GA-030 Removable-liner harvest hod

Carry freshly harvested produce in a rigid frame with a separately washable removable basket.

Controlling dimensions: US inches and feet. Metric equivalents are references. Original editorial design; no physical build, animal trial or load certification is claimed.

Before marking and cutting

Measure the stated stock sections before cutting. Use the cut-list geometry, not scale measurements from the drawing.

US inch dimensions control; millimeter values are rounded conversions. Ordinary cut target ±1/16 in (1.6 mm); fit commercial accessories before boring attachment holes.

Use limits

Original bounded garden component, not an occupied structure.

No human standing, sitting, climbing, lifting or fall protection use. No stated safe working load.

Geometry and fastener quantities are editorially checked; no prototype build, wind test or crop trial is claimed.

Materials and finished cuts

Part	Qty	Size to cut	Material and detail
P01 Long rails	2	24 × 2 1/2 × 3/4 in 609.6 × 63.5 × 19.05 mm	1 × 3 in board sound untreated cedar or other durable untreated wood
P02 End rails	2	14 1/2 × 2 1/2 × 3/4 in 368.3 × 63.5 × 19.05 mm	1 × 3 in board sound untreated cedar or other durable untreated wood
P03 Lower slats	4	16 × 1 1/2 × 3/4 in 406.4 × 38.1 × 19.05 mm	1 × 2 in board sound untreated cedar or other durable untreated wood; no unknown salvage

Hardware and consumables

8 #8 × 1-1/2 in screws for frame corners

16 #8 × 1-1/4 in screws for lower slats

1 purchased washable produce-contact basket, max base 22-1/2 × 14-1/2 in

2 commercial handles with manufacturer-compatible fixings; rim grip is permitted instead

Tools

Tape measure and steel rule; Pencil, square and clamps; Saw suited to the stated stock; eye and hearing protection; Drill/driver, countersink and bits matched to fasteners; Sandpaper and edge file; gloves when handling cut mesh

Primary context and design record

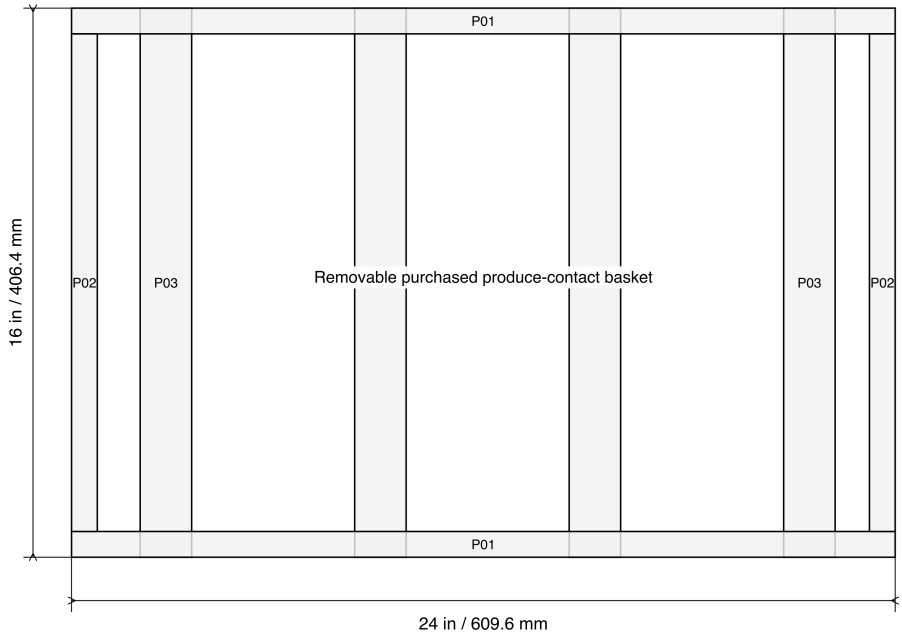
Context references; not design endorsements or certifications.

