



alliedhygiene



QRD cost in use comparison



Allied Hygiene Systems LTD

Tel: 020 8310 4000

Email: admin@alliedhygiene.com

Web: www.alliedhygiene.com



Hygiene

Aperture 11L bucket 253 diameter
Aperture 3L bucket 184 diameter
QRD nozzle aperture 50mm diameter

Comparison:

The QRD aperture has a smaller opening, thereby minimising the risk of physical contaminants by the following amounts:

5 times risk reduction from a 11L Bucket
3.68 times risk reduction from a 3L Bucket



QRD improving hygiene:

With QRD this risk is in fact further reduced, as the QRD aperture is vertical not horizontal, this further reduces the risk of physical contamination of the impregnated log.



QRD reducing waste disposal costs by volume:

For every 11L bucket thrown away, you can dispose of 168 11L QRD packs for the same cost.

In monetary cost, for every £1 spent to dispose of one 11L bucket, the same disposal cost for a 11L QRD is £0.0059
QRD reducing cost for waste disposal and more friendly towards the environment

QRD reducing waste disposal costs by weight:

For every 3L bucket, you can dispose 3x 3L QRD for the same cost

For every 11L bucket, you can dispose of 3.85 x 11L QRD for the same cost



Waste Disposal Cost Savings

1: Waste disposal weight

Packaging weight cost saving;

3L QRD 45g
11L QRD 96g
3L Bucket 134g
11L Bucket 366g

2: Waste disposal volume

Disposal skip volume 4.8m³ (H 1.22m x L 2.6m x W 1.52m)

11L bucket fits 225 buckets
10 QRD pack fits 37,660 units

The skip can hold 167 times more QRD bags than buckets



Warehousing, Storage and Distribution Cost Savings

3L QRD pack x 4 units per carton x 70 per pallet = 280 QRD packs with 300 wipes = 84,000 wipes per pallet

11L QRD pack x 3 units per carton x 40 per pallet = 120 QRD packs with 1000 wipes = 120,000 wipes per pallet

11L bucket x 80 per pallet with 500 wipes = 40,000 wipes

Cost saving comparison:

3L QRD = 210% more per pallet

11L QRD = 300% more per pallet



QRD reducing cost for warehousing, storage and logistics.

for every one pallet 3L QRD in your warehouse or shipped, you need to store or ship 2.1 pallets in 11L bucket format - More than twice as much

For every one pallet 11L QRD in your warehouse or shipped, you need to store or ship 3 pallets in 11L bucket format - three times as much

QRD saves resources and respects the environment



The outer carton for QRD (containing 4 x 3L QRD or 3x 11L QRD) can be recycled

QRD packaging contains up to 75% less polymer than it's bucket equivalent and therefore has a smaller carbon footprint and is kinder to the environment.

Polymer saving

For 3L QRD 3 times less material (weight) than 3L bucket - 67% less material

For 11L QRD 3.85 times less material (weight) than 11L bucket - 75% less material

CO2 saving

For 11L QRD 2kgs CO2 per pack compared to it's equivalent bucket

