



ENTERPRISE BUDGET

Classification	Agronomy	Province	Western Cape
Enterprise Budget Name	Hops (YR 3)	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.

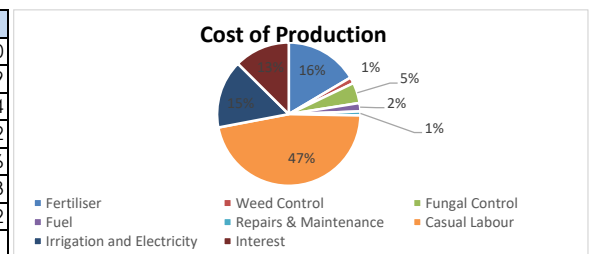
Description	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			2,25	328 320,00	145 920,00
Product Income					
Hops	Ton	145 920,00	2,25	328 320,00	145 920,00
MARKETING COSTS Market					
GROSS INCOME minus MARKETING COSTS				328 320,00	145 920,00
TOTAL ALLOCATABLE VARIABLE COSTS				92 566,06	41 140,47
DIRECTLY ALLOCATABLE VARIABLE COSTS				89 638,68	39 839,42
A) PRE-HARVEST COST					
FERTILISER				17 304,50	7 690,89
1:0:0 (40)	Ton	8 543,35	0,50	4 271,68	1 898,52
Potassium Sulphate	Ton	17 060,00	0,22	3 753,20	1 668,09
Lime Ammonium Nitrate (28)	Ton	9 972,98	0,63	6 253,06	2 779,14
Dolomitic Lime	Ton	1 196,00	0,80	956,80	425,24
Gypsum Std Grade 66%	Ton	2 069,77	1,00	2 069,77	919,90
HERBICIDES				1 458,59	648,26
Paraquat	L	77,71	8,20	637,19	283,19
Glyphosate	L	157,35	3,20	503,51	223,78
Haloxypop-r-methyl	L	522,99	0,40	209,19	92,98
Simazine 500 SC	L	157,54	0,69	108,70	48,31
FUNGICIDES				4 863,64	2 161,62
Benomyl	Kg	324,24	15,00	4 863,64	2 161,62
CASUAL LABOUR				18 313,12	8 139,16
Casual Labour Tree training/Hour	R/Manhour	27,58	381,00	10 507,98	4 670,21
Casual labour shovelling/Hour	R/Manhour	27,58	162,00	4 467,96	1 985,76
Casual labour stringing/Hour	R/Manhour	27,58	121,00	3 337,18	1 483,19
IRRIGATION & ELECRCITY				16 193,92	7 197,30
Electricity	R/Ha	16 193,92	1,00	16 193,92	7 197,30
B) HARVEST COST				31 504,91	14 002,18
Casual Labour Harvesting/Hour	R/Manhour	27,58	1 142,31	31 504,91	14 002,18
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				238 681,32	106 080,58

INDIRECTLY ALLOCATABLE VARIABLE COSTS			2 927,38	1 301,06
B) PRE-HARVEST COST				
Fuel	L	20,33	1 431,16	636,07
Repairs & Maintenance			554,99	246,66
C) HARVEST COSTS				
Fuel	L	20,33	544,76	242,12
Repairs & Maintenance			396,47	176,21
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			235 753,94	104 779,53
Interest on Working Capital			10 876,51	4 834,01
MARGIN ABOVE SPECIFIED COSTS			224 877,43	99 945,52

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
1,80	R 132 948	R 146 081	R 159 213	R 172 346	R 185 479
2,03	R 162 497	R 177 271	R 192 045	R 206 820	R 221 594
2,25	R 192 045	R 208 461	R 224 877	R 241 293	R 257 709
2,48	R 221 594	R 239 652	R 257 709	R 275 767	R 293 825
2,70	R 251 143	R 270 842	R 290 541	R 310 241	R 329 940
BREAKEVEN YIELD (Ton/Ha)	0,79	0,75	0,71	0,68	0,64

Costs Of Production	R/Ha
Fertiliser	17 304,50
Weed Control	1 458,59
Fungal Control	4 863,64
Fuel	1 975,92
Repairs & Maintenance	951,46
Casual Labour	49 818,03
Irrigation and Electricity	16 193,92
Interest	10 876,51



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.