



# YIMBY Wire Cylinder Compost Bays (aka Beckley Bays)



Circum: 3600mm

Height: 900mm

Diameter: 1150mm

Volume: approx 1m<sup>3</sup>

## Materials needed:

- Welded Wire Mesh 12.5cm x 12.5cm or 2.5cm x 2.5cm 900mm width x 3600m length
- Shade cloth/hessian/weedmat 1800mm width x 3600mm length (recommended to double the shade cloth over the wire mesh, but can use one 900mm layer)
- 6 x Flat timber or plywood battens approx 50mmW x 10mmD x 900mmL
- 2 x heavy duty metal pegs (6mm diameter, if pegs too thin they will bend and be hard to remove)
- 9 x phillips head screws (eg. 7G x 20mm but depends on thickness of the wood panels used, 2 x batten material)

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## Optional:

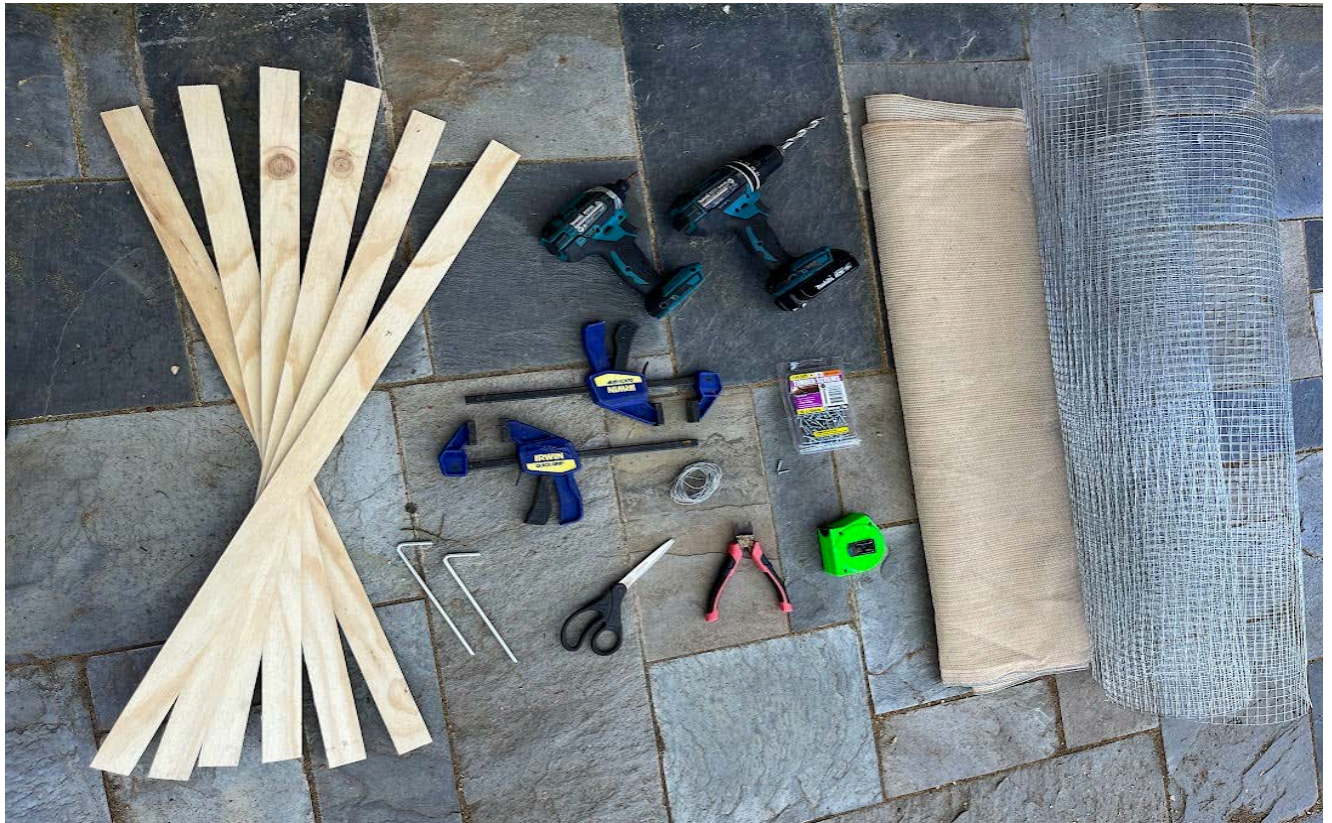
- 1 x wooden pallet -1165mm x 1165mm
- Mesh to cover pallet

