	R 92 907	R 104 398	R 115 889	R 127 380
1,75	R 104 398	R 117 166	R 129 934	R 142 702	R 155 470
1,93	R 127 380	R 141 425	R 155 470	R 169 515	R 183 560
2,10	R 150 363	R 165 684	R 181 006	R 196 328	R 211 649
BREAKEVEN YIELD (Ton/Ha)	0,96	0,90	0,86	0,82	0,78

Costs Of Production	R/Ha
Fertiliser	17 304,50
Planting Material	13 340,00
Weed Control	1 458,59
Contractor	7 100,00
Fungal Control	4 863,64
Fuel	1 975,92
Repairs & Maintenance	951,46
Casual Labour	49 049,93
Irrigation and Electricity	16 193,92
Interest	13 187,96

Cost of Production

Disclaimer

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