

Conversion Factors for Reusables

Diversion is simply the amount of waste from your event that you have ensured hasn't made it to landfill. If using reusables, you can still quantify how much waste you have diverted by using our weight averages. Our average weights were sourced from on and off the approved packaging list due to their availability. Where three or more size options are available, we have chosen the medium size, where two or less options are available, we have chosen the smallest.

Calculation for diversion of waste to landfill (reusables only)

(number of reusables) x (weight of one single use item) = waste diverted

For example:

200 (number of reusable plates) x 9 (weight of one single use item) = 1.8kg of waste diverted from landfill

Conversion factors for single use items:

- Plate: 9 grams
- Bowl: 20.9 grams
- Hot Cup: 180 grams
- Hot Cup Lid: 3.44 grams
- Cold Cup: 4.85 grams
- Fork: 2.8 grams
- Knife: 2.6 grams
- Spoon: 2.9 grams

Source information:

BioPak: Plate – 18cm Round Plant Fibre Plate (medium)

- Weight: 9.000000kgs (carton) divided by 1000 (Quantity in carton) = **9g**
- Reference: <https://www.biopak.com/nz/7-round-sugarcane-plate>

Huhtamaki: Bowl – 12oz Bowl (smaller of the two options)

- Weight: 20.904kgs (carton) divided by 1000 (Quantity in carton) = **20.9g**
- Reference: <https://www.huhtamaki.com/en-us/north-america/foodservice/product-catalog/tableware/bowls/12-oz2.-bowl/>

BioCup: Hot Cup – 8oz Stone Single Wall BioCup Medium sized (not on approved packaging list)

- Weight: 9.000000kgs (carton) divided by 50 (Quantity in carton) = **180g**
- Reference: <https://www.biopak.com/nz/280ml-8oz-80mm-stone-aqueous-single-wall-biocup>

BioCup: Hot Cup Lid – 80mm Small Clear PLA BioCup Lid (not on approved packaging list)

- Weight: 3.440000kgs (carton) divided by 50 (Quantity in carton) = **3.44g**
- Reference: <https://www.biopak.com/nz/bcl-8pla-c>

BioCup: Cold Cup – 200mm Clear BioCup (not on approved packaging list)

- Weight: 9.700000kgs (carton) divided by 2000 (Quantity in carton) = **4.85g**
- Reference: [Clear Cups – 200ml Clear Bioplastic BioCup | BioPak New Zealand](#)

BioPak: Fork – 16cm Wood Fork (not on approved packaging list)

- Weight: 2.800000kgs (carton) divided by 1000 (Quantity in carton) = **2.8g**
- Reference: [Wood Cutlery – 16cm Wood Fork | BioPak New Zealand](#)

BioPak: Knife – 16cm Wood Knife (not on approved packaging list)

Weight: 2.600000kgs (carton) divided by 1000 (Quantity in carton) = **2.6g**

Reference: <https://www.biopak.com/nz/16cm-wood-knife>

BioPak: spoon – 16cm Wood Spoon (not on approved packaging list)

Weight: 2.900000kgs (carton) divided by 1000 (Quantity in carton) = **2.9g**