

Hummingbird Feeder

YellaWood
Pressure Treated Pine

Attract hummingbirds to your yard and watch them hover in mid-air as they sip from this clever little feeder. Hang it near flowering plants and shrubs and watch them supplement that nectar with the sugary mixture in a feeder you made yourself.

Easily made, this feeder features a small plastic bottle feeder and two narrow slots that allow you to see when your mixture has run out or needs to be changed. The enclosed body of the feeder also protects the mixture from the sun's rays, which experts say will quickly spoil the feeding solution.

BUILD TIME

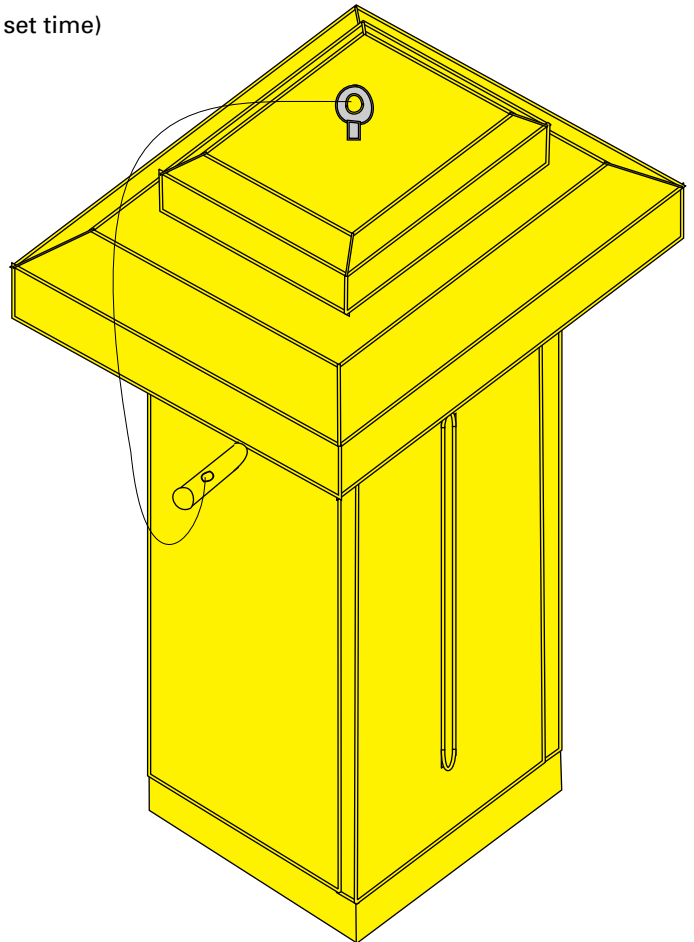
Cutting parts: 1 hour

Assembly: 1 – 2 hours (maybe longer, depending on glue set time)

Finishing: 1 hour

Total: 3 hours

TIP: Due to the small nature of these parts, it is highly recommended you DO NOT try to use a circular saw to cut these parts. Use extreme caution when using power tools to fabricate these small pieces.



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TOOLS

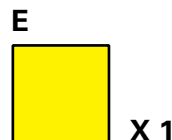
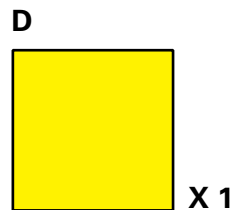
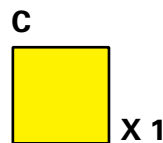
Table saw
Miter saw (or hand saw)
Jig saw
Brad nailer
Drill/Driver
 $\frac{3}{8}$ " Dia. drill bit at least 3" long
Router and $\frac{1}{4}$ " chamfer bit (optional)
Paint/Stain Brush
Damp rag to wipe up excess glue

