

**HOW TO CONSTRUCT A SNAIL PEN/FARM USING MORE EcoBricks.**

**Step 1: Size and Location:**

Choose the proper size you will need based on the number of snails you plan to harvest in a year. For every 100 snails you will need 15 square feet of ground and wall area inside the pen. You will need a completely closed pen system with screened flip up tops. The pen walls should be at least 30 inches high off the ground.

The land area needed depends on the size of the system. The snail system can be designed to take advantage of narrow areas that are unusable for other purposes. Snails require humidity between 80-90%. Snails like a warm space but not too hot between 25 and 30 degrees Celsius. This is best be accomplished in a well shaded area and X utilizing existing block wall.



**Marking the ground**



**Laying the EcoBrick walls**



**Measure to confirm size**



**Level the**

**Ecobricks**



**Raise EcoBricks walls to 30 inches tall as shown**



**Skin coat the EcoBricks walls with cement mortar**

## **Step 2: Preparing the Ground and Foundation.**

With this model you need a ground area of 7 feet X 30 feet of land. 7feet is is the distance between the existing building wall and the outside wall of the compound. The pen area will be 30 inches deep and 36 inches wide. The 30-foot length is divided into 5 zones of 6 feet long each. The depth of the cement foundation should be one foot wide and 2 inches deep in the ground for the three Ecobrick walls in this model.



Continue the layers of EcoBricks for the snail pen.



Ecobricks to 30 inches level

Form the roofing trusses as shown

### Step 3: Flip up covers for pen system.

Build wood frames as shown. Screened system covers provide shade and proper ventilation. Set wood strips in cement on top of the wall which will serve as a flat support for the screened frame.



**Build the wooden screen lid for the top of snail pen for ventilation**

#### **Step 4: Sun blocking.**

A total sun blocking roof is needed to keep the snails from overheating. In this model you will have a shaded area 8 Feet wide providing total shade all day. Built directly over the Snail Pens about 6.5 feet high is the best for snail growth.



**Build the sun block with galvanize roofing sheets**



**Fresh harvested snail as shown.**

## STEP 5: FEEDING AND CARING FOR YOUR SNAILS:

Snails require old fruit and vegetables for food. You need to feed them once a day in the evening since they eat at night. Start with mother snails and it will take 3 weeks to 4 weeks to for them to grow to maturity. Most consumers prefer mature snails for the meat but smaller snails are considered X some to be the better tasting.



Feed the snails with vegetables and fruit everyday



Feed the snails with calcium powder for a stronger shell as shown.



You will need 2,400 MORE EcoBricks and four bags of cement to Construct 7 feet X 30 snail pens. BETWEEN THE ROWS OF ECOBRICKS LAYDOWN A LAYER OF CEMENT AND KEEP STACKING UNTIL YOU REACH 30 INCHES HIGH. A thin bed of cement BETWEEN LAYERS IS ALL THAT IS NEEDED. Lay EcoBricks in rows side X side and butter between each row with a thin layer of cement. Keep layering rows until a height of 2.5 feet above ground level is achieved. A roll of mosquito net for ventilation is stapled to a WOOD FRAME YOU WILL BUILT TO COVER THE PENS.



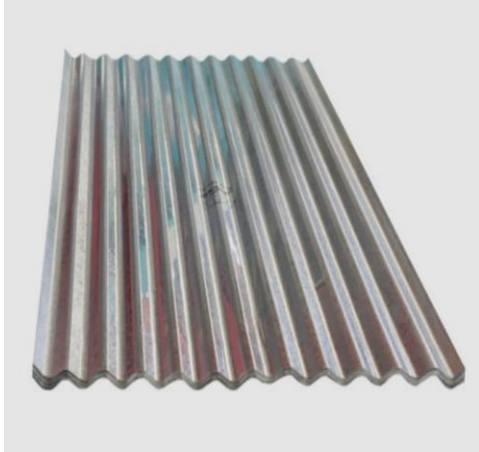
4 bags of 50kg cement



20 pieces of 2 X 4 Woods



4 feet X 100 feet netting



**4 feet wide x 8 feet long galvanized  
nails  
roofing sheet**



**5 pounds of 4 inches**

### **MATERIAL LIST FOR BUILDING SNAIL PEN AND PRICES IN 2023**

- 1. Cement 4 BAGS**
- 2. Ecobricks 2400 PICES**
- 3. Woods 20 PIECES OF 2 X 4**
- 4. 1 Roll of 4 FEET X 100 FEET Mosquito net**
- 5. Nails 5 POUNDS**
- 6. GALVANIZE ROOFING SHEET 10 PIECES**



**50 plastic sachet bags packed into one 500 ml Bottle is one EcoBrick**