Do-It-Yourself Household OSCR Junior:
With three, 16"x24", 10 gallon Rubbermaid®, Keepers™, Rough Totes and Oregon Soil Corporation technology, you can make a flow through worm bin in an afternoon.

With one pound of red worms you can convert 1/2 pound of food waste to a valuable soil amendment.

Alternating layers of high carbon bedding material and food waste are stabilized as red worm castings.

Base provides ventilation and means to capture nutrient tea leachate.

When first reactor bin is near full, place second reactor bin on top and continue with alternating layers of bedding and food waste.

Red worms will travel up through holes into upper reactor chamber as food waste is converted to nutrient rich castings.

When top reactor bin is near full, remove lower reactor bin, harvest castings, place decomposing waste and remaining red worms in other bin, place empty bin on top and continue with alternating layers of bedding and food waste.

1/4 inch holes
1 1/2 inch centers across horizontal rows
1/2 inch vertical offset between rows
3/4 inch offset alternating between rows

1/4 inch ventilation holes
1 1/2 inch centers across horizontal rows
1/2 inch vertical offset between rows
3/4 inch offset alternating between rows

Cool air enters through ventilation holes in base, flows up through compost and is expelled with excess heat and moisture through vented cover.
Use these raw materials...

8 foot 1 x 2 inch lath

Fine mesh screen

Two Rough Tote™ covers

...to make these parts...

... into a vented worm bin cover.

Cover Assembly Parts
1. One 8 foot 1 x 2 lath
2. 14 each 1 1/4 inch wood screws
3. 6 x 12 inch fine mesh screen
4. Two covers from Rubbermaid® Rough Tote™ storage containers

1 1/4" flathead wood screw

1" x 2" lath frame work
(predrilled holes for screws)

Rough Tote lid with vent hole

Fine mesh screen

1" x 2" lath frame work

Fully Assembled Cover view from narrow end.

1 1/4" flathead wood screw

1" x 2" lath frame work
(predrilled holes for screws)

Rough Tote lid without vent hole

1" x 2" lath spacer
(predrilled holes offset to center)

Vented lid assembly

Fully Assembled Cover view from long side.

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