SUPPLIES

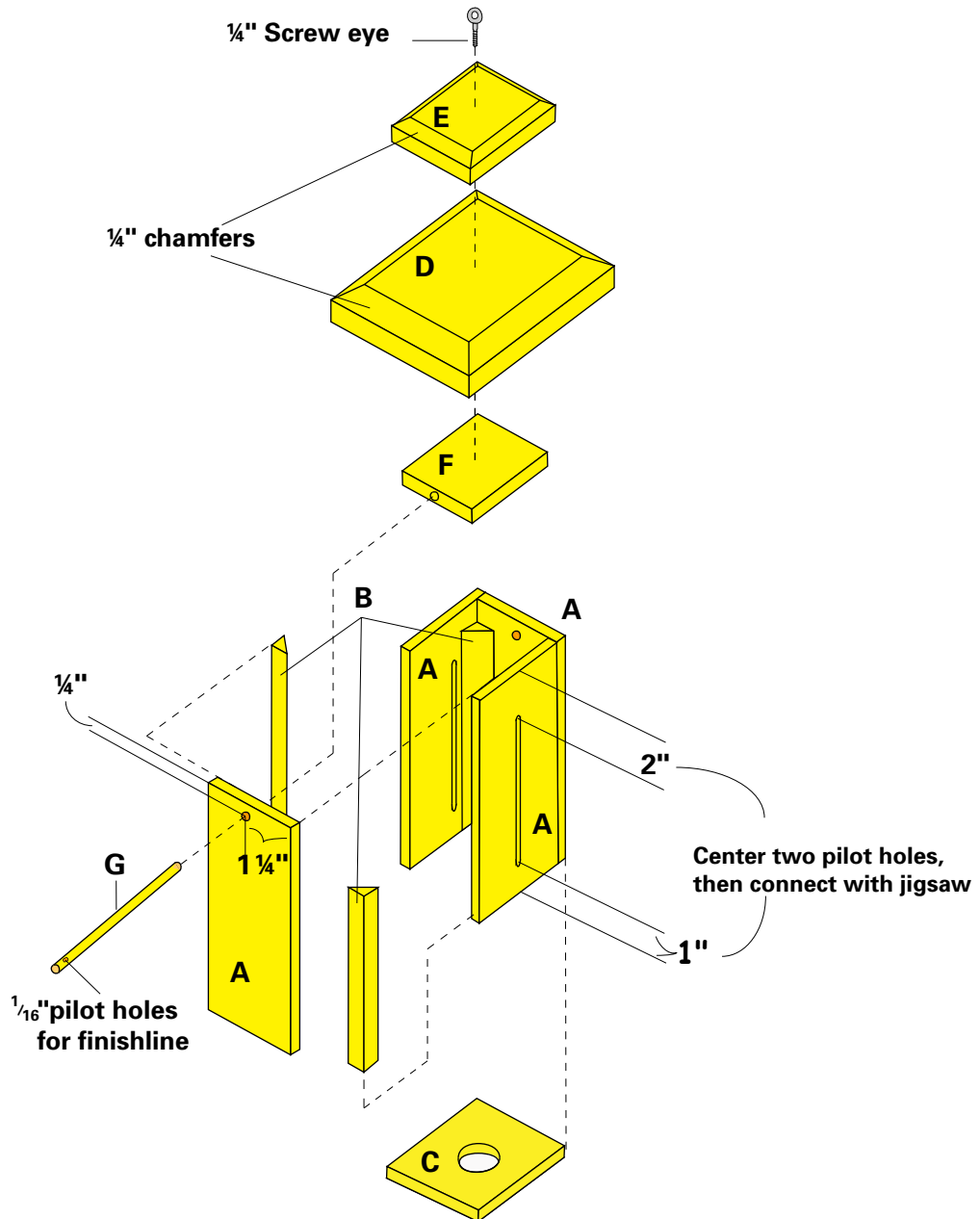
One piece of lumber measuring 1 x 6 x 4'
 $\frac{1}{4}$ " dowel
 $\frac{3}{4}$ " galvanized brads
1" galvanized brads
#10 galvanized or stainless steel $\frac{1}{4}$ " screw eye
8 oz. capacity water bottle (no more than 1 $\frac{3}{4}$ " in diameter and 6 $\frac{1}{4}$ " long – not counting feeding tube)
Waterproof glue
YellaWood Protector® Stain & Sealer
Fishing line

CUT LIST

A	(4)	$\frac{3}{8} \times 2 \frac{1}{2} \times 7$ "
B	(4)	$\frac{1}{2} \times \frac{1}{2} \times 5 \frac{1}{2}$ "
C	(1)	$\frac{3}{8} \times 3 \times 3$ "
D	(1)	$\frac{3}{4} \times 5 \times 5$ "
E	(1)	$\frac{3}{4} \times 3 \times 3$ "
F	(1)	$\frac{3}{4} \times 2 \times 2$ "
G	(1)	$\frac{1}{4} \times 5$ "



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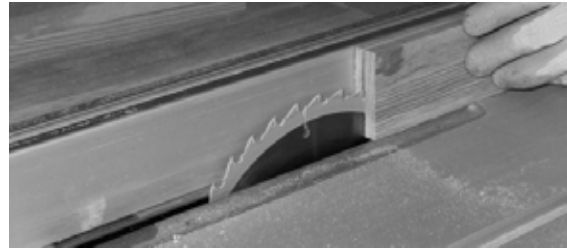


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BUILDING STEPS

- 01** Cut a 15" piece of 1 x 6 and rip it into two pieces ' 2 1/2" wide. Then, set your saw's fence so that the blade is centered in the thickness of your 3/4" stock and resaw those two pieces in half, so you end up with four pieces approximately 3/8" thick by 2 1/2" wide by 7" long. From those pieces, cut the four walls (A) and the bottom piece (C).



