

Appendix One

Working Out Irrigated only Returns ,Costs and Farm Trading Surplus per hectare(Derived from Compass Agri Business Management Report)

Compass Agri Business Farm Model (Hectares Used)

Irrigated	340
Dryland	60
Total area	400

Irrigated and Dryland

	Unrestricted			450 litres per sec			750 Litres per sec		
	Total	Per Ha	Cent per Kg	Total	Per Ha	Cent per Kg	Total	Per Ha	Cents per Kg
Income	\$1,104,300	\$2,761	\$0.25	\$830,580	\$2,076	\$0.20	\$651,800	\$1,630	\$0.17
Farm Expenses	\$631,280	\$1,578	\$0.14	\$617,824	\$1,545	\$0.15	\$605,568	\$1,514	\$0.16
Trading surplus	\$473,020	\$1,183	\$0.11	\$212,756	\$532	\$0.05	\$46,232	\$116	\$0.01

Total Drymatter Utilised	4,499,200		4,062,400		3,728,144
Minus Dryland					
Area (Ha)	60		60		60
Utilised per Ha	2,899		2,899		2,899
Total Dryland Drymatter	173,940		173,940		173,940
Nett Irrigated Drymatter	4,325,260		3,888,460		3,554,204
Irrigated hectares 340ha	340		340		340
DM per Irrigated Ha Utilised	12,721		11,437		10,454

Minus Dryland returns

	Total	Per Ha	Cent per Kg	Total	Per Ha	Cent per Kg	Total	Per Ha	Cents per Kg
Income	\$42,692	\$712	\$0.25	\$35,563	\$593	\$0.20	\$30,410	\$507	\$0.17
Farm Expenses	\$24,405	\$407	\$0.14	\$26,453	\$441	\$0.15	\$28,253	\$471	\$0.16
Trading surplus	\$18,287	\$305	\$0.11	\$9,110	\$152	\$0.05	\$2,157	\$36	\$0.01

Derived

Return Per Irrigated Hectare

	Total	Per Ha	Cent per Kg	Total	Per Ha	Cent per Kg	Total	Per Ha	Cents per Kg
Income	\$1,061,608	\$3,122	\$0.25	\$795,017	\$2,338	\$0.20	\$621,390	\$1,828	\$0.17
Farm Expenses	\$606,875	\$1,785	\$0.14	\$591,371	\$1,739	\$0.15	\$577,315	\$1,698	\$0.16
Trading surplus	\$454,733	\$1,337	\$0.11	\$203,646	\$599	\$0.05	\$44,075	\$130	\$0.01

Regional Impact

Minimum Flow	Current Irrigation		450 litres per sec		750 Litres per sec
Hectares	3,833		3,833		3,833
Income	\$11,968,064		\$8,962,648		\$7,005,255
Farm Expenses	\$6,841,618		\$6,666,834		\$6,508,374
Trading surplus	\$5,126,445		\$2,295,814		\$496,881