

Enterprise Unit ha **PUMPKIN - JARRADALE** Furrow Irrigation **2001**
**GROSS MARGIN BUDGET:**
**1 ha**

Standard Budget	Your Budget
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**INCOME:**

25 t/ha @ \$250.00 /t

\$6,250.00	
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**A. Total Income/ha**

<b>\$6,250.00</b>	
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**VARIABLE COSTS:**
**Seed**

Jarradale	2.5 kg/ha	\$84.00 /kg	\$210.00
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**Tractor costs**
**Large equipment including labour, fuel, oil, etc**

2 Cultivate	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
1 Bedform	0.5 hr/ha	\$30.50 /hr	\$15.25
4 Boomspray	0.2 hr/ha	\$30.50 /hr	\$24.40
1 Sowing	0.5 hr/ha	\$30.50 /hr	\$15.25

**Irrigation**

Water	8 ML/ha	\$17.36 /ML	\$138.88
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**Fertiliser**

Single Super	200 kg/ha	\$0.24 /kg	\$48.00
Starter Fertiliser	200 kg/ha	\$0.45 /kg	\$89.40
Urea	200 kg/ha	\$0.38 /kg	\$75.00

**Pest control**

3 Fungicide	3 kg/ha	\$3.00 /kg	\$27.00
1 Insecticide	5 L/ha	\$14.90 /L	\$74.50
1 Insecticide	2 L/ha	\$14.60 /L	\$29.20

**Weed Control**

1 Tractor with 3 weeders	1 hr/ha	\$30.50 /hr	\$30.50
3 Casual labour	1 hr/ha	\$14.50 /hr	\$43.50

**Pollination**

Bee hives	3 hives/ha	\$20.00 /hive	\$60.00
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**Harvesting**

Contract pick/sort & load	60 bins/ha	\$12.00 /Octabin	\$720.00
Octabins	60 Octabins/ha	\$17.30 /Octabin	\$1,038.00

**Freight**

Markets	60 Octabins/ha	\$20.00 /Octabin	\$1,200.00
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**Levy**

0.50%	\$31.25
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**Agents commission**

12.00%	\$750.00
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**B. Total Variable Costs**

<b>\$4,693.33</b>
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Break-even price	\$187.73 /t
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**Gross Margin /ha (A-B)**

<b>\$1,556.67</b>
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Break-even yield	18.77 t/ha
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**Gross Margin /ML**

<b>\$194.58</b>
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**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

**PUMPKIN - JARRADALE**  
 Furrow Irrigation

**2001**
**SENSITIVITY ANALYSIS**
**TABLE 1- Effect of Yield and Price on Gross Margin /ha**

YIELD (t)	DELIVERED PRICE (\$/t)					
	150.00	200.00	<b>250.00</b>	300.00	350.00	400.00
15	-\$1,943	-\$1,287	-\$631	\$25	\$682	\$1,338
20	-\$1,287	-\$412	\$463	\$1,338	\$2,213	\$3,088
<b>25</b>	-\$631	\$463	<b>\$1,557</b>	\$2,650	\$3,744	\$4,838
30	\$25	\$1,338	\$2,650	\$3,963	\$5,275	\$6,588
35	\$682	\$2,213	\$3,744	\$5,275	\$6,807	\$8,338

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

YIELD (t)	DELIVERED PRICE (\$/t)					
	150.00	200.00	<b>250.00</b>	300.00	350.00	400.00
15	-\$243	-\$161	-\$79	\$3	\$85	\$167
20	-\$161	-\$52	\$58	\$167	\$277	\$386
<b>25</b>	-\$79	\$58	<b>\$195</b>	\$331	\$468	\$605
30	\$3	\$167	\$331	\$495	\$659	\$823
35	\$85	\$277	\$468	\$659	\$851	\$1,042

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

**NOTES:**

- Area** - North coast, central coast, Sydney basin, MIA, Northwest, central west and Sunraysia are the main growing areas.
- Production** - Plants are spaced 1.0 to 1.8 m apart and rows 1.5 to 3.6 m apart. Pumpkins are tolerant of a wide range of soil types, well drained soils are preferred. Labour requirements to grow pumpkins are quite low compared to other vegetables. Short term storage is practised in the region. Storage conditions must be dry, well ventilated and free of vermin
- Pests** - Pumpkin beetles are the main insect pests with powdery mildew as the most common disease.
- Harvesting** - Maturity time varies from 14 to 20 weeks. The fruit is ripe when stalks become cracked and corkey. Secateurs should be used to remove butternuts from the vine.
- Yields** - Yields vary from 25 to 40 tonnes per hectare with bees essential for pollination and high yields.
- Packaging** - Jarradales are usually marketed in cardboard octabins. Presentation is becoming more important, and this is reflected in the price received.
- Economic note** - **This budget is ONLY A GUIDE** 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.