

DIY IRRIGATION BUCKETS – EQUIPMENT REQUIRED

Double bucket – “self-watering” SIP

- Outer/Water bucket – four drainage holes at sides, level with just below inner bucket’s bottom when stacked
- Inner/Planting bucket – large hole for solo cup, small hole for PVC tube, two zip tie holes, drainage holes across bottom
- Solo Cup (16oz. usually works well)
- PVC pipe (notched) – tall enough to stick up at least 1” above combined height of stacked buckets (need saw)
- Zip tie
- Optional – plastic to cover the surface of the planting bucket

Olla filler bucket

- Bucket – one hole* for each olla to be fed by bucket (~4) about 1” above bottom
- ¼” tubing – length based on anticipated reach to each olla plus ~3” each tube
- Recommended – Lid
- Recommended – Stone(s) – one for inside the bucket and one for on top of the lid if one is used
- Optional – goof plug or drip irrigation shutoff valve(s) to facilitate using fewer lines than initially installed

Drip irrigation bucket – Style A – with emitter

- Bucket with one hole* for each length of tubing planned (~1-2) about 1” above bottom
- ¼” tubing – 40” in length for each hole in the bucket (or length as desired)
- Emitter and stake – one for each hole/tube (this may be one combined part or two separate parts)
- Recommended – Lid
- Recommended – Stone(s) – one for inside the bucket and one for on top of the lid if one is used
- Optional – drip irrigation shutoff valve(s) to facilitate using fewer lines than initially installed

Drip irrigation bucket – Style B – with “hose-pinch valve” / “trickle valve” (Visit <http://bucketirrigation.com/> for a kit.)

- Bucket with one hole* for each length of tubing planned (~1-2) about 1” above bottom
- ¼”ID-3/8thOD tubing – 40” in length for each hole in the bucket (or length as desired)
- Make a small hole ~2” from one end of each tube to hold the hose-pinch valve
- Hose-pinch valve components (wingnut, 2 washers, ~1.5” #6 machine screw-preferably with wingnut head)
- Recommended – Lid
- Recommended – Stone(s) – one for inside the bucket and one for on top of the lid if one is used
- Optional – hose-barb fitting/washer/nut to connect to the bucket rather than direct ‘hose to hole’ connection

Drill Bits needed

Double buckets:

- 3” hole saw for solo cup (alternatively use small drill bit to make holes in circle then cut the piece with a knife)
- 1 3/8” bit for the PVC pipe – OD of the 1” pipe (use spade/paddle bit or hole saw or step drill bit)
- Bit large enough for the zip tie to pass through the hole (different ties have different widths – e.g., 3/16”)
- 3/16” (to ¼”) bit to drill the drainage holes in both inner and outer buckets

Olla filler bucket:

- 7/32” bit (* or 1/64” to 1/32” smaller than OD of tubing)

Drip irrigation bucket – Style A:

- 7/32” bit (* or 1/64” to 1/32” smaller than OD of tubing)

Drip irrigation bucket – Style B

- If direct ‘hose to hole’ connection: 11/32” bit (* or 1/64” to 1/32” smaller than OD of tubing)
- If hose-barb fitting is used, a bit of appropriate size for the male NPT side to dig hole in side of bucket (e.g., ½”)
- 9/64” bit (or same size as hose-pinch valve screw - #6) to place hole in each tube for the screw to go thru

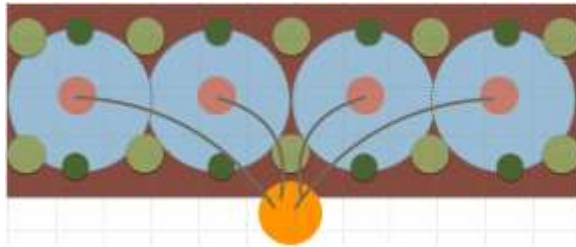
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Double Buckets

5 gallon round &
4 gallon square



Olla Filler Bucket



Drip Irrigation Bucket – Style A – With Emitter



Drip Irrigation Bucket – Style B – With “Trickle Valve” and Hose-Barb Fitting Connection

Visit Herrick Kimball's <http://whizbangbooks.com/>
blog, or <http://bucketirrigation.com/> for a kit.

