

Garden Low Tunnel Season Extender

3' wide x 4' tall x 10' low tunnel

Video at: www.hoopbenders.net

Materials Needed- adjust quantities as needed

- 5 Conduit/EMT pipe- 10' length, 1/2" or 3/4" diameter
- 10 1' rebar – optional (if using, need to have 3/4" conduit)
- Marker
- Tape measure
- 4 cross clamps (may need to buy online)
- 4 self-tapping screws
- 24' x 10'+ Row cover and/or UV stabilized 6ml plastic (greenhouse plastic)
- 10 Snap clamps (1/2" or 3/4" depending on conduit)

Bending Instructions

1. On just 4 pieces of pipe, use a marker and tape measure to mark 30" from each end of the pipe and at 5'.
2. Slide pipe up through bracket A to the first 30" mark. (This will give you 30" sticking out straight from the bracket on the end of your pipe to form the tall sides of your hoop.)
3. Bend pipe around bender till it touches holding bracket B. ***Make sure pipe stays level with the table throughout bending.***
4. Slide the pipe through holding bracket A about 6" or until the curve stops the motion, then bend again to bracket B. Repeat till you reach the 5' mark. ***Make sure pipe stays level with the table throughout bending.***
5. Take pipe out and repeat the entire process with the other side of the pipe.

Building Instructions

1. Put hoops into ground, 2-3' between hoops. If using rebar, pound rebar 6" into ground on either side of a hoop. Set hoops over the rebar. If not using rebar, dig ends of electric conduit 6" into ground.
2. Push 1 cross clamp onto the top of each hoop.
3. Lay straight pipe (as a purlin) along clamps and push/clamp in.
4. Lay row cover or plastic evenly over hoops.
5. Use snap clamps to tightly attach row cover/plastic to hoops (at least 5 per side of tunnel).
6. Gather the plastic/row cover at either end and pull tight under a rock or attach rope to the end and tie to another piece of rebar. This is to provide some tension on the system.
7. Insert and tighten 1 self-tapping screw where the straight pipe/purlin meets each hoop to keep hoops from sliding.

