



Revolutionary Chicken Indoor/Outdoor Fodder System



The Revolutionary Chicken Indoor/Outdoor Fodder System is easy to use and cheap to build. It uses trays with high edges that rest on dowels mounted at alternating angles, allowing the water to flow throughout the system. While it is outdoors, it is designed to be connected to a water spigot with a hose timer, and while it is indoors, the system is manually watered twice a day with a little more than one quart of water poured on each side. It can transition from an indoor manual system to an outdoor automatic system in a few minutes.

For best results, start with three-day old sprouts instead of grain seeds. Look for sprouting stands for sale on RevolutionaryChicken.com.

Note: After researching further, I am now of the opinion that 3-4 day old sprouts may be more nutritious for chickens than growing them into fodder. Although the green blades of grass look better than sprouts, the growing plant may use up nutrients to aid in growth, leaving less for the chickens when it is consumed.

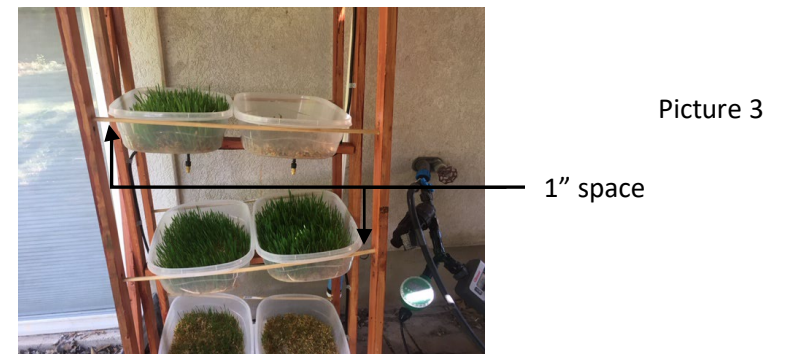
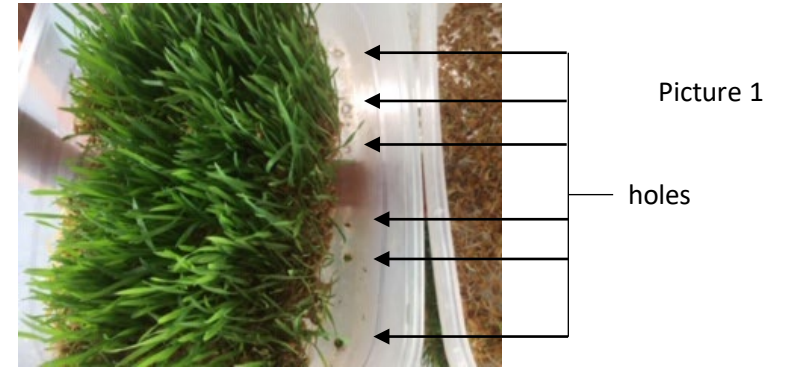
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Materials Used

- Wood furring strips: 1.5"X.57"x 8 ft (6-7): \$1.18/each=\$9.44
 - <https://www.homedepot.com/p/1-in-x-2-in-x-8-ft-Furring-Strip-Board-160954/100009348>
 - 47.75" (4)
 - 47" (2)
 - 21.25" (1)
 - 22.75 (2)
 - 14.5" (4)
 - 20" (2)—Measure in place before cutting. Also, these pieces need holes on ends so ¼" tubing can fit through. Cut holes before you assemble it together.
 - 46.5" (1)—angle cut on ends
 - 3/8 inch x 36" dowels (6): \$9.36 (cut to 20.75")
<https://www.homedepot.com/p/Builder-s-Choice-3-8-in-x-36-in-Oak-Round-Dowel-HDDO3836/206184719>
 - ¼" irrigation tubing (13.75 ft is more than enough): \$5.58
https://www.amazon.com/Raindrip-R256DT-4-Inch-50-Foot-Irrigation/dp/B000LNU7BI/ref=sr_1_1?dchild=1&keywords=1%2F4%22+drip+irrigation+tubing&qid=1594614101&sr=8-1
 - Digital Hose timer: \$17.58
<https://www.ebay.com/itm/Automatic-Water-Timer-Irrigation-Controller-Digital-for-Garden-Lawn-Hose-Faucet/323865923977?epid=2082284513&hash=item4b67e9d189:g:HhoAAOSws4he-Wbe>
 - Water pressure regulator: \$5.27
<https://www.homedepot.com/p/DIG-25-psi-Hose-Thread-Pressure-Regulator-D46/100180295>
 - Adjustable sprayers (6): \$6.92 for pack of 10
<https://www.ebay.com/itm/Adjustable-Spray-Drippers-Barbed-Tee-Joints-Irrigation-Misting-Kit-10-Pcs/352709870641?hash=item521f258431:g:4TIAAOSw7oheqFdR>
 - 18 quart dishpan: \$2.44
<https://www.walmart.com/ip/Sterilite-18-Qt-Dishpan-White/666334430>
 - .25 inch Cable clamps (1-2 packs/18 per pack): \$1.44
<https://www.homedepot.com/p/Gardner-Bender-3-8-x-1-4-in-One-Hole-Plastic-Cable-Clamp-18-Pack-PPC-1525/100158293>
 - (optional) hose splitter: \$2.96
<https://www.homedepot.com/p/DIG-3-4-in-Swivel-FHT-Y-Hose-End-Splitter-D52/204758563>
 - (optional) small cup hook to put on the side of the fodder system to hang the hose when it is indoors
 - Hose Adapter (I think it comes with the timer. But just in case, it's \$1.91 @ Home Depot <https://www.homedepot.com/p/Rain-Bird-Drip-3-4-in-Female-Hose-Thread-x-1-4-in-Drip-Tubing-Adapter-HE025DPS/204751236>)
- Total: \$58.03 (in 2020)**

