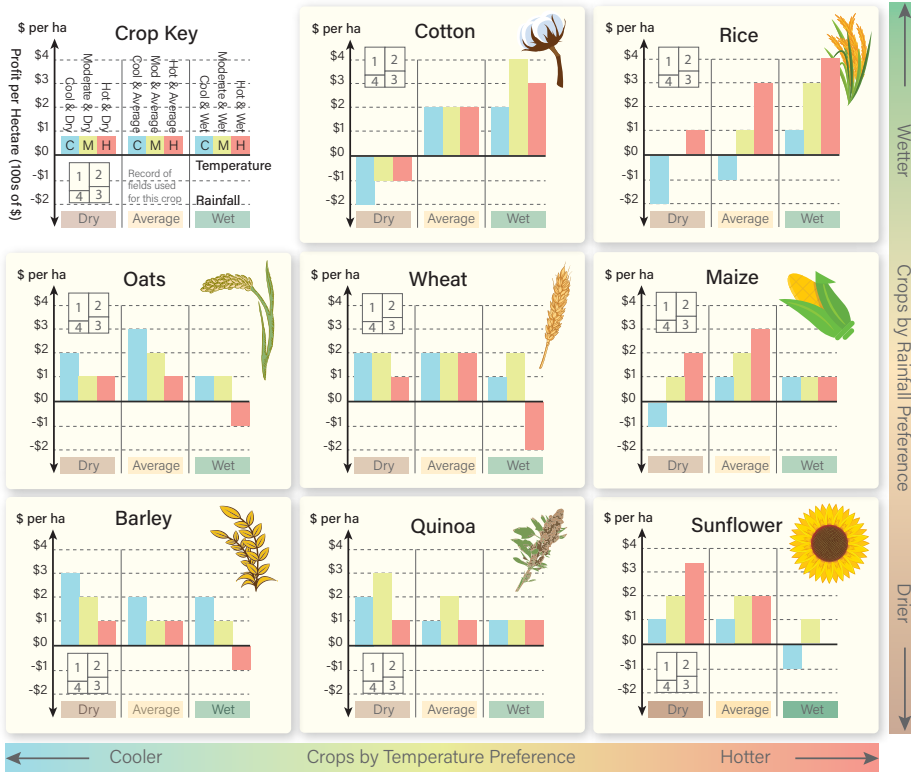


# Profit Farm Prophet

Old Tom Thomas has a farm by Pillagalala Creek, between Book Book and Wagga Wagga, just off Tumarumba Rd in the Riverina area of NSW. The locals like to continue the aboriginal tradition of repeating things that are plentiful.

Tom has 1000 hectares (ha) set aside for cropping but his memory is fading and he needs your help deciding what to plant.

The graphs below show how each crop's profitability varies for a dry and cool year, through to a wet and hot year, so keep an eye on the long range weather forecast. Barley, the top cool/dry performer, is in the bottom left corner. Rice, the top hot/wet performer, is in the top right corner.



### Example Dry & Hot

Rainfall die: 1 2 3 4 5 6 (4 circled)

Temperature die: 1 2 3 4 5 6 (4 circled)

Field ha	Crop	Profit per ha	Profit per field
350	Maize	2	700
300	Cotton	-1	-300
200	Rice	1	200
150	Sunflower	3	450

Farm Total for Example: \$ 1050

### Year 1

Rainfall: 1 2 3 4 5 6

Temperature: 1 2 3 4 5 6

Field ha	Crop	Profit per ha	Profit per field
350			
300			
200			
150			

Farm Total for Year 1: \$

### Year 2

Rainfall: 1 2 3 4 5 6

Temperature: 1 2 3 4 5 6

Field ha	Crop	Profit per ha	Profit per field
350			
300			
200			
150			

Farm Total for Year 2: \$

### Year 3

Rainfall: 1 2 3 4 5 6

Temperature: 1 2 3 4 5 6

Field ha	Crop	Profit per ha	Profit per field
350			
300			
200			
150			

Farm Total for Year 3: \$

### Year 4

Rainfall: 1 2 3 4 5 6

Temperature: 1 2 3 4 5 6

Field ha	Crop	Profit per ha	Profit per field
350			
300			
200			
150			

Farm Total for Year 4: \$

### Year 5

Rainfall: 1 2 3 4 5 6

Temperature: 1 2 3 4 5 6

Field ha	Crop	Profit per ha	Profit per field
350			
300			
200			
150			

Farm Total for Year 5: \$

What old Tom Thomas thinks of your performance: less than \$5000: Your skills could be better used elsewhere. \$5000 - \$5999: I'd be happy to recommend you to our competition for next year if that helps. \$6000 - \$6999: Well done, I sure hope you'll be back next year. \$7000 or more: Hallelujah! You deserve a bonus bonus.

Total for All Five Years: \$

## Instructions - Read carefully before starting

1. Choose a crop to plant in each field for the upcoming season. Write your crops in the table.
2. The teacher will roll a die for the rainfall and then the temperature. Circle the results on the rainfall and temperature bars to reveal which of the 9 weather combinations prevails.
3. Look up the profit or loss for each crop you planted based on those weather conditions.
4. For each field, multiply the profit or loss per hectare by the number of hectares.

Repeat for all five years, one year at a time. Be sure to note the weather forecast. You can plant the same crop in different fields in one year but only once in each field over the five years. Use the mini farm maps on the graphs to help keep track of the fields that each crop has been planted in.

