Bird Feeder Plans to build.

Solid Roof, Screen Tray, Large Hopper, Wooden Bird Feeder Plans
This design will create a large birdfeeder and will easily hold a gallon of bird seed. It accommodates small and large visitors with inner and outer perching areas, is easy to refill and keeps the bird seed dry. We tried to make these plans as simple as possible and for the feeder to be built cheaply. You could always fancy it up, but save your money on the fancy extras ‘cause the birds don’t care and instead spend it on better seed!

- Easy Bird Feeder Plans
- Here is the basic layout and basic instruction for the Large hopper bird feeder. Detailed instructions, material list and exact dimensions follow below.

-
Mark Center (3.5/8 inches)

Draw Lines between all Marks and Cut.

Trace Top Angle onto End Caps.

Mark Bottom Edge at both sides 2 inches from outside edge

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Perch

Perches and Side Rails are 12 in long

To Build Frame - Attach Side Rails and Perches inside of End Rails, then attach screen to Frame

Frame Support

All Frame Supports are 13.5 in long

End Rail

To Build Hopper - Attach Hopper End Pieces inside of End Rails

Frame Support

End Rails are 14 in long

Side Rail

Slide Glass into Kerfs

Frame Support

Set Removable Roof in Place, fasten with 1 screw

Perch

Need a 1" X 8" board at least 21 inches long

Cut 2 End Pieces 9 inches long and cut 2 End Caps 3 inches long

Need 1 Cedar Fence Picket 6 feet long (5.5 inches wide)

Cut 4 Roof Pieces, each 16 inches long

Roof Section | Roof Section | Roof Section | Roof Section
Construction
The Plexiglas sides show the level of the feed. However, Masonite can be used instead. Either material can be attached with screws or nails directly to the edges of the ends, or you can saw a kerf \( \frac{1}{4} \) inch from the front edge of the ends, and slide Plexiglas, Masonite or glass panels into this groove. A removable panel of this type permits easier cleaning. The 6 \( \frac{1}{2} \) -inch-wide Plexiglas should be installed so that its top edge meets the roof, thus providing the critical 1-inch clearance at the bottom for proper seed flow.

Installation  The feeder can be mounted on a post as diagrammed or hung using wire from a coat hanger. Place it in a site where you can enjoy watching your customers from the comfort of your home. Preferably, the feeder should be near bushes or trees to provide the birds with avenues of approach and retreat. You can attempt to discourage competing squirrels by installing the feeder on a 6-foot-high post or pipe, at least 20 feet away from points from which they can jump. Then fasten an inverted cone of sheet metal at least 18 inches in diameter around the post just beneath the feeder.

Maintenance  Flour will accumulate on the floor of the feeder and, when combined with moisture, forms a hard paste. This must be scraped off so that the seed feeds through properly and the drain holes remain functional.

Comment  If you wish to restrict your feeding to only the winter season, you should begin in late fall or with the first snowfall. Once started, the birds will become dependent on you, and you should continue feeding through the winter until gradually tapering off and discontinuing by March or April. Sunflower seeds (especially the small oil-type) flow well in this feeder, and they are attractive to an array of bird species-cardinals, chickadees, titmice, blue jays and finches. Wild birdseed mix, finely cracked corn or chicken scratch can also be used. Other species, such as juncos and sparrows, will benefit if you simply scatter some seed on the ground. Others select entirely different foods. Suet (fat trimmings) obtained from a meat market can be hung in a mesh fruit or onion bag for woodpeckers and nuthatches. Fried meat grease smeared on the bark of a tree or log may attract chickadees and creepers. Mockingbirds and bluebirds will sometimes accept cut-up fruit or berries.
# How to Build a Bird Feeder

**Drawings by Steve Gum**

**Missouri Department of Conservation**

**All parts from a single 1" x 6" board 7' long**

<table>
<thead>
<tr>
<th>Part</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>Roof</td>
<td>13'</td>
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<tr>
<td>Roof</td>
<td>13'</td>
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<tr>
<td>Floor</td>
<td>10'</td>
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<tr>
<td>End</td>
<td>9'</td>
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<tr>
<td>End</td>
<td>9'</td>
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<tr>
<td>Base</td>
<td>10'</td>
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<tr>
<td>Sides</td>
<td>1½' x 10'</td>
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<tr>
<td>Surplus</td>
<td>10'</td>
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<tr>
<td>Spacer</td>
<td>10'</td>
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**Directions:**

1. **Drill holes in 2 of the 4 sides.**

2. **Nail one side of roof to end panels.**

3. **Screw two Plexiglass sheets to end panels.**
   - 1/8" x 1/2" x 10" (leave 1" space at the bottom)
   - 2 3/8" dowels

4. **Secure base to post with heavy nails.**

5. **Mounting Post.**

6. **Fasten feeder to base with two 8" screws.**

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Here’s a plan for a bird feeder that you can make from the scraps left over from other jobs. Whether you're feeding birds for the winter or attracting them to your yard in the spring, this feeder is a great way to recycle your shop scraps. This also makes a great project to share with a child. You can use the project to teach a child some basic woodworking skills with an emphasis on shop and tool safety.

Material needed
1 x 2 Boards Rated for Outdoor Use: 12-1/2-in. (1) 8-1/4-in. (2) 8-in. (2)
3-in. PVC Drain Pipe 11-in. Long (140° segment), 5/16-in. Dowel 12-1/2-in. Long (4),
1/4-in. Thick Oriented Strand Board: 9-in. x 14-in., 1-in. Screws, 1/2-in. Screweyes
1-1/2-in. Brads
Wood Glue 3/8-in. Rope

Bird Feeder assembly
Build Your Bird Feeder

Step 1
Cut PVC pipe to length. Use the jigsaw to cut a 140° segment. File and sand.

Step 2
Saw roof to 9 inches x 14 inches.

Step 3
Saw 1 x 2 pieces to shapes and sizes shown.

Step 4
Drill pilot holes for brads, screweyes and screws. Countersink screw holes.

Step 5
With the base pieces clamped together, drill holes for dowels.

Step 6
Glue 1 x 2 strut under roof and attach with 3 screws.

Step 7
Glue 1 x 2 side pieces to base pieces and attach with brads and clamps until dry.

Step 8
Attach tops of 1 x 2 side pieces to roof and ends of roof strut with glue and brads.
Step 9
Install screweyes.

Step 10
Cut dowels to length to match assembly and install in holes in base pieces.

Step 11
Paint roof, if desired.

Step 12
Place pipe segment between central dowels.

Step 13
Tie rope to screweyes for hanging.