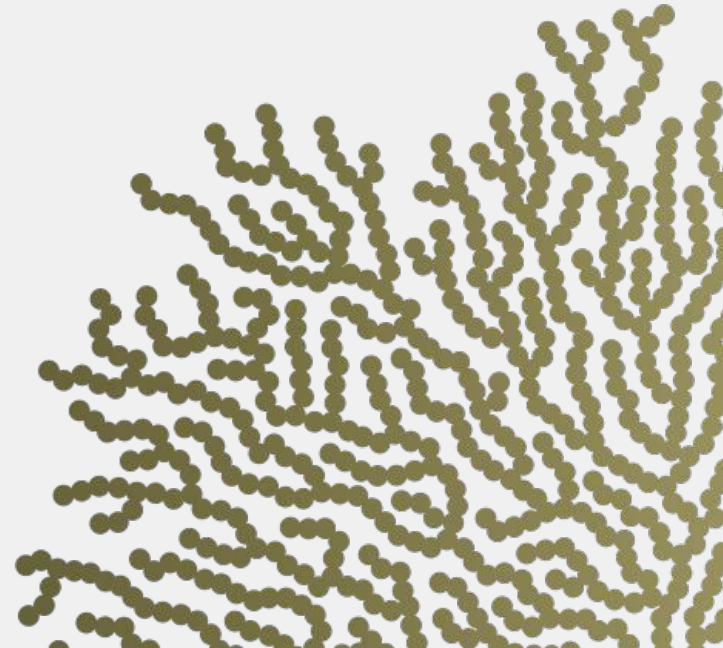




Grow It Yourself Mycelium Packaging kit





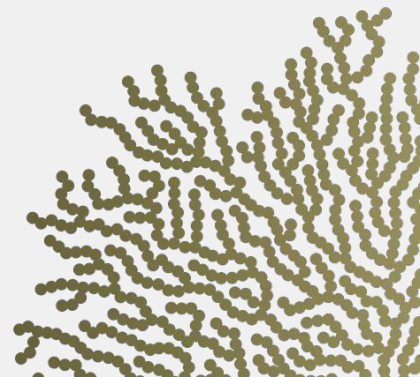
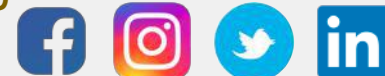
Make your own packaging!

This instruction booklet is intended as a guide and example of how you can grow your own packaging using the GIY Packaging kit. There are many ways to design and make your own packaging, so please feel free to stray from the directions, but make sure to use the GIY instructions as a guide for how to handle the material and achieve best growing results. If you are unsure or have questions, visit <https://www.grown.bio/faq/>

Or

Check out the GIY video:
<https://www.youtube.com/watch?v=-ZISqDeRvSc>

Have fun! Also take pictures and tag #grownbio



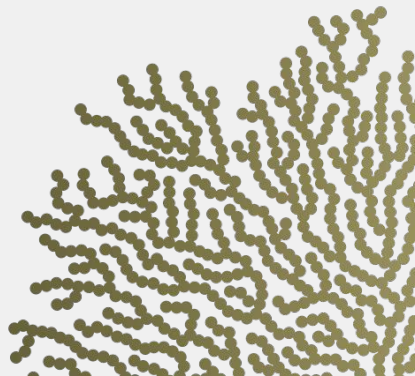


Prepare the material

1. Clean all tools and surfaces with ethanol
2. Follow the GIY bag instructions to rehydrate the material.

Tools needed:

- Ethanol
- Foil
- Bags
- Scissors
- Mold/box
- Gloves
- Flour
- Sculpting mix (optional)

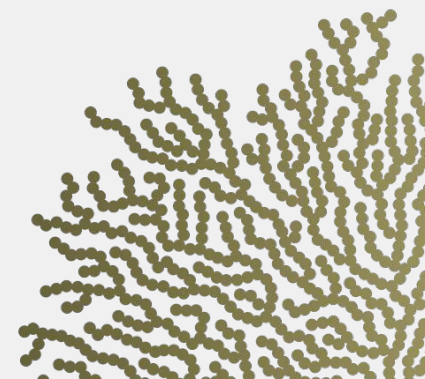




Prepare box

Mycelium minimal thickness must be 2cm.
Measure the outermost edges of your product,
and place it in such a way in the box that it is
surrounded by empty space between the
product and the box.

