

Zach's Worm Casting Tea Recipe

Ingredients

- 5 Gallons (19 liters) of **pure well water**, collected **rainwater**, or city water allowed to sit out overnight. *see note
- 12 oz (340g) **worm castings**
- 4 oz (113g) of **unscreened handmade compost**
- 4 oz (113g) **decomposed wood chip mulch** (hydrated)
- 2 Tablespoons (30g) **humic acid**
- 2 Tablespoons (30g) **kelp meal**
- 2 Tablespoons (30g) **fish hydrolysate**
- 2 Tablespoons (30g) **AZWF BSFL Nutrient+**

Directions:

1. Place the bubble snake in the bucket.
2. Add 5 gallons of water to the bucket. (see temperature note below)
3. Fill the compost tea bag with castings, compost, and mulch.
4. Tie the tea bag to the snake.
5. Add liquid and powdered ingredients to the bucket.
6. Turn on the pump.
7. **Optional step:** Replace ingredients in the tea bag with fresh castings, compost, and mulch after 1 hour and again after 2 hours. After the 3rd hour of aeration, take the tea bag out of the bucket. (Add spent ingredients to garden beds or containers.)
8. Remove the tea bag after 3 hours of aeration.
9. Continue aerating the tea for 21-24 hours, but not longer.
10. Use tea within 2-3 hours. The microbes begin dying when you take the tea off the bubbler. After 4 hours, the numbers return to where you started.

* A note about water: **Most city water has chlorine to kill parasites, bacteria, and viruses.** It kills the bad stuff but also kills the good stuff. If you only have access to city water, add water to the bucket and let it sit overnight. The chlorine will dissipate. If you are in a hurry, boiling for 15 minutes will have the same effect. Allow to cool before use.

Temperature: Keep water temperature between 60-70°F (15.5-21°C), above 85°F-90°F (29-32°C) is too hot.

Recipe courtesy of Zach Brooks, owner of Arizona Worm Farm