

Materials

Qty:	Material:	Used for:
7	12-foot cedar 2×4	dividers and base, top & lid rails
6	8-foot cedar 1×6	front slats
1	6-foot 1×4 lumber	front runners
1	6-foot 1×6 lumber	center runners
3	6-foot 1×2 lumber	back runners
1	10-foot 2×2 lumber	lid
2	6-foot 2×2 lumber	lid
25 ft. roll	36" wide ½" hardware cloth	dividers and back of bin
250	Poultry net staples or 1" galvanized staples	attaching hardware cloth to dividers and bin
12	½" carriage bolts 4" long	attaching base and top boards to dividers
12	Washers for bolts	attaching base and top boards to dividers
12	Nuts for bolts	attaching base and top boards to dividers
3 lbs.	16d galvanized nails (3½")	divider and bin construction
½ lb.	8d galvanized casing or finish nails (2½")	lid construction
20 ft.	Clear corrugated fiberglass panels	lid cover
18 ft.	Horizontal closure strips (or wiggle molding)	lid cover
40	Gasketed aluminum nails	attaching corrugated fiberglass roofing
3	3" zinc plated hinges	lid
4	Flat 4 corner braces with screws	lid
4	Flat 3" T-braces with screws	lid

Tips:

Have lumber cut at the hardware store for fast assembly.

Always use eye protection when working with tools.

Tools

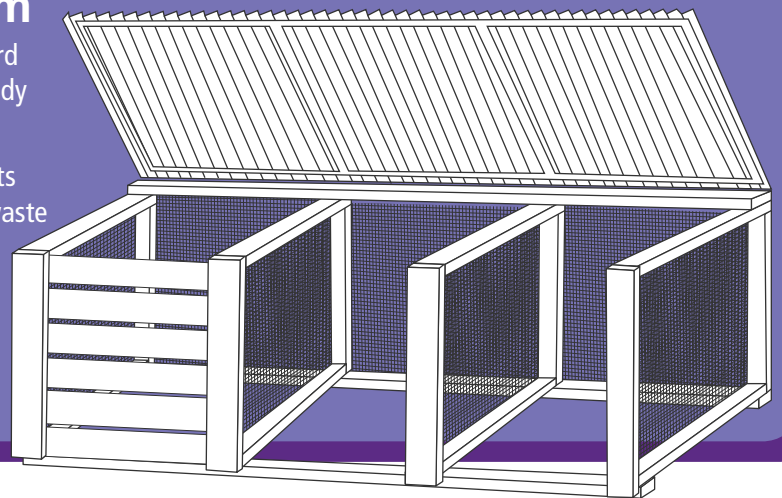
Hand saw or circular power saw	Tape measure
Drill with ½" and ⅝" bits	Pencil
Screwdriver	¾" socket or open-ended wrench
Hammer or power nailer	Carpenter's square
Tin snips	Staple gun

DIY Three-Bin Compost System

This bin system is designed to compost large amounts of yard waste in the shortest period of time. Compost should be ready to use in three to six months.

Compost food and yard waste separately. Pests like ants, rats and raccoons are attracted to food scraps in outdoor yard waste compost bins.

The cost of materials can be expensive, but the bin should last at least 15 years. Visit our website for class schedules and composting tips and resources.



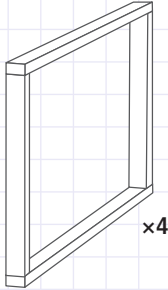
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Instructions:

Cut 2x4s—Measure and cut four 9 foot lengths. Measure and cut eight 32" and eight 36" pieces from remaining 2x4s.

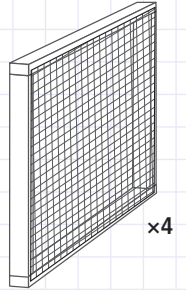
Build Dividers

1. Butt end nail two 32" and two 36" pieces into a 35" x 36" section. Check to make sure each divider section is square.
2. Repeat for other three dividers.