E06 · Postharvest handling of fruit and vegetable crops in Minnesota · University of Minnesota Extension · https://extension.umn.edu/agriculture/specialty-crops/commercial-fruit-production/postharvest-handling-of-fruit-and-vegetable-crops-in-minnesota

Assembly and first checks

GA-030 Removable-liner harvest hod

PLAN — looking down; rear at top; controlling dimensions in inches



Part IDs refer to the finished cut list. Shapes are not load-rated. Read assembly before cutting.

Notches, holes, fittings and operating angles: see numbered steps and geometric annotations.

Original editorial draft • B/W vector • not physically built or tested • no implied Extension endorsement

01 Plan the removable-liner harvest hod for this result: Carry freshly harvested produce in a rigid frame with a separately washable removable basket. Confirm the design reference before cutting: Clear frame opening 22-1/2 × 14-1/2 in (571.5 × 368.3 mm). In the drawings x runs left to right, y runs front to rear and z runs upward.

02 Verify the required stock before laying out these parts: 1 × 2 in board: actual 0.75 × 1.5 in (19.05 × 38.1 mm); 1 × 3 in board: actual 0.75 × 2.5 in (19.05 × 63.5 mm). Reject split or twisted wood and unknown salvage; thinner stock requires recalculating the joints, not simply using the listed lengths.

03 Cut and label the finished parts: 2 Long rails 24 × 2.5 × 0.75 in (609.6 × 63.5 × 19.05 mm), mark P01; 2 End rails 14.5 × 2.5 × 0.75 in (368.3 × 63.5 × 19.05 mm), mark P02; 4 Lower slats 16 × 1.5 × 0.75 in (406.4 × 38.1 × 19.05 mm), mark P03. Keep saw kerf outside each finished line. Rip only where the finished width is narrower than the actual stock; use a suitable guide and target ±1/16 in (1.6 mm) for ordinary cuts. Dowel triples mean length × diameter × diameter, not square dowel stock.

04 Make the outside frame 24 × 16 in by placing 14-1/2 in end rails between the two long rails.

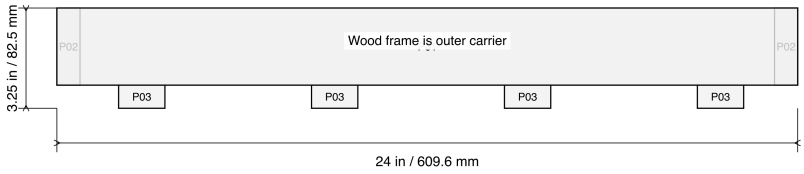
05 Clamp square and compare diagonals before installing two 1-1/2 in screws at each corner, at z = 5/8 and 1-7/8 in.

06 Invert the frame and mark slat left edges at x = 2, 8-1/4, 14-1/2 and 20-3/4 in. Slats span the full 16 in outside depth.

Complete the assembly

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FRONT — transparent assembly projection from y = 0; controlling dimensions in inches



Part IDs refer to the finished cut list. Shapes are not load-rated. Read assembly before cutting.
Notches, holes, fittings and operating angles: see numbered steps and geometric annotations.
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07 Fasten each slat at both long-rail crossings with two 1-1/4 in screws per crossing. Leave screw heads flush on the underside.

08 Round all rim edges that hands may grasp. Fit the purchased basket so its base is continuously supported at each slat crossing and its rim stays above the wood.

09 If handles are used, locate them centered on the end rails and use the product’s compatible backing plates and bolts; do not assume wood screws alone make a rated carrying handle.

10 Wash and dry the removable basket before harvest. Keep produce inside it; the wood frame is an outer carrier, not a washable food-contact surface.

11 Practice lifting the empty hod, then carry a modest harvest with both hands close to the body. Sort damaged produce separately and wash produce with potable water when appropriate to the crop/use.

12 Complete the acceptance checks below before putting the assembly into service. Record any changed stock thickness, fastener or equipment fit on the project sheet. The published geometry has not been physically built or load-tested.

Acceptance and intermediate checks

Clear frame opening 22-1/2 × 14-1/2 in (571.5 × 368.3 mm).

Basket does not fall through gaps or scrape exposed screws; frame square and hands clear.

Operation

No carrying-capacity rating; not for tools, stones or children.

Cleaning and maintenance

Remove/wash basket after each harvest; dry wood under cover.