



# WORM BIN FARM PROJECT PLAN

(holds 1 or 2 worm bins & 1 liquid fertilizer collection bin)

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**Tools:** Cordless Power Drill, Circular OR Jig Saw, & Phillips Head Screwdriver

## Materials for Worm Bin Box:

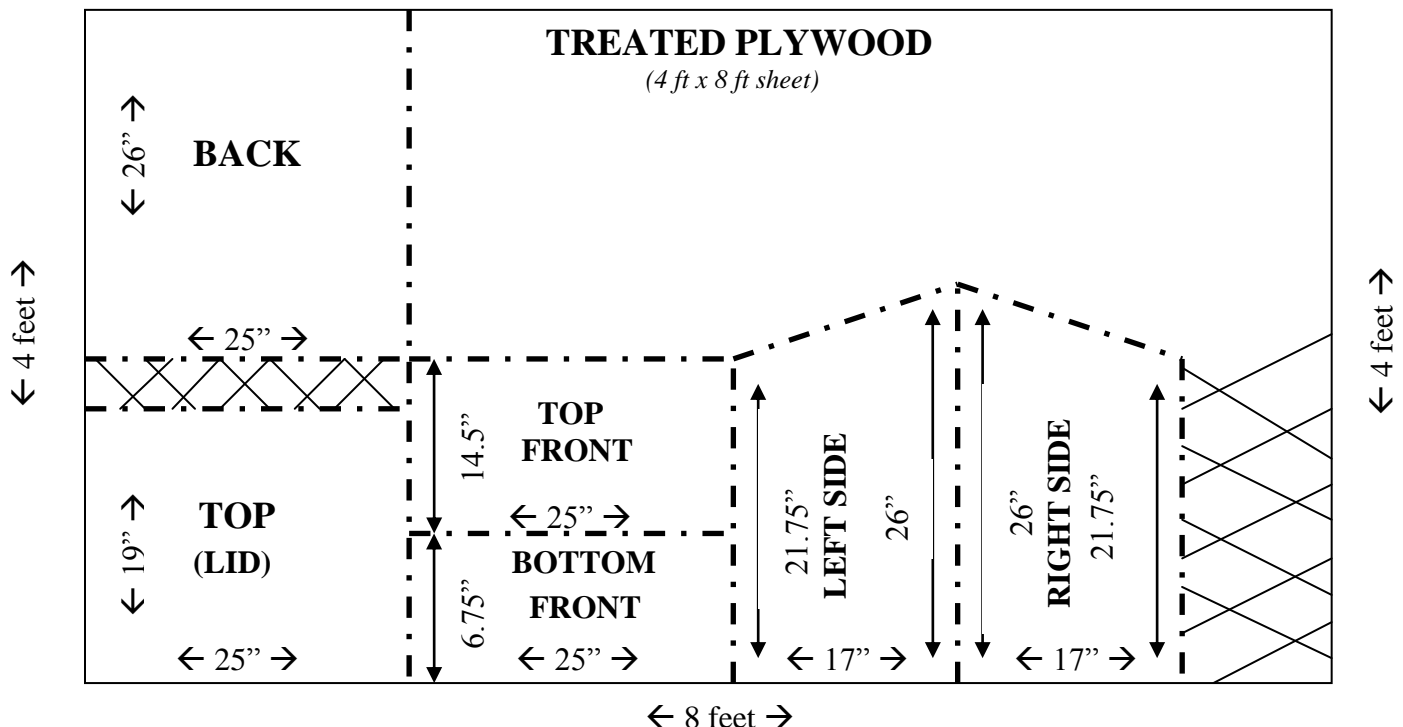
- (1) Sheet of ½" inch thick piece of Treated Plywood (4' ft x 8' ft): ~\$20
- (1) 2" x 4" that is at least 4 ft long: ~\$4
- (2) 3" Outdoor/Weatherproof Hinges (*screws not needed*) for Top of Box: ~\$2.50 ea or ~\$5.00 total
- (1) Packet of (2) 2" Outdoor/Weatherproof H-Hinges (*screws not needed*) for Front of Box: ~\$2.50 per packet
- (8) L-Brackets (GA2 3 1/4" x 1 1/4" Gusset Angle): ~\$1 ea or ~\$8 total
- (1) Box of 75 ½" inch Wood Screws (*for hinges & L-brackets*): ~\$5 per box
- (1) 8-pack of 2.5" Wood Screws (*for attaching 2x4's to sides of box to create shelf inside box*): ~\$2
- (1) Small 1"-1.5" Wooden Cabinet Knob for opening the bottom front door of box: ~\$1 ea
- (1 or 2) Dark 10 Gallon Plastic Storage Boxes (24" long x 16" wide x 8.8" deep): ~\$7 ea
- (1) Clear 5-7 Gallon Plastic Storage Box (22-24" long, 15-16" wide, & 5-6" deep): ~\$6 ea