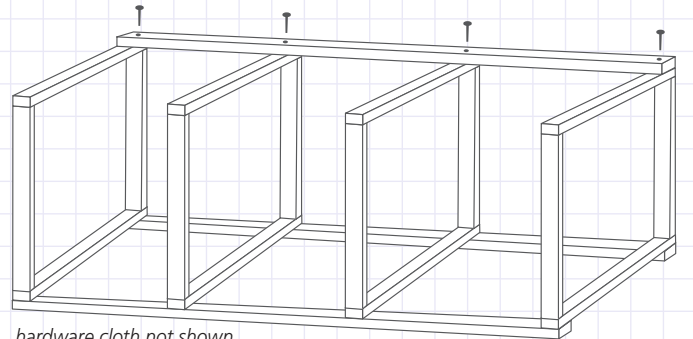
Attach Hardware Cloth to Dividers

1. Use tin snips to cut four 36" long sections of hardware cloth.
2. Fold back edges 1/2" and stretch hardware cloth across each frame, check for squareness of the frame and staple tightly into place every 4" around edge.

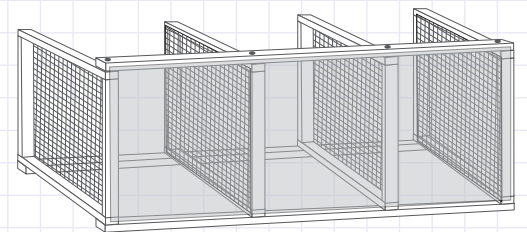


Set Up Dividers and Build Bin

1. Set up dividers three feet apart and parallel to one another. Measure and mark the center of each of the two inside dividers.
2. Place two 9-foot base boards on top of dividers and measure the positions for each of the two inside dividers. Mark a centerline for each divider on the 9-foot 2x4.
3. With each divider, line up the centerlines and make the base board flush against the outer edge of the divider. Drill a 1/2" hole through each junction centered 1" in from the inside edge. Secure base boards with carriage bolts, but do not tighten yet.
4. Turn the unit right side up and repeat for the top 9-foot board (at back of bin).
5. Use the carpenter's square to make sure the bin is square, and tighten all bolts securely.
6. Cut a 9-foot piece of hardware cloth and fasten securely to the back of the bin with staples every 4" around the frame.



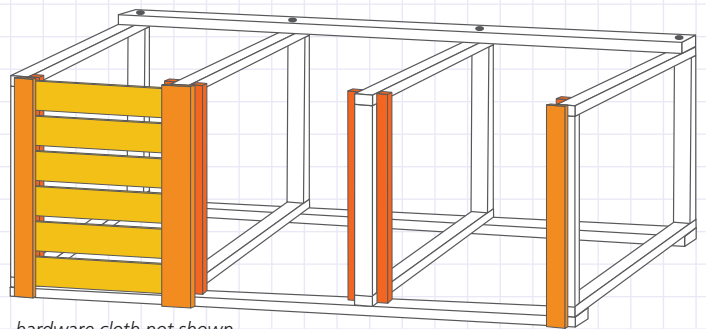
hardware cloth not shown



Attach hardware cloth across the back of the bin

Attach Runners and Front Slats

1. Cut the 6-foot 1x4 in half (for outside front slat runners). Nail them securely to the front of the outside dividers and base board, making them flush on top and set in 1/4" from the outside edges.
2. Cut the 6-foot 1x6 in half (for inside front slat runners). Center the boards on the front of the inside dividers and flush with the top edge, and nail securely.
3. For the back runners, cut the 1x2s into six 34" long pieces. Nail back runners parallel to front-runners on sides of each divider leaving a 1" gap for the slats.
4. Cut the 8-foot 1x6" cedar boards into 31 1/4" long slats (18 total). Drop the slats into the spaces between the front and back runners (6 slats per bin).



hardware cloth not shown

Build and Attach Fiberglass Lid

1. Use the last 9-foot 2x4 for the back of the lid. Cut four 32 1/2" 2x2s and one 9-foot 2x2. Lay out as shown and make sure they are square.
2. Screw in corner braces and T-braces on bottom side of the frame. Center lid frame on bin, brace side down, and attach with hinges.
3. Cut horizontal closure strips to fit the front and back 9-foot sections of the lid frame. Pre-drill strips with 1/8" drill bit and nail with 8d casing or finish nails.
4. Cut fiberglass to fit flush with front and back edges. Overlap pieces by at least one channel width.
5. Use roofing nails at the top of every third channel to attach panels to lid frame (predrill fiberglass and lid for each nail hole.)