### Tools needed:

- Drill with phillips head driver bit
- Drill with 9.5mm HSS drill bit
- Wire cutters or tin snips
- 2 x clamps
- Measuring tape

### Optional:

- scissors and wire if doing single layer of shade cloth



### Instructions:

- Roll out wire mesh and cut to length, 3600mm
- Roll out shade cloth and cut to length, 3600mm
- Place wire mesh in between folded shade cloth
- At each end position two flat wood battens so they sandwich the wire mesh and shade cloth between them and use three screws to secure in place.
- With the two remaining flat wood battens, measure 500mm in from one end and repeat step above.

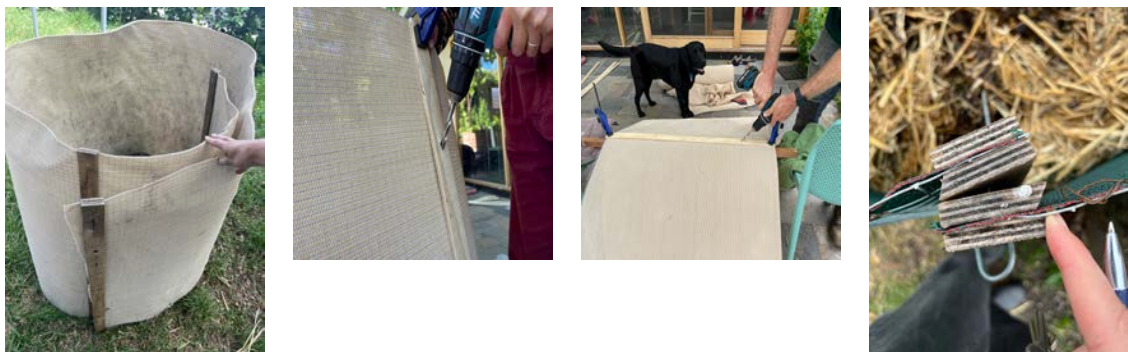


- Use the two clamps to close the cylinder and hold it securely in place in order to drill two 9.5 mm, 45 degree diagonal holes through both end panels, each hole approximately one third in from the ends of the wood panels.

**IMPORTANT:** Make sure the end panels placed internally to create the cylinder is the one with the second panels secured 500mm along from these edge panels, see first photo below

**IMPORTANT:** Top of the bay is the edge with the shade cloth folded over, make sure to drill holes at a 45 degree angle away from this top end, if not drilled on an angle they will not stay in place. (This step will be easier if you also secure panels using the clamps to a supportive wood panel and raise off the ground. This will also prevent splintering of wood panels. Like in the third photo below

- Once diagonal holes are drilled test that pegs go in easily
- Finally, shift the internal end panel inside the circumference of the cylinder until the second group of wood panels placed 500mm along align with external edge panels, use the holes already in the external end panels to guide the drilling of the holes in the second internal panels.



## Advantages of this bay style:

- Easy access when building and turning compost piles



- Two size settings: Larger circumference for building active bay, smaller circumference for maturing compost pile



- Lightweight and easy to transport



- Cost: Approx \$85 per bay, much cheaper if using second-hand materials

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**Any questions, please call Mikaela Beckley 0435506182**