

### Maize – summary of indicators for base budget

<b>Crop</b>	<b>Maize (grain)</b>
<b>PFR mapping type<sup>1</sup></b>	<b>Categorical</b>
<b>Location</b>	<b>North Island</b>
<b>Analysis type</b>	<b>Gross margin</b>
<b>Average Well Suited Yield (t/ha)</b>	11.6
<b>Revenue (\$/ha)</b>	\$5,000
<b>Variable expenses (\$/ha)</b>	\$1,000
<b>Fixed Expenses )\$/ha)</b>	\$1,000
<b>Operating profit (\$/ha)</b>	\$3,100
<b>Capital employed in the land use (\$/ha)</b>	\$0
<b>On farm labour (FTE/10ha)</b>	0.1
<b>Total GDP (\$/ha)</b>	\$5,000
<b>Total Household Income (HHI)</b>	\$1,000
<b>Total employment (FTE/10ha)</b>	0.1
<b>Time to commercial yield (years)</b>	0
<b>Specific skills required</b>	Arable management
<b>Critical infrastructure requirements</b>	Harvester, tractor, storage or contractor
<b>Market (Export/Domestic)</b>	Domestic
<b>Volatility of returns</b>	Low
<b>Marketing structures</b>	Well developed
<b>Reliability of data</b>	Moderate – industry yield data good, but grower costs vary considerably
<b>Entrepreneurship required</b>	Low
<b>Source</b>	Agribusiness Group

#### Notes:

- Data from Agribusiness Group (2022) with expenses updated to 2023 using Arable sector Producer Price Index adjustment (StatsNZ).
- Yield uses the average from 2019-2022 from AIMI Maize report<sup>2</sup>.
- Total GDP, HHI and employment reported for the Waikato region.
- Expenses reported here for the Waikato 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 crops are categorical in 4 classes.

<sup>2</sup> AIMI 2022. New Zealand Survey Of Maize Areas And Volumes: Oct 31, 2021. Arable Industry Marketing Initiative, FAR and Saville Stat publication. [Arable Industry Marketing Initiative \(AIMI\) \(far.org.nz\)](http://far.org.nz) accessed November 2022

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

<b>Item</b>	<b>Maize</b>
<b><u>Income</u></b>	
Production (t/ha)	11.55
Price	\$415
<b>Revenue</b>	<b>\$4,793</b>
<b><u>Expenditure</u></b>	
Seed	\$350
Fertiliser	\$568
Weed Control	\$112
Disease Control	\$35
Pest Control	\$13
Contracting	\$493
Labour	\$0
irrigation costs.	\$0
<b>Total Expenditure</b>	<b>\$1,570</b>
<b>Gross Margin</b>	<b>\$3,223</b>