

## Build Your Own Sieves and Cores

### To Build Sieves

Equipment needed (can be found at any hardware store):

- 6-quart clear plastic boxes: quantity 10
- heavy duty scissors: to cut the plastic boxes
- small hack saw: to cut the plastic boxes
- 1/4 inch hardware cloth: metal mesh
- 1/8 inch hardware cloth: metal mesh
- wire cutters: to cut the hardware cloth
- Pop-rivet gun
- 100 aluminum rivets (1/8", 3 mm)
- 100 aluminum washers (1/8", 3 mm)
- small power drill with 9/64" drill bit



Safety goggles should be worn when cutting the mesh and the plastic boxes. Remove the bottoms of the plastic boxes.

To do this, use the heavy duty scissors to punch a hole in the bottom of each box. Then use the scissors and small hack saw to cut out the bottom of each box. A piece of

hardware cloth will replace the plastic bottom of the box. Cut the hardware cloth so that it is larger than the hole in the box. It should be placed on the inside of the box and the sides folded so they rest against the sides of the box. Drill two holes on each side of the box. Each hole should be placed so a rivet can pass through the box and the mesh. Insert a rivet into one of the holes. Push the rivet through the box and the mesh. Hold a washer on the inside of the box and use the pop-rivet gun push the rivet through the washer. The washer holds the mesh in place. Five boxes should have the small mesh and the other five should have the large mesh placed inside them.

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### To Build Cores



Equipment needed:

- 6" pvc (thin-walled) from irrigation store (not available at Home Depot etc.). Cut into 2-ft. lengths
- 1 1/4" hole saw
- 1" regular pvc for handles – cut into pieces 14.5" long
- Dremel
- Screws
- Screwdriver
- Drill

Cut 6" pvc into 2 lengths. Cut 1" pvc into pieces approximately 14.5 inches in length. Use hole saw to make 2 holes exactly opposite each other. The top of each hole should be 2 inches from the top of the 6" pvc. Wear down the inside of the holes using the dremmel to make them a little bigger. Otherwise the handles won't fit through the holes. Drill 2 holes (for screws) into the 1" pvc. Holes should be in the center of the handle, about 2 inches apart. Pass handle through the core. Put screws into holes of handle to hold the handle in place.