

# Build Your Own Organic Tea Brewer

## *Parts & Tools List*

### *Parts*

- 6 – ½" PVC elbows
  - 1- ½" PVC Tee
  - 1 – ½" PVC Adapter SxMPT
  - 2 – ½" x 11 ¾" PVC pipe
  - 1 – ½" x 10 ¾" PVC pipe
  - 2 – ½" x 4 7/8" PVC pipe
  - 1 – ½" x 2" PVC pipe
  - 1 – ½" x 32" PVC pipe
  - 1 – ½" x 4" PVC pipe
- These sections of ½" pipe add up to approximately 9'*
- 1 - 2" X 36" PVC pipe (thicker pipe to lay across the top of the barrel)
  - 2 – 7/8" spring clips w/screws & nuts
  - 1 - 400 micron mesh bag with drawstring  
(big enough to accommodate 10 lbs of compost)
  - 1 – 6' x ¾" rubber tubing
  - 1 - ¾" stainless steel screw clamp
  - 1- Air pump – recommended 9,000 cu.in/min.
  - 1 – Trash barrel

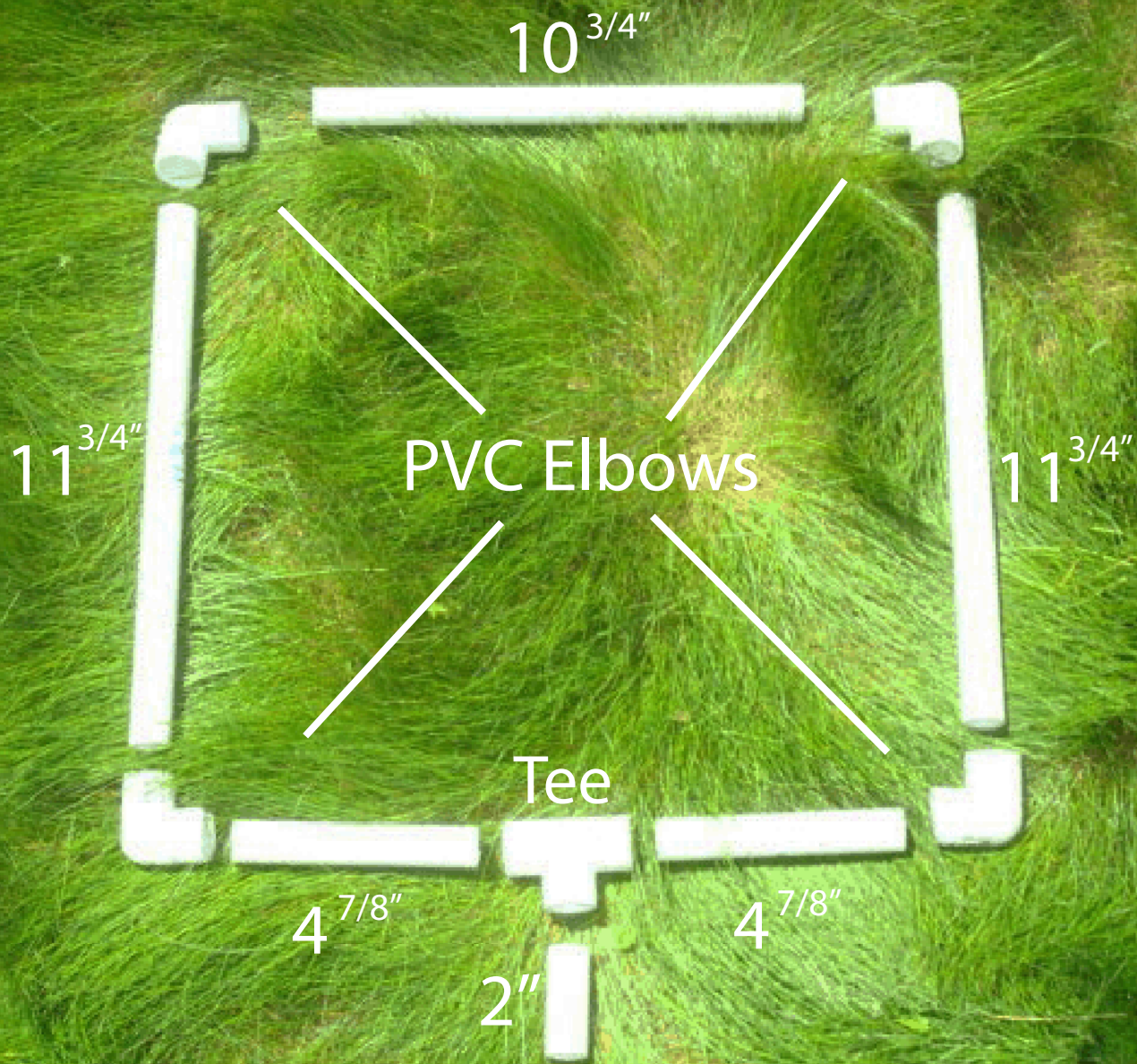
### *Tools*

- PVC cement
- PVC primer
- Drill with a 1/8" and 1/4" drill bits
- Small hand saw