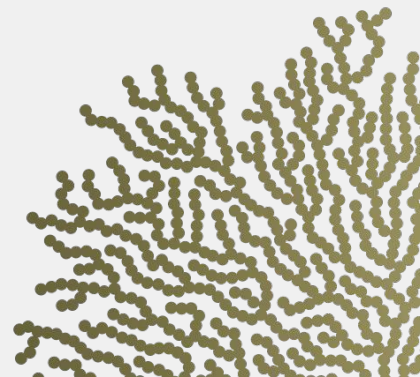
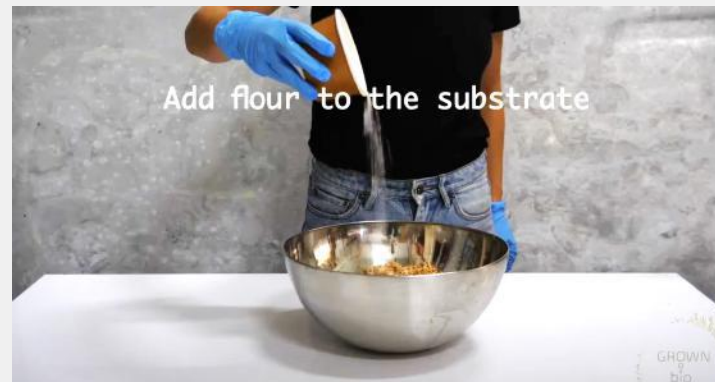
If packaging multiple items, use this same
method, but leave at least 2 cm of material
between the objects.





Prepare the material

1. Using gloves: Add material to bowl and add flour (30g per kg).
2. Add sculpting mix if you want to shape it in a specific way (optional)
3. Breakup material and thoroughly mix in the flour. Make sure you crumble all lumps.





First layer of material

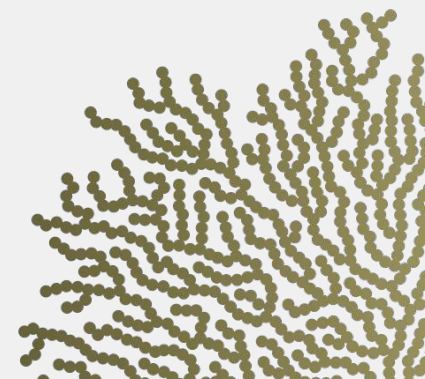
1. Place bag in box and conform to sides.
2. Fill Material to centerline of box.
3. Place object in up to centerline, removing material as necessary.





Filling up with substrate

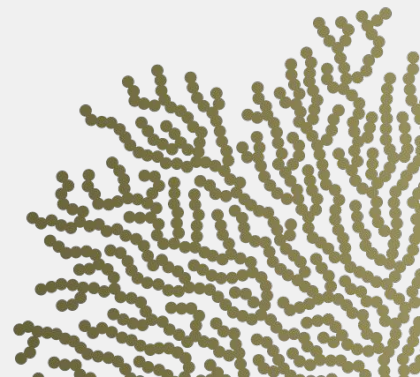
1. Place layer of plastic in box, conforming to object and material
2. Fill remaining void with material, packing material into crevices.





Removing parts from the bag

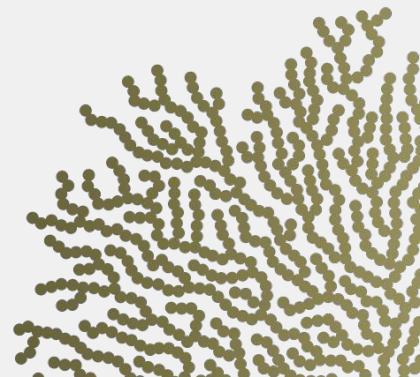
1. Remove bag and material from the box.
2. Cut the bag open with clean scissors.





Separate halves

1. Peel back plastic carefully.
2. Remove the two halves and the bottle carefully.
3. Replace your divots (they will grow back into place)





Parts Back in Bags

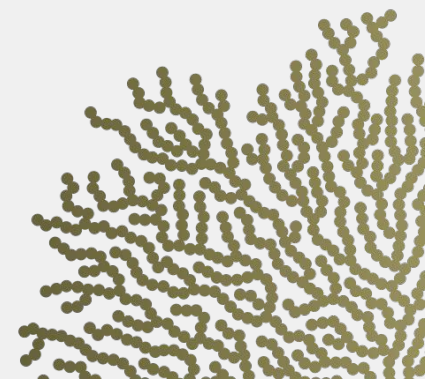
1. Place halves back into separate bags and thoroughly seal with tape.
2. Poke holes every 3 cm with a small tool into each bag.
3. Grow 4-5 days or until parts are uniformly white. Preferable a dark spot between 21-24 °C.





Remove from bag

1. The parts should be saturated with white mycelium.
2. Remove the parts from the bag environment.





Dry the product

How do you know if your product has dried enough? The best test is to measure the weight before and after. Mycelium substrate contains approximately 60% moisture, so the product should lose 50-60% of its initial weight.

A. For products with a thickness $> 2,5$ cm

- Place the product in the oven at $\pm 40^{\circ}$ C with the door a bit open so the moisture can escape for 3-4 hours.
- Bake off at 80° C for 2 hours

B. For products with a thickness $< 2,5$ cm

- Place the product in the oven at 80° C for 2-3 hours.



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Ready!

Want to know more?

www.grown.bio