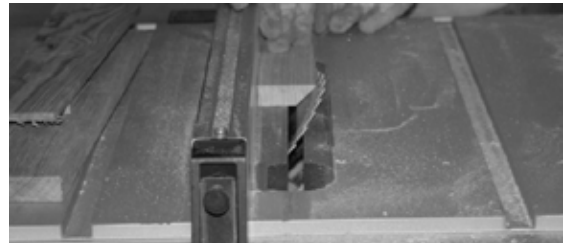
- 02** Stack two of the wall pieces together and drill two 3/8" holes, one about 3/4" from the bottom and the other about 2" from the top, along the centerline. Draw pencil lines between the outside edges of those two holes on both pieces, and cut that 3/8"-wide slot with a jig saw equipped with a thin, fine-toothed blade. These are the slots that allow you to see how much feeding solution is in the bottle.



- 03** From the remaining stock of your lumber, cut the top (D) and cap (E) to the dimensions on the cut list. Use your router and 1/4" chamfer bit to cut a chamfer around the perimeter of both pieces.



- 04** From the smaller piece of lumber, cut the corners (B). Set your table saw's blade to 45° and carefully rip four pieces no wider than 1/2". Crosscut to 5 1/2" long.



- 05** Center and drill a hole at least 1/8" larger than the cap in the bottom piece (C).



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BUILDING STEPS

- 06** Glue the corner pieces (B) to the wall sections (A), noting how the wall edges lap in the illustration. Keep the corner pieces flush with the bottom of your wall sections.



- 07** Once your glue has set, fit the wall sections together and drive $\frac{3}{4}$ " brads through the walls and into the corner pieces. You may want to use masking tape or rubber bands to keep the sections together as you do this.



- 08** Place the bottom piece (C) on the bottom of the box and attach with glue and $\frac{3}{4}$ " brads, driving the brads into the corner pieces.



- 09** Center the cap (E) on the top of the roof (D) and attach with glue and 1" brads. Center the lock block (F) on the bottom of this assembly and attach in the same manner.



- 10** Mark the center point for the $\frac{1}{4}$ " dowel key on the feeder wall as noted on the illustration. Insert the roof assembly and drill a $\frac{9}{32}$ " hole through one wall, the lock block and out through the other wall. Be careful to keep your drill perpendicular so the two holes on the feeder walls line up properly.



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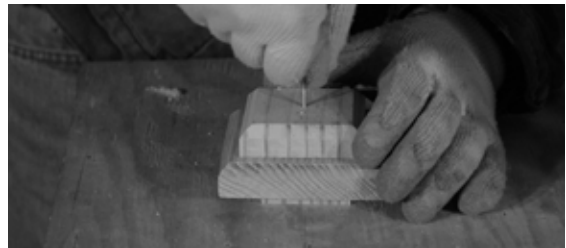
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BUILDING STEPS

- 11** Cut the dowel to proper length and drill a $\frac{1}{16}$ " hole through one end. Attach an approximate 12" length of fishing line to the dowel and the other end to the eye hook. This will keep the dowel key from becoming lost.



- 12** Drill a $\frac{1}{8}$ " hole about $\frac{1}{2}$ " deep in the center of your roof cap and screw in the eye hook.



- 13** Apply a waterproofing finish. We recommend long lasting YellaWood Protector® semi-transparent stain and water repellent wood sealer, the only stain backed by the famous Yella Tag. Follow manufacturer's recommendations for application.



- 14** Fill your bottle with a feeding mixture, place the feeder over the top and screw the feeding tube in place through the hole in the feeder bottom. Invert, place the roof on top and insert dowel key.



- 15** Hang in place and enjoy your bird watching.

TIP: You can purchase ready made hummingbird food mixtures or you can make your own by boiling water and adding white sugar in a 4:1 ratio (water to sugar). Add food coloring if you wish to make the mixture more visible through the slots in the feeder walls.