## Step 1

- Cut the 2" x 4" into (2) pieces that are 24" long each to create a shelf for the dark storage box(es) inside the box that will hold the worm farm(s).

## Step 2

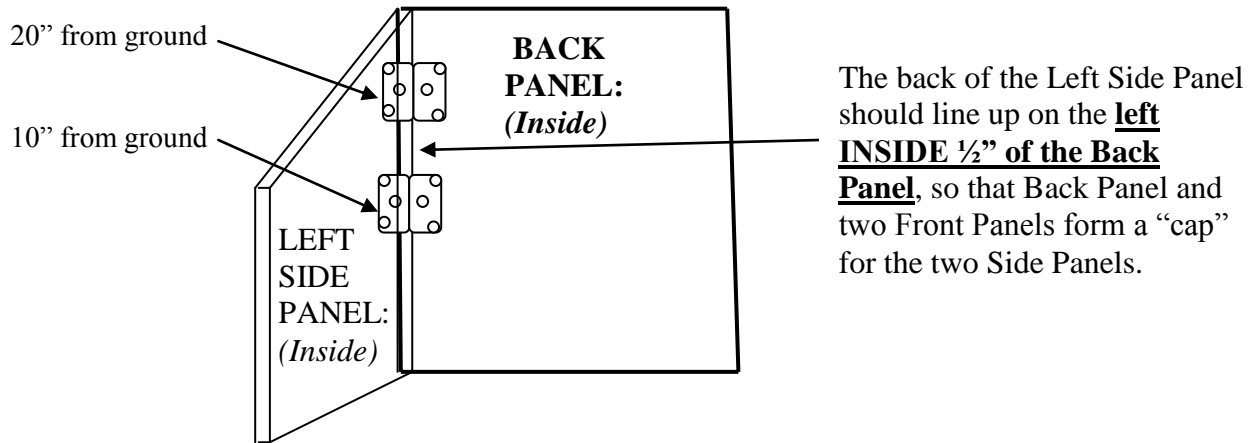
- Cut the sheet of ½" Treated Plywood (*see diagram below & photo on page 4*) into the following:
  - Back of Box: ½ inch Treated Plywood cut into a 26" High x 25" Wide rectangle
  - Top of Box: ½ inch Treated Plywood cut into 19" High x 25" Wide rectangle
  - Front of Boxes (piece #1): ½ inch Treated Plywood cut into 14.5" High x 25" Wide rectangle
  - Front of Boxes (piece #2): ½ inch Treated Plywood cut into 6.75" High x 25" Wide rectangle
  - Left Side of Boxes: ½ inch Treated Plywood cut into trapezoids that are 26" x 17" x 21.5"
  - Right Side of Boxes: ½ inch Treated Plywood cut into trapezoids that are 21.5" x 17" x 26"



