



Dryland Hybrid Forage Sorghum/Sudan Grass

Farm Enterprise Budget Series - North East NSW

Summer 2011-2012

Steers purchase weight and price

\$1.90 per kg live @ 260 kg = \$494.00 per head

Steers finished weight and price

\$1.95 per kg live @ 330 kg = \$643.50 per head

Dry matter t/ha 5.2

Steers/ha 5.0

GROSS MARGIN BUDGET:

INCOME - GRAZING

Grazing (will vary substantially depending on stock type, seasonal conditions, crop growth & grazing period)

5.0 hd/ha @ 0.90 kg/day x \$1.95/kg liveweight

i.e. 330 kg/hd @ \$644/hd

Sample Budget	Your Budget
\$/ha	\$/ha

\$3,217.50	
------------	--

A. TOTAL INCOME \$/ha:

\$3,217.50	
-------------------	--

VARIABLE COSTS: see following page for details

Establishment cost (seed, fertiliser, herbicides).....		\$302.24	
Cattle Variable costs - Purchase store steers, 260 kg @ \$1.90/kg = \$494/hd.....		\$2,470.00	
Drench, 5-in-1 vaccine, sulphur blocks.....	\$ 4.64 \$/hd	\$23.18	
Supplement.....	\$ - \$/hd	\$ -	
Commission.....	5.0% of cattle sales	\$160.88	
Industry Levies.....	\$ 5.50 \$/hd	\$27.50	
Yard Dues.....	\$ 3.00 \$/hd	\$15.00	
Freight.....	\$ 20.00 \$/hd	\$100.00	
Interest on up-front costs.....	10.0% 78 days	\$59.57	

B. TOTAL VARIABLE COSTS \$/ha:

\$3,158.37	
-------------------	--

C. GROSS MARGIN (A-B) \$/ha:

\$59.13	
----------------	--

D. GROSS MARGIN (A-B) \$/head:

\$11.83	
----------------	--

SENSITIVITY TABLE: Effect of livestock prices on gross margin per hectare

Purchase Price \$/kg	Selling Price				
	\$1.85 /kg	\$1.90 /kg	\$1.95 /kg	\$2.00 /kg	\$2.05 /kg
1.75	\$89	\$172	\$254	\$337	\$419
1.80	\$24	\$107	\$189	\$272	\$354
1.85	-\$41	\$42	\$124	\$207	\$289
1.90	-\$106	-\$23	\$59	\$142	\$224
1.95	-\$171	-\$88	-\$6	\$77	\$159
2.00	-\$236	-\$153	-\$71	\$12	\$94
2.05	-\$301	-\$218	-\$136	-\$53	\$29

SENSITIVITY TABLE: Effect of weight gain and selling price on gross margin per hectare

Weight gain kg/day	Selling Price				
	\$1.85 /kg	\$1.90 /kg	\$1.95 /kg	\$2.00 /kg	\$2.05 /kg
0.75	-\$214	-\$134	-\$55	\$25	\$105
0.80	-\$178	-\$97	-\$17	\$64	\$144
0.85	-\$142	-\$60	\$21	\$103	\$184
0.90	-\$106	-\$23	\$59	\$142	\$224
0.95	-\$70	\$14	\$97	\$181	\$264
1.00	-\$34	\$51	\$135	\$219	\$304
1.05	\$2	\$87	\$173	\$258	\$344

Assumptions

Dryland Hybrid Forage Sorghum/Sudan Grass

No till

Summer 2011-2012

CALENDAR OF OPERATIONS:		Machinery			Inputs			Total
Operation	Month	hrs /ha	Cost	Total	Rate/ha	Cost	Total	Total Cost
			\$/hour	\$/ha		\$	\$/ha	
Herbicide - ground spray, glyphosate CT	Jan	0.05	54.60	2.73	1.5 L	4.42	6.63	9.36
Wetter - non-ionic surfactant	Jan	with above			0.2 L	6.45	1.29	1.29
Herbicide - paraquat + diquat	Jan	0.05	54.60	2.73	2.0 L	10.28	20.56	23.29
Herbicide - ground spray, glyphosate CT	Apr	0.05	54.60	2.73	1.2 L	4.42	5.30	8.03
Herbicide - 2,4-D i.p.a. 300 g/L	Apr	with above			0.8 L	4.20	3.36	3.36
Wetter - non-ionic surfactant	Apr	with above			0.2 L	6.45	1.29	1.29
Herbicide - ground spray, glyphosate CT	Jun	0.05	54.60	2.73	1.0 L	4.42	4.42	7.15
Wetter - non-ionic surfactant	Jun	with above			0.2 L	6.45	1.29	1.29
Herbicide - ground spray, glyphosate CT	Sep	0.05	54.60	2.73	1.2 L	4.42	5.30	8.03
Wetter - non-ionic surfactant	Sep	with above			0.2 L	6.45	1.29	1.29
Fertiliser - Urea (bulk)	Oct	with above			180 kg	0.70	126.30	126.30
Seed - thiamethoxam	Nov	0.18	74.08	13.33	2.6 kg	12.38	32.19	45.52
Fertiliser - Granulock SuPreme Z	Nov	with above			40.0 kg	1.08	43.20	43.20
Herbicide - ground spray	Nov	0.05	54.60	2.73				2.73
Herbicide - atrazine 600 g/L	Nov	with above (PSPE)			3.0 L	6.70	20.10	20.10
25g/day over 78 days"								Total \$/ha \$302.24

Steers on forage sorghum (with \$3,158/ha variable costs)

Purchase Price \$/kg	Selling Price		
	\$1.85 /kg	\$1.95 /kg	\$2.05 /kg
\$1.75 /kg	\$89	\$254	\$419
\$1.90 /kg	-\$106	\$59	\$224
\$2.05 /kg	-\$301	-\$136	\$29