FASTENER AND HARDWARE INFORMATION SHEET

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For interior or exterior applications

Use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use. As with any good design and construction practices, treated wood should not be used in applications where trapped moisture or water can occur. Where design and/or actual conditions allow for constant, repetitive or long periods of wet conditions, only stainless steel fasteners should be used.

For exterior applications

The following minimum galvanization levels may be used for connectors, joist hangers, fasteners and other hardware that are placed in direct contact with exterior applications of micronized copper treated wood:

- **Fasteners** - nails, screws, etc.
ASTM – A 153 (1 oz/ft²)
- **Hardware** - connectors, joist hangers, etc.
ASTM – A 653 G90 (0.90 oz/ft²)

The effects of other building materials within a given assembly, along with environmental factors, should also be considered when selecting the appropriate hardware and fasteners to use for a given project containing treated wood.

Stainless Steel fasteners and hardware are required for Permanent Wood Foundations below grade and are recommended for use with treated wood in other severe exterior applications such as swimming pools, salt water exposure, etc. - Type 304 and 316 are recommended grades to use.

Aluminum building products may be placed in direct contact with YellaWood® brand products used for interior uses and above ground exterior applications such as decks, fencing, and landscaping projects. Examples of aluminum products include siding, roofing, gutters, door and window trim, flashing, nails, fasteners and other hardware connectors. However, direct contact of treated products and aluminum building products should be limited to code-compliant construction applications that provide proper water drainage and do not allow the wood to be exposed to standing water or water immersion.

We recommend you contact the aluminum building products manufacturer for its recommendations regarding use of its aluminum products in contact with treated wood in ground contact applications or when exposed to salt water, brackish water, or chlorinated water, such as swimming pools or hot tubs.

Also check with the aluminum building products manufacturer regarding compatibility with other chemicals and cleaning agents and the use of their aluminum products in commercial, industrial, and specialty applications such as boat construction.

YellaWood® brand pressure treated products are treated with preservatives (the "Preservatives") and preservative methods and technologies of unrelated third parties. For details regarding the Preservatives, methods, and technologies used by Great Southern Wood Preserving, Incorporated, see www.yellowood.com/preservative or write us at P.O. Box 610, Abbeville, AL 36310. Ask dealer for warranty details. For warranty or for important handling and other information concerning our products including the appropriate Safety Data Sheet (SDS), please visit us at www.yellowood.com/warranties or write us at P.O. Box 610, Abbeville, AL 36310. YellaWood®, YellaWood Protector® and the yellow tag are federally registered trademarks of Great Southern Wood Preserving, Incorporated.

Great Southern Wood Preserving, Incorporated makes no warranties expressed or implied as to the fitness for a particular purpose of this plan.

IMPORTANT INFORMATION

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- Consult the end tag to determine which preservative or preservative system was used in the treatment of that particular product. YellaWood® brand products may be used in direct contact with aluminum building products when limited to code-compliant construction applications that provide proper water drainage and do not allow the wood to be exposed to standing water or water immersion.
- Use fasteners and other hardware that are in compliance with building codes for the intended use.
- Do not burn preserved wood.
- Wear a dust mask and goggles when cutting or sanding wood.
- Wear gloves when working with wood.
- Some preservative may migrate from the treated wood into soil/water or may dislodge from the treated wood surface upon contact with skin.
- Wash exposed skin areas thoroughly.
- All sawdust and construction debris should be cleaned up and disposed of after construction.
- Wash work clothes separately from other household clothing before reuse.
- Preserved wood should not be used where it may come into direct or indirect contact with drinking water, except for uses involving incidental contact such as fresh water docks and bridges.
- Do not use preserved wood under circumstances when the preservative may become a component of food, animal feed or beehives.
- Do not use preserved wood as mulch.
- Only preserved wood that is visibly clean and free of surface residue should be used.
- If the wood is to be used in an interior application and becomes wet during construction, it should be allowed to dry before being covered or enclosed.
- If you desire to apply a paint, stain, clear water repellent or other finish to your preservative-treated wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, we recommend you apply the finishing product to a small exposed test area before finishing the entire project to ensure it provides the intended result before proceeding.
- Mold growth can and does occur on the surface of many products, including untreated and treated wood, during prolonged surface exposure to excessive moisture conditions. To remove mold from the treated wood surface, wood should be allowed to dry. Typically, mild soap and water can be used to remove remaining surface mold. For more information visit www.epa.gov.
- Projects should be designed and installed in accordance with federal, state and local building codes and ordinances governing construction in your area, and in accordance with the National Design Specifications (NDS) and the Wood Handbook.

Disposal Recommendations:

Preserved wood may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with federal, state and local regulations.