## ***WORM BIN BOX INSTRUCTIONS CONTINUED...page 2 of 4...***

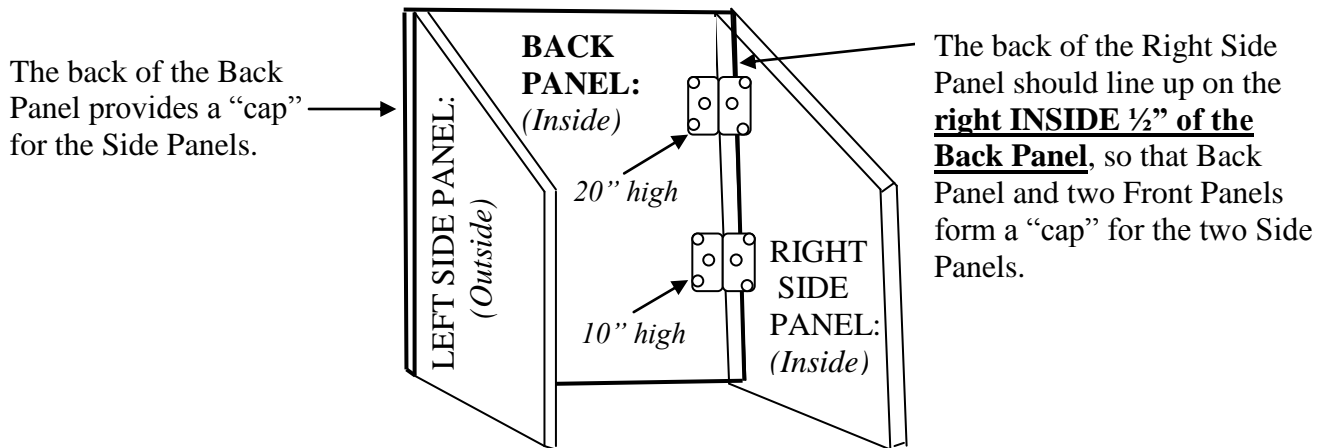
### **Step 3**

Use (12) ½" Wood Screws to attach the Left Side (½" plywood) to the Back (½" plywood) using (2) L-Brackets (such as (2) GA2 3 1/4" x 1 1/4" Gusset Angles) on the inside of the box.



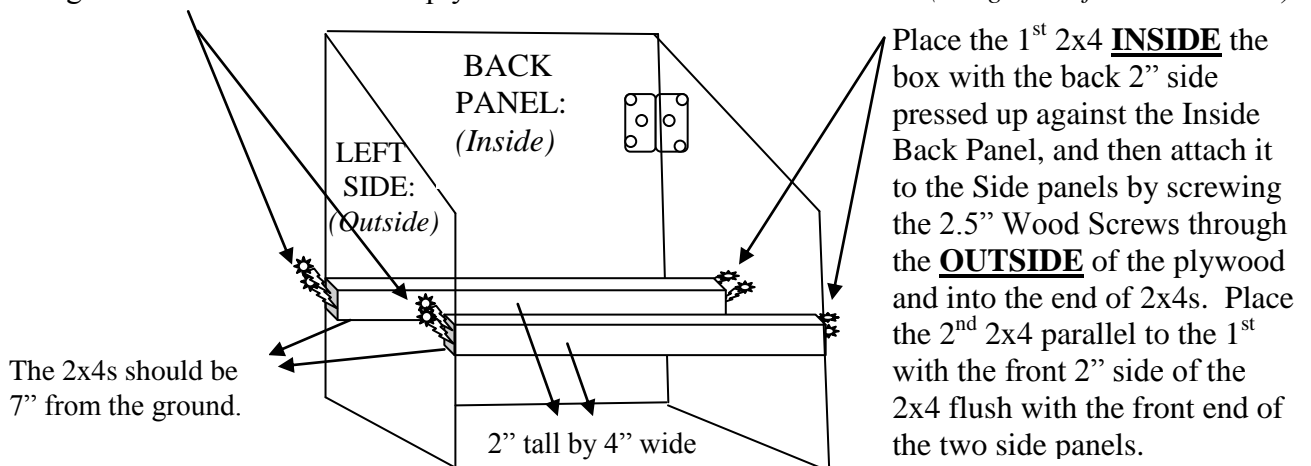
### **Step 4**

Use (12) ½" Wood Screws to attach the Right Side (½" plywood) to the Back (½" plywood) using (2) L-Brackets (such as (2) GA2 3 1/4" x 1 1/4" Gusset Angles) on the inside of the box.