Tips

1. You may want to stain or treat the wood with a sealant before building to protect it from moisture.
2. Drill out the holes for the tubing to pass through the horizontal braces before assembling to the rest of the structure. You will need a drill bit just larger than a $\frac{1}{4}$ of an inch.
3. Angle cuts on the ends of the two center braces are not necessary. It works just attaching them as is, even though they attach at an angle a little off 90° .
4. To attach the dowels, drill a $\frac{3}{8}$ " hole (without going all the way through the wood) into each 47.75" vertical piece at the specified height (measured from the top of the piece of wood being drilled). Secure the dowels with a dab of wood glue on each end.
5. Drill 6-8 holes in the side of each of the trays with about a $\frac{7}{32}$ drill bit—a little smaller than $\frac{1}{4}$ " (6 mm) but still fairly large. Drill close to where the center horizontal brace will be on each side underneath the tray, but do not drill holes directly over the brace. You want the water to flow down from the tray but not touch the brace. (See picture 1).
6. Use the .25 inch cable clamps to attach the tubing to the body of the fodder system. Attach one to either side of each sprayer. (See picture 2).
7. By staggering the trays somewhat, you can get them to drain into the ones underneath without spilling. To accomplish this, push the trays so they touch the side without the tubing on each tier. (See picture 3).
8. When you remove a tray, make sure to put it back in the same direction, so that the holes are on the same side. Otherwise, water will come out where it is not supposed to. You may want to label the front of the trays so you replace them in the right direction.



9. Place the dishpan all the way to the right. It is wide enough to catch water from both sides. *See picture 4.*
10. Attach a cup hook to the side of the fodder system so you can hang the tubing from it when it is indoors. *See picture 5.*
11. For best results, use three-day old sprouts instead of seeds in the fodder system. You can use the free sprouting rack plans, or purchase sprouting stands. Both are available at RevolutionaryChicken.com. *See pictures 6 and 7.*



Picture 4

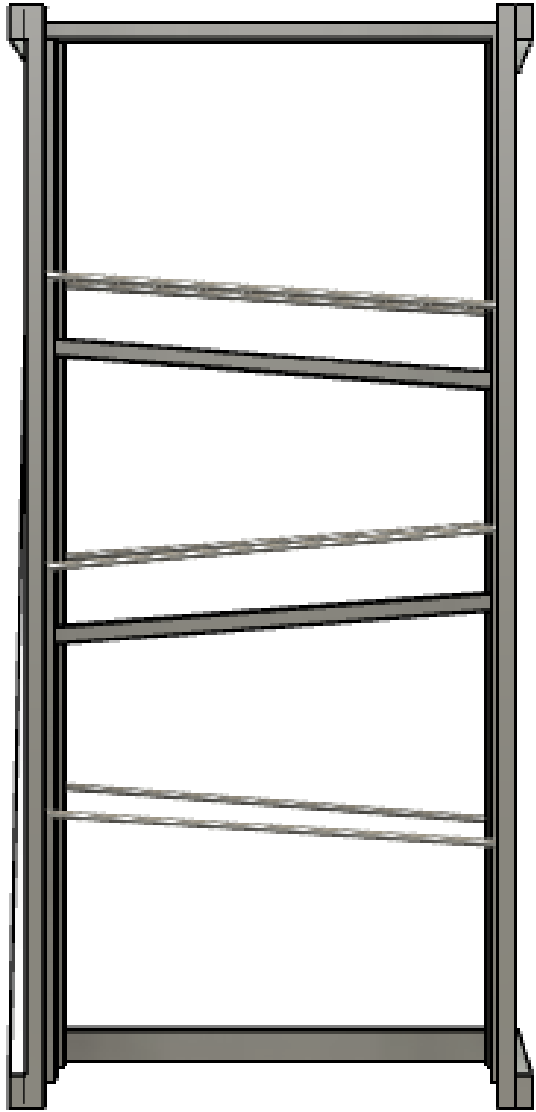


Picture 5



Picture 6 and 7

Front View



Front Right View



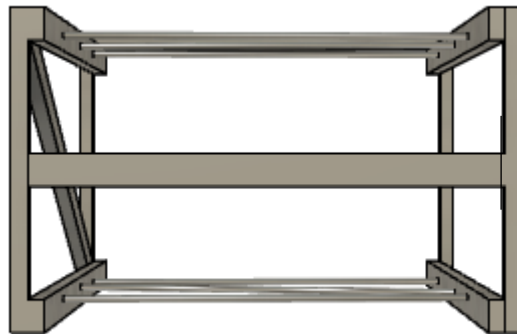
Front Left View



Back View



Top View



Back Left View

