

ENTERPRISE BUDGET

Classification	Agronomy	Province	Western Cape
Enterprise Budget Name	Hops (YR 2)	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.

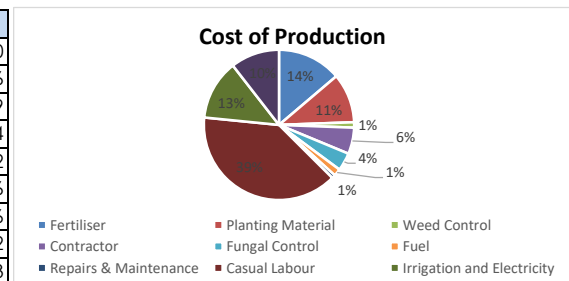
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			1,90	277 248,00	145 920,00
Product Income					
Hops	Ton	145 920,00	1,90	277 248,00	145 920,00
MARKETING COSTS Market					
GROSS INCOME minus MARKETING COSTS				277 248,00	145 920,00
TOTAL ALLOCATABLE VARIABLE COSTS				89 627,45	47 172,34
DIRECTLY ALLOCATABLE VARIABLE COSTS				86 700,08	45 631,62
A) PRE-HARVEST COST					
PLANTING MATERIAL				1 962,36	1 032,82
Hops	Plant	0,92	2 133,00	1 962,36	1 032,82
FERTILISER				17 304,50	9 107,63
1:0:0 (40)	Ton	8 543,35	0,50	4 271,68	2 248,25
Potassium Sulphate	Ton	17 060,00	0,22	3 753,20	1 975,37
Lime Ammonium Nitrate (28)	Ton	9 972,98	0,63	6 253,06	3 291,08
Dolomitic Lime	Ton	1 196,00	0,80	956,80	503,58
Gypsum Std Grade 66%	Ton	2 069,77	1,00	2 069,77	1 089,35
HERBICIDES				1 458,59	767,68
Paraquat	L	77,71	8,20	637,19	335,36
Glyphosate	L	157,35	3,20	503,51	265,01
Haloxypop-r-methyl	L	522,99	0,40	209,19	110,10
Simazine 500 SC	L	157,54	0,69	108,70	57,21
FUNGICIDES				4 863,64	2 559,81
Benomyl	Kg	324,24	15,00	4 863,64	2 559,81
CASUAL LABOUR				18 313,12	9 638,48
Casual Labour Tree training/Hour	R/Manhour	27,58	381,00	10 507,98	5 530,52
Casual labour shovelling/Hour	R/Manhour	27,58	162,00	4 467,96	2 351,56
Casual labour stringing/Hour	R/Manhour	27,58	121,00	3 337,18	1 756,41
IRRIGATION & ELECRICITY				16 193,92	8 523,12
Electricity	R/Ha	16 193,92	1,00	16 193,92	8 523,12
B) HARVEST COST				26 603,94	14 002,08
Casual Labour Harvesting/Hour	R/Manhour	27,58	964,61	26 603,94	14 002,08
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				190 547,92	100 288,38

INDIRECTLY ALLOCATABLE VARIABLE COSTS			2 927,38	1 540,72
B) PRE-HARVEST COST				
Fuel	L	20,33	1 431,16	753,24
Repairs & Maintenance			554,99	292,10
C) HARVEST COSTS				
Fuel	L	20,33	544,76	286,72
Repairs & Maintenance			396,47	208,67
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			187 620,55	98 747,66
Interest on Working Capital			10 531,23	5 542,75
MARGIN ABOVE SPECIFIED COSTS			177 089,32	93 204,91

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
1,52	R 99 460	R 110 550	R 121 640	R 132 730	R 143 820
1,71	R 124 412	R 136 888	R 149 365	R 161 841	R 174 317
1,90	R 149 365	R 163 227	R 177 089	R 190 952	R 204 814
2,09	R 174 317	R 189 565	R 204 814	R 220 063	R 235 311
2,28	R 199 269	R 215 904	R 232 539	R 249 174	R 265 809
BREAKEVEN YIELD (Ton/Ha)	0,76	0,72	0,69	0,65	0,62

Costs Of Production	R/Ha
Fertiliser	17 304,50
Planting Material	1 962,36
Weed Control	1 458,59
Fungal Control	4 863,64
Fuel	1 975,92
Repairs & Maintenance	951,46
Casual Labour	44 917,06
Irrigation and Electricity	16 193,92
Interest	10 531,23



Disclaimer

The enterprise budget developed by the Western Cape Department of Agriculture are done to reflect accuracy and relevance of information. However, as each enterprise budget contains data from various sources its correctness cannot be guaranteed. Therefore, any person using this information will be doing so at own risk as the said organisation or other party will under no circumstances be responsible for any loss suffered by any person /organisation using the information contained in this document.