### **Step 5** (see the photo on page 4)

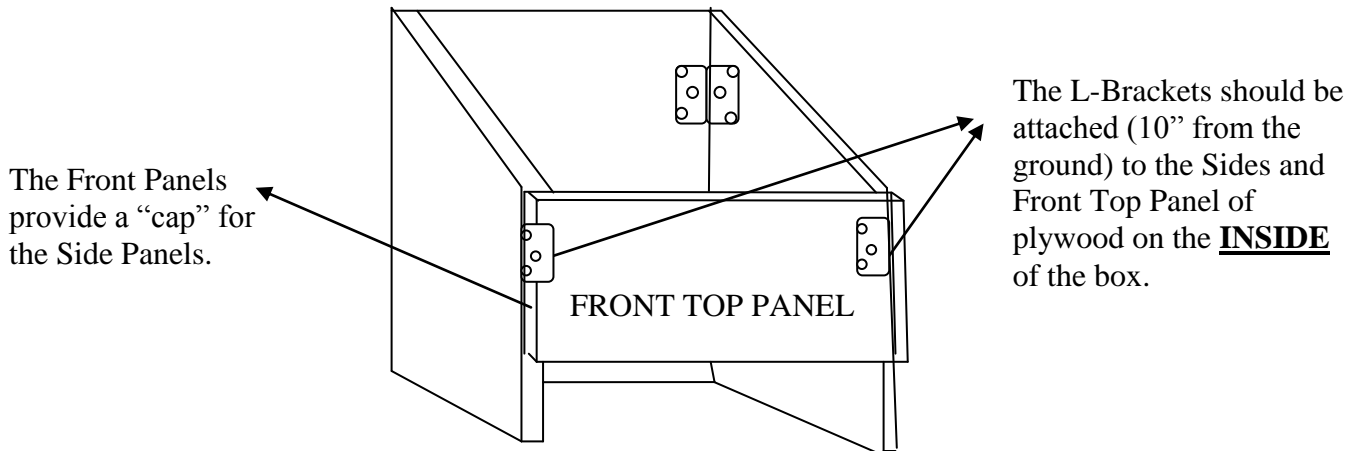
Attach the (2) 24" long 2x4s to the Right & Left Sides (7" from the ground) by screwing (2) 2.5" Wood Screws through the **OUTSIDE** of the ½" plywood and into the end of each 2x4s (using all 8 of the 2.5" screws).



## WORM BIN BOX INSTRUCTIONS CONTINUED...page 3 of 4...

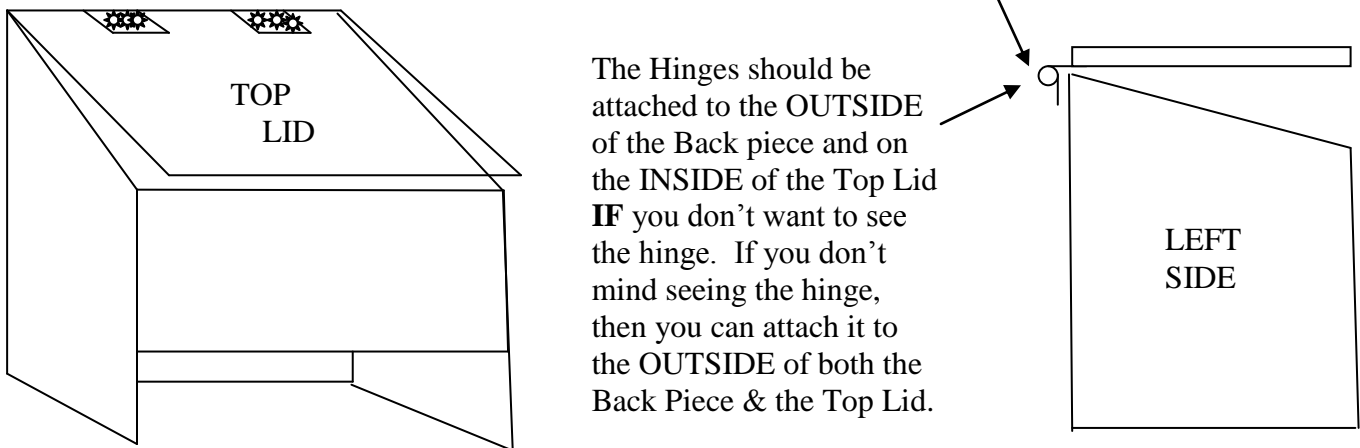
### Step 6

Use (12) 1/2" Wood Screws to attach the Front Top Panel (1/2" plywood) to the Left & Right Sides (1/2" plywood) using (2) L-Brackets (such as (2) GA2 3 1/4" x 1 1/4" Gusset Angles) on the inside of the box.



