

### Wheat – summary of indicators for base budget

<b>Crop</b>	<b>Wheat</b>
<b>PFR mapping type<sup>1</sup></b>	<b>Categorical</b>
<b>Location</b>	<b>Canterbury</b>
<b>Analysis type</b>	<b>Gross margin</b>
<b>Average Well Suited Yield (t/ha)</b>	8.7
<b>Revenue (\$/ha)</b>	\$4,000
<b>Variable expenses (\$/ha)</b>	\$1,000
<b>Fixed Expenses )\$/ha)</b>	\$2,000
<b>Operating profit (\$/ha)</b>	\$1,400
<b>Capital employed in the land use (\$/ha)</b>	\$0
<b>On farm labour (FTE/10ha)</b>	0.1
<b>Total GDP (\$/ha)</b>	\$3,500
<b>Total Household Income (HHI)</b>	\$1,100
<b>Total employment (FTE/10ha)</b>	0.1
<b>Time to commercial yield (years)</b>	0
<b>Specific skills required</b>	Arable management skills
<b>Critical infrastructure requirements</b>	Harvester, tractor, storage or contractor
<b>Market (Export/Domestic)</b>	Domestic
<b>Volatility of returns</b>	Moderate
<b>Marketing structures</b>	Developed
<b>Reliability of data</b>	Moderate – consultant data for grower costs, industry data for yield
<b>Entrepreneurship required</b>	Low
<b>Source</b>	Agribusiness Group

#### Notes:

- Data from Agribusiness Group (2022). Yield national average for 2019 – 2022 from the AIMI reports 2020 - 2022<sup>2</sup>. Expenses updated to 2023 using Arable sector Producer Price Index adjustment (StatsNZ).
- Total GDP, HHI and employment reported for the Canterbury region.
- Expenses reported here for the Canterbury region.

<sup>1</sup> Refers to the Plant and Food estimates of suitability and yield. Fruit crops generally vary continuously from 0 – 1 suitability, while the arable and vegetable crops are categorical in 4 classes.

<sup>2</sup> AIMI 2022. New Zealand Survey Of Cereal Areas And Volumes: Oct 10, 2022. Arable Industry Marketing Initiative, FAR and Saville Stat publication. [Arable Industry Marketing Initiative \(AIMI\) \(far.org.nz\)](https://www.far.org.nz) accessed October 2022.

## **Wheat – details of base budget (2022)**

<b>Item</b>	<b>Maize</b>
<b><u>Income</u></b>	
Production (t/ha)	8.70
Price	\$460
<b>Revenue</b>	<b>\$4,002</b>
<b><u>Expenditure</u></b>	
Seed	\$132
Fertiliser	\$636
Weed Control	\$214
Disease Control	\$184
Pest Control	\$0
Contracting	\$745
Labour	\$80
irrigation costs.	\$440
<b>Total Expenditure</b>	<b>\$2,431</b>
<b>Gross Margin</b>	<b>\$1,571</b>