



RAINWATER TANK SIZE SELECTION TABLE

Percentage of time rainwater tank will meet full domestic daily demand at LAMEROO (Average Annual Rainfall – 318 mm)

HOW TO USE THIS TABLE

- STEP 1** Identify proposed **roof area**.
- STEP 2** Identify **Rainwater Use Option**.
- STEP 3** Identify **tank capacity**.
- STEP 4** Identify the category (colour code) the roof area, rainwater use option and tank capacity combination fall within.
- STEP 5** Refer to **Legend**.
- STEP 6** (if required) Select larger roof area (if possible), alternative rainwater use option and/or larger tank capacity and repeat STEPS 1 to 5.

NOTES

- For all options within the orange (16 - 50%) and yellow (51 - 75%) range, it is recommended that the following variations to your proposal be considered to maximise the value of your rainwater tank selection:-
 - increase the roof area to be connected to the rainwater tank, if possible;
 - select a larger tank; and/or
 - change to water use efficient devices within the home, eg front loading washing machine (can save up to 20% of average daily water demand per household).
- This "Rainwater Tank Size Selection Table" should be read in conjunction with the Board's "Rainwater Tank Use Information Sheet".
- This "Rainwater Tank Size Selection Table" **DOES NOT ALLOW FOR WATER STORAGE FOR FIRE FIGHTING REQUIREMENTS**.
- The internal water use estimates are based upon a 3 person household.
- For advice beyond the scope of this table (eg tanks smaller than 13,500L or larger than 45,000L) please contact the SA Murray-Darling Basin NRM Board on Ph: 8532 1432.

| Rainwater Use Option | | High internal use | | | Medium internal use 1 | | | Medium internal use 2 | | | Low grade uses | | | |
|--|------------|--|--------|--------|---|--------|--------|---|--------|--------|---|--------|--------|--------|
| Description | | 11L single flush toilet, 100% laundry (front load WM) & HWS | | | (6/3L) Dual flush toilet, AAA-rated shower head, 100% laundry (top load WM) & HWS | | | (6/3L) Dual flush toilet, AAA-rated shower head, 100% laundry (front load WM) & HWS | | | (6/3L) Dual flush toilet and 100% laundry (front load WM) <u>only</u> | | | |
| Tank capacity (L) | | 13,500 | 22,000 | 45,000 | 13,500 | 22,000 | 45,000 | 13,500 | 22,000 | 45,000 | 1,000 | 13,500 | 22,000 | 45,000 |
| Roof area to be connected to rainwater tank (m²) | 50 | 4% | 4% | 4% | 8% | 8% | 8% | 12% | 12% | 12% | 30% | 34% | 34% | 34% |
| | 100 | 14% | 14% | 14% | 24% | 24% | 24% | 33% | 33% | 33% | 50% | 76% | 76% | 76% |
| | 150 | 25% | 25% | 25% | 40% | 40% | 40% | 53% | 53% | 53% | 58% | 96% | 97% | 97% |
| | 200 | 35% | 36% | 36% | 56% | 56% | 56% | 72% | 74% | 74% | 63% | 98% | 98% | 98% |

LEGEND

| Category | Effectiveness of chosen roof area and tank capacity to meet full domestic daily demand | Recommendation |
|----------|--|--|
| Red | Rainwater tank will meet full daily demand 0 – 15 % of the time. | Not recommended |
| Orange | Rainwater tank will meet full daily demand 16 – 50% of the time. | Satisfactory, but alternative recommended for the intended use (refer to Note 1). |
| Yellow | Rainwater tank will meet full daily demand 51 – 75% of the time. | Satisfactory, but alternative recommended for the intended use (refer to Note 1). |
| Cyan | Rainwater tank will meet full daily demand 76 – 90% of the time. | Recommended – Roof area and tank capacity selected are suitable for the intended use. |
| Green | Rainwater tank will meet full daily demand 91 - 100% of the time. | Highly recommended – Roof area and tank capacity selected are suitable for the intended use. |

Acronyms

| | |
|-----|-------------------|
| HWS | Hot water service |
| WM | Washing machine |
| WC | Toilet |