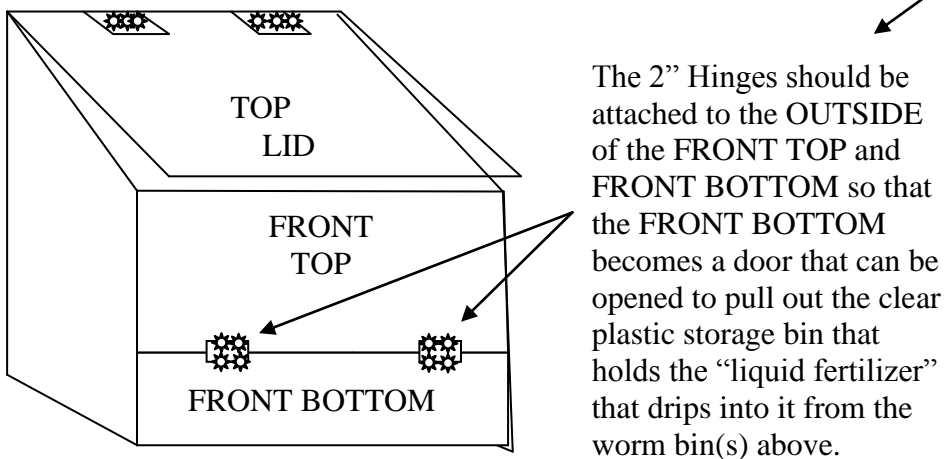
### Step 7

Attach the Top Lid to the Back of the worm bin box using the (2) 3-inch hinges and (12) 1/2" wood screws.



### Step 8

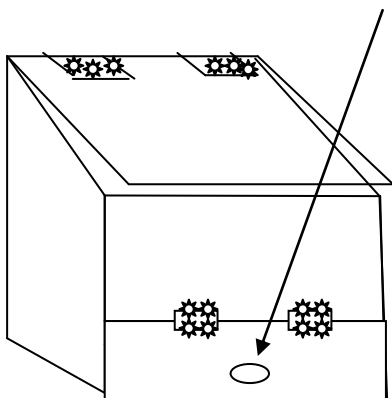
Attach the Front Top piece to the Front Bottom piece using the (2) 2-inch H-hinges and (8) wood screws.



## ***WORM BIN BOX INSTRUCTIONS CONTINUED...page 4 of 4...***

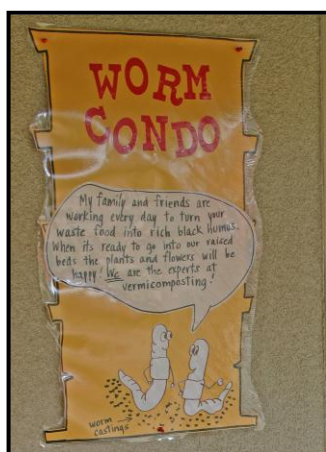
### **Step 9**

Attach the Small Wooden Knob to the front of the Front Bottom piece so that you can lift the door open easily.



### **Step 10 (optional)**

Paint & Decorate the Worm Bin Box, and add a Sign to it explaining the purpose of a Worm Farm.



EXAMPLE SIGN for your WORM BIN BOX:

My family and friends are working every day to turn your waste food into rich black humus. When it's ready to go into our raised beds the plants and flowers will be so happy! We are the experts at Vermicomposting!

## **EXTRA PHOTOS TO HELP YOU VISUALIZE THE CONSTRUCTION**



**Worm Bin Box Lumber:  
Laid Out & Labeled**



**Worm Bin Box with (1) Worm Bin:  
How it should look after Step #5**