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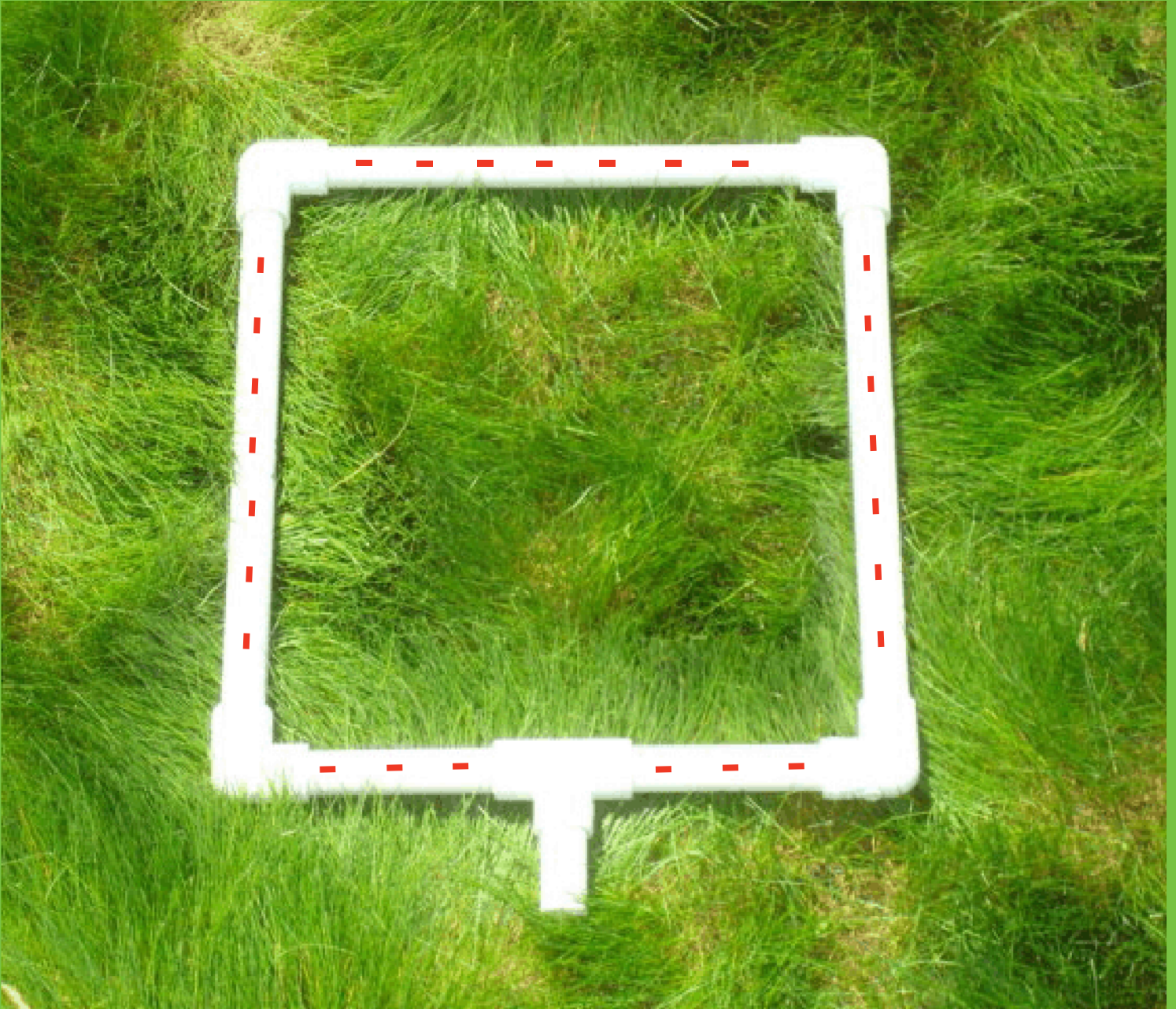
# Step 1



Using PVC primer, thoroughly clean the connection points on the pipes and elbows. Then, using PVC cement, connect the various parts as illustrated above.



