

Enterprise **SWEDES** **2001**  
 Unit ha Furrow Irrigation - Machine Harvest

<b>GROSS MARGIN BUDGET:</b>				<b>1 ha</b>	Standard Budget	Your Budget
<b>INCOME:</b>						
		1200 bags/ha	@	\$7.00 /bag	\$8,400.00	
				<b>A. Total Income/ha</b>	\$8,400.00	
<b>VARIABLE COSTS:</b>						
<b>Seed</b>						
	Swede	3 kg/ha		\$60.00 /kg	\$180.00	
<b>Tractor costs</b>						
<b>Large equipment including labour, fuel, oil, etc</b>						
	2 Cultivation	0.7 hr/ha		\$30.50 /hr	\$42.70	
	1 Lister	0.5 hr/ha		\$30.50 /hr	\$15.25	
	1 Drill Fertiliser	0.5 hr/ha		\$30.50 /hr	\$15.25	
	2 Bedform	0.5 hr/ha		\$30.50 /hr	\$30.50	
	1 Sidedress	0.5 hr/ha		\$30.50 /hr	\$15.25	
	1 Inter Row Cult'n	0.5 hr/ha		\$30.50 /hr	\$15.25	
	4 Boomspray	0.2 hr/ha		\$30.50 /hr	\$24.40	
	1 Sowing	2.5 hr/ha		\$30.50 /hr	\$76.25	
<b>Irrigation</b>						
	Water	5.5 ML/ha		\$17.36 /ML	\$95.48	
<b>Fertiliser</b>						
	Single Super	500 kg/ha		\$0.24 /kg	\$120.00	
	Ammonium Nitrate	400 kg/ha		\$0.41 /kg	\$162.80	
<b>Pest control</b>						
	1 Insecticide	0.8 L/ha		\$8.75 /L	\$7.00	
	2 Insecticide	0.5 L/ha		\$46.00 /L	\$46.00	
	2 Fungicide	2.2 kg/ha		\$7.45 /kg	\$32.78	
<b>Weed control</b>						
	1 Herbicide	2.8 L/ha		\$6.50 /L	\$18.20	
	1 Post emergent	1.0 L/ha		\$63.70 /L	\$63.70	
<b>HARVESTING (35 paddock Tonnes to get 30 marketable Tonnes)</b>						
	Harvester	10 hr/ha		\$35.00 /hr	\$350.00	
	2 Bin Pick up	10 hr/ha		\$30.50 /hr	\$610.00	
	3 Casual labour	10 hr/ha		\$14.50 /hr	\$435.00	
	14 Bin Hire (14 days)	75 bins/ha		\$0.16 /bin-day	\$168.00	
<b>handling</b>						
	Wash, grade & pack	1200 bags/ha		\$1.20 /bag	\$1,440.00	
	Bags	1200 bags/ha		\$0.28 /bag	\$336.00	
<b>Levy</b>						
				0.50%	\$42.00	
<b>Freight</b>						
	Markets	1200 bags/ha		\$0.90 /bag	\$1,080.00	
<b>Agents commission</b>						
				12.00%	\$1,008.00	
				<b>B. Total Variable Costs</b>	<b>\$6,429.81</b>	
				<b>Gross Margin per ha (A-B)</b>	<b>\$1,970.19</b>	
				<b>Gross Margin per ML</b>	<b>\$358.22</b>	

Break-even price	\$5.36 /bag
Break-even yield	919 bags/ha

**PRODUCT TRADE NAMES**

The product trade names in this publication are omitted on the understanding that no preference between equivalent products is intended and that the inclusion of a product does not imply endorsement by NSW Agriculture over any other equivalent product from another manufacturer.

Enterprise

## SWEDES

2001

Furrow Irrigation - Machine Harvest

### SENSITIVITY ANALYSIS

**TABLE 1- Effect of Yield and Price on Gross Margin /ha**

YIELD (bag)	DELIVERED PRICE (\$/bag)					
	5.00	6.00	7.00	8.00	9.00	10.00
1000	-\$529	\$346	\$1,221	\$2,096	\$2,971	\$3,846
1100	-\$329	\$633	\$1,596	\$2,558	\$3,521	\$4,483
<b>1200</b>	-\$130	\$920	<b>\$1,970</b>	\$3,020	\$4,070	\$5,120
1300	\$70	\$1,207	\$2,345	\$3,482	\$4,620	\$5,757
1400	\$269	\$1,494	\$2,719	\$3,944	\$5,169	\$6,394

**TABLE 2- Effect of Yield and Price on Gross Margin /ML**

YIELD (half ctn)	DELIVERED PRICE (\$/half ctn)					
	5.00	6.00	7.00	8.00	9.00	10.00
1000	-\$96	\$63	\$222	\$381	\$540	\$699
1100	-\$60	\$115	\$290	\$465	\$640	\$815
<b>1200</b>	-\$24	\$167	<b>\$358</b>	\$549	\$740	\$931
1300	\$13	\$219	\$426	\$633	\$840	\$1,047
1400	\$49	\$272	\$494	\$717	\$940	\$1,163

The weighted average price shown in bold is based on the Flemington Market prices over a recent 12 month period.

**NOTES:**

<b>Area</b>	- Sydney basin and the MIA are the main growing areas
<b>Production</b>	- Planting arrangement for flood irrigation crops is on single rows about 0.9m apart or 3 or 4 rows on 1.5 to 2.0m beds for spray irrigation. Avoid problems with Club root fungus, a common soil disease of brassicas, by using a one-year in four rotation. Swedes are sown in late summer and autumn for a winter and spring
<b>Pests</b>	- Nematodes are the main insect pest with Rhizoctonia the most common disease.
<b>Harvesting</b>	- Swedes are ready for harvest in about 12 to 16 weeks after sowing. Mechanical harvesting is used for this budget but hand harvest is still common in some areas. One dirty bin of swedes contains 15 bags (20kg) of washed swedes.
<b>Yields</b>	- Yields vary from 20 to 30 tonnes (1000 to 1500 cartons) per hectare.
<b>Packaging</b>	- Swedes are mainly marketed in 20kg bags with 10kg bags and ½ tonne octabins also used. Most supermarkets generally require smaller swedes of 60 to 80mm for their vegetable packs.
<b>Economic note</b>	- <b>This budget is ONLY A GUIDE</b> and should be altered for movements in crop and input prices, changes in seasonal conditions and the farm characteristics. - This budget does not include overhead costs or GST.