Western Cape Government

AGRICULTURAL ECONOMICS SERVICES
Division: Production Economics
Tel: 021 808 5317
Private Bag X1, Elsenburg. 7607

ENTERPRISE BUDGET

Classification	Fruit	**Province**	Western Cape
Enterprise Budget Name	Lemons Y7	**District**	Cape Winelands
Land Size	1 Hectare	**Area**	Drakenstein
Date Developed	06 September 2018	**Date Updated**	06 September 2024
Developer	Mzwanele Lingani	**Updater**	Nkhanedzeni Nedzungani
Soil Type	Sandy clay		

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

	Unit	Price Per Unit	Quantity	Per Ha	Value Per Yield Unit
GROSS INCOME			**85,00**	**271 486,60**	**3 193,96**
Product Income					
Lemons - Local Market	Ton	3 193,96	85,00	271 486,60	3 193,96
MARKETING COSTS (Local Market)			0,00	0,00	0,00
GROSS INCOME minus MARKETING COSTS				**271 486,60**	**3 193,96**
TOTAL ALLOCATABLE VARIABLE COSTS				**72 383,21**	**851,57**
DIRECTLY ALLOCATABLE VARIABLE COSTS				**63 893,73**	**751,69**
A) PRE-HARVEST COST					
FERTILISER				**39 953,50**	**470,04**
Urea HB Granular 46%	Ton	13 422,21	0,50	6 764,80	79,59
Mono Ammonium Phosphate	Ton	35 480,00	0,24	8 621,64	101,43
Calcium Nitrate	Ton	9 640,00	0,45	4 318,72	50,81
Magnesium	Ton	16 560,00	0,15	2 467,44	29,03
Potassium Nitrate	Ton	31 866,50	0,50	15 869,52	186,70
KCL	Ton	7 295,37	0,26	1 911,39	22,49
HERBICIDES				**472,04**	**5,55**
Glyphosate	L	157,35	3,00	472,04	5,55
INSECTICIDES				**2 057,34**	**24,20**
Bacillus thuringiensis	Kg	823,41	0,13	102,93	1,21
Imidacloprid 350SC	L	253,72	0,90	228,35	2,69
Mineral Oil 857g/l (Ampron)	L	23,51	3,00	70,52	0,83
Spinetoram 250 WG	Kg	8 277,71	0,20	1 655,54	19,48
FUNGICIDES				**4 038,71**	**47,51**
Potassium phosphite 400 SL	L	100,97	40,00	4 038,71	47,51
PESTICIDES				**548,34**	**6,45**
Spirotetramat	L	2 741,70	0,20	548,34	6,45
CASUAL LABOUR				**2 758,00**	**32,45**
Casual Labour Spraying/Hour	R/Manhour	27,58	100,00	2 758,00	32,45
B) HARVEST COSTS				**14 065,80**	**165,48**

Casual Labour Harvesting/Hour	R/Manhour	27,58	450,00	12 411,00	146,01
Casual Labour Sorting & Grading/Hour	R/Manhour	27,58	60,00	1 654,80	19,47
GROSS MARGIN ABOVE DIRECTLY ALLOCATABLE VARIABLE COSTS				**207 592,87**	**2 442,27**

INDIRECTLY ALLOCATABLE VARIABLE COSTS			**8 489,48**	**99,88**
C) PRE-HARVEST COST				
Fuel	L	19,99	814,78	9,59
Repairs & Maintenance			486,66	5,73
D) HARVEST COSTS				
Fuel	L	19,99	3 337,91	39,27
Repairs & Maintenance			3 850,13	45,30
GROSS MARGIN ABOVE TOTAL ALLOCATABLE VARIABLE COSTS			**199 103,39**	**2 342,39**
Interest on Working Capital			8 505,03	100,06
MARGIN ABOVE SPECIFIED COSTS			**190 598,36**	**2 242,33**

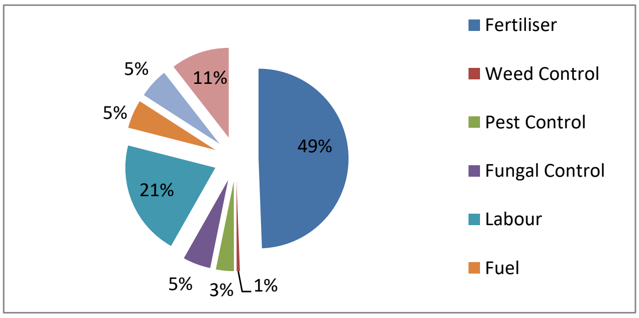
NOTES:

Interest Rate	11,75%
Growing period of Crop (Months)	12

SENSITIVITY ANALYSIS

YIELD (ton/ha)	PRICE (R/ton)				
YIELD CHANGE AT 10% INCREMENTS	LESS 10%	LESS 5%	ACTUAL	ADD 5%	ADD 10%
	R 2 875	**R 3 034**	**R 3 194**	**R 3 354**	**R 3 513**
68,00	R 114 582	R 125 442	R 136 301	R 147 161	R 158 020
76,50	R 139 016	R 151 233	R 163 450	R 175 667	R 187 883
85,00	R 163 450	R 177 024	R 190 598	R 204 173	R 217 747
93,50	R 187 883	R 202 815	R 217 747	R 232 679	R 247 611
102,00	R 212 317	R 228 606	R 244 896	R 261 185	R 277 474
BREAKEVEN YIELD (Ton/Ha)	**28,14**	**26,66**	**25,33**	**24,12**	**23,02**

Costs Of Production	R/Ha
Fertiliser	39 953,50
Weed Control	472,04
Pest Control	2 605,68
Fungal Control	4 038,71
Labour	16 823,80
Fuel	4 152,70
Repairs & Maintenance	4 336,79
Interest	8 505,03



Disclaimer

The Western Cape Department of Agriculture prepared this data/ information as accurately as possible. However, as this document contains data from various sources, its correctness cannot be guaranteed. 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 using the information contained in this document