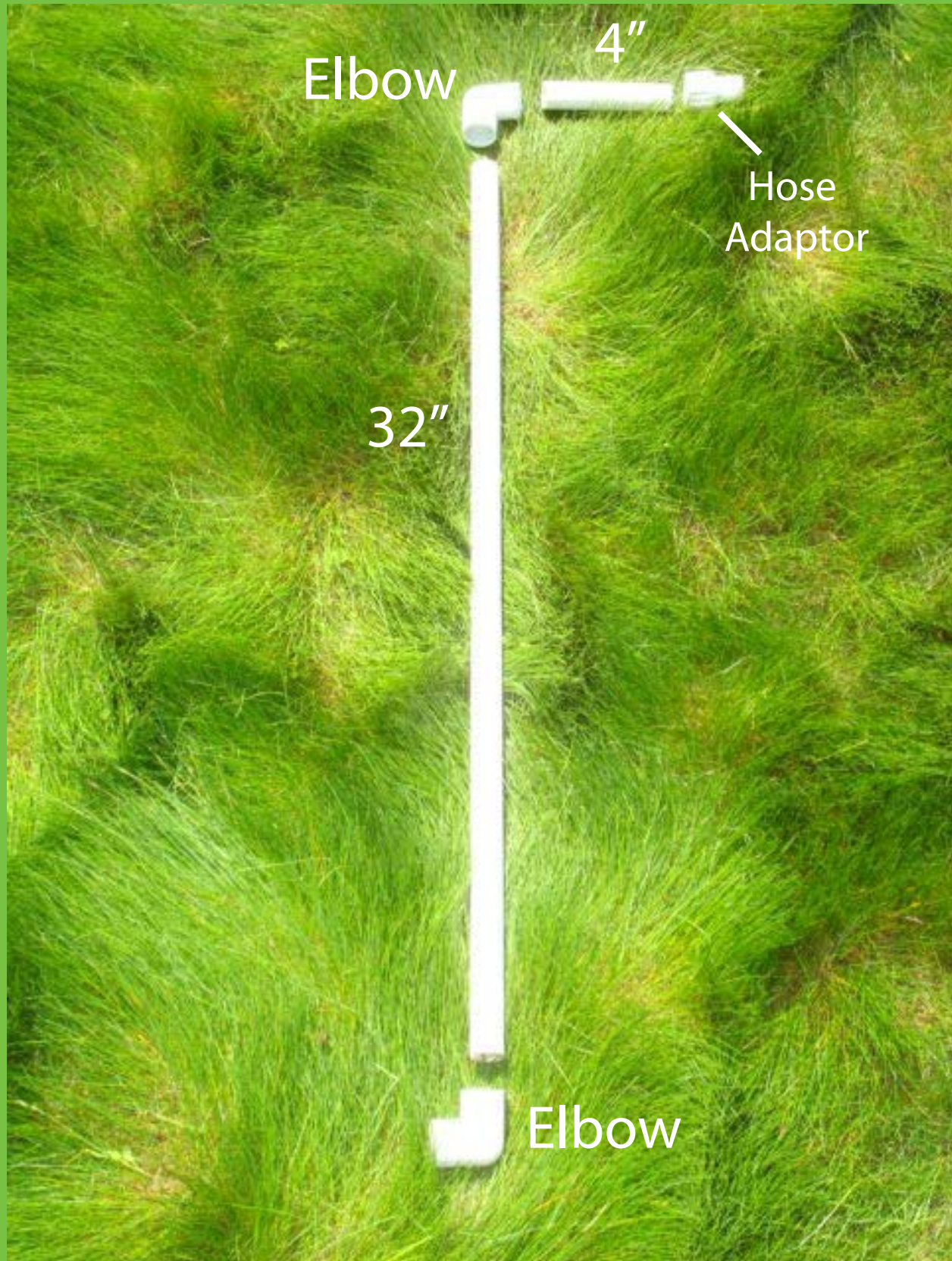
# Step 2



Drill 1/8" holes every inch or so as illustrated in red  
(only drill through one side of the pipe, not all the way through)



# Step 3



Using PVC primer, thoroughly clean the connection points of the PVC pipes and elbows. Then, using PVC cement, connect the various parts as illustrated above.



# Step 4



Connect the base of the brewer (holes facing down) to the longer section as illustrated above. Remember to clean and cement the connection point.

# Step 5



Using the rubber hose and any necessary adaptors, attach the air pump to the top end of the brewer with a clamp as illustrated above.



At this stage, your brewer should look like this



# Step 6



Place brewer inside trash barrel. Drill  $\frac{1}{4}$ " holes in the side of the barrel and, using screws, attach the 2 spring clips. Mount the brewing mechanism to the spring clips as illustrated above so that the brewer is suspended a few inches off the bottom.



# Step 7



To secure the PVC pipe that will lay across the barrel and suspend the bag of compost, cut two notches in each side of the pipe as illustrated above. Attach bag of compost to the pipe then lay pipe across top of barrel.

# You're Done!



Fill the barrel so that the compost bag is completely submerged. Turn on the air pump.

Brewing time varies depending on the type of tea you're creating. Refer to the "tea recipes" document on this website for more information.



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## *Tea Application*



Depending on the size of the area you're treating, use either a watering can or a larger pump style sprayer



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