

THE NETBRELLA Company, LLC

5758 Rustic Knolls Dr., Boulder, Colorado 80301, USA
 Tel. 303-527-0344 Fax 303-527-0758 email, ray@netbrellakit.com

The NETBRELLA™ System is supplied in two sizes: Model 7 for trees up to 7 feet high and Model 10 for trees up to 10 feet high.

Materials Supplied in Netbrella™ Kit:	Model 7	Model 10
A. Standard ¾" PVC tee	7	8
B. Top of ¾" tee drilled through	2	0
C. Cross, drilled part way through	0	1
D. Cross, drilled all way through	0	1
E. Reducer, 1" to ¾" PVC pipe	0	1

Stacked center tees and crosses are illustrated in Figure 1, as they should be assembled.

Materials to be Purchased Locally and Cut to Fit:

- ¾" PVC or steel pipe for model 7 and Model 10, see Step 2
- 1" PVC or 1" or ¾" steel pipe for model 10, see Step 2
- ¾" Polyethylene sprinkler pipe, 100 psi rating, see Step 3
- ¾" Slip coupler for sprinkler pipe, see Step 3
- PVC pipe cement and screw clamps, optional, if permanent assembly is desired or if wind gusts are anticipated. Steel pipe or steel conduit can be used instead of PVC for a stronger, stiffer vertical post.

Assembly Instructions:

1. Measure diameter and height of tree to be netted. The net should be at least the sum of diameter and two times the height, e.g. a tree 7 feet diameter and 6 feet high should have a net at least $7+6+6=19$ feet on each side.

2. Cut PVC pipe into sections which will become pole and spokes:

	Model 7	Model 10
One piece the height of the tree (center pole)	¾" PVC or steel pipe	1" PVC or ¾" steel pipe
Spokes, the radius of the tree less 1 inch each	6 each ¾" PVC pipe	8 each ¾" PVC pipe

3. Cut Polyethylene sprinkler pipe to length equal to diameter of tree times 3.14, e.g. $7 \times 3.14 = 22$ feet; $10 \times 3.14 = 31.4$ feet.

4. Slip PVC tees onto the sprinkler pipe (6 for model 7, 8 for model 10). Make a hoop of the sprinkler pipe by joining its ends with the slip coupler and clamps (recommended). Push the coupler in place strongly. Lay this flat for assembly in step #5. Move tees to be equally spaced around the ring.

5. Assemble a wheel (top side down) by slipping the radial spokes of PVC pipe into the tees or crosses (six spokes for Model 7, eight spokes for Model 10). Make the hub of model 7 with one standard tee facing upward, followed by two PVC tees (drilled through, Figure 1A). Make the hub of Model 10 with two crosses (Figure 1B), starting with the cross that is partially drilled, with its hole now facing upward. Attach spokes to the tees or crosses and to the tees on the hoop.

6. At a location separate from the wheel, fold the netting into 1/3-sections as shown in Figure 2. Wire ties can be used to mark the 1/3 points.

7. Place the wheel in the center of the folded net and attach the polyethylene pipe to the closest layer of the netting with wire ties at four or more equidistant locations. Be careful to tie only one layer of the net to the wheel. A temporary wire tie can hold all three layers to the hoop while lifting the assembly, to be removed once the pole is in place.

8. For Model 10, cut a piece of ¾" PVC pipe 4" long and attach it to the long pipe with the reducer, part E, or use ¾" steel pipe or conduit for the pole inserted into the two crosses.

9. Insert the long PVC or steel pipe into the three tees (model 7) or into the two crosses (model 10) at the center of the wheel.

10. Lift the pole and netting and carry it to the tree with one “train” of netting at your left and one “train” on your right.
11. Place the pole of the NETBRELLA™ at the center of the tree and tie it to the trunk or branches of the tree in at least two locations, spaced vertically as much as the tree geometry will allow. A clove hitch or double loop around the pole will help to keep it in position.
12. Unfold each third of the netting from over the tree (removing the temporary wire ties if used) and anchor the bottom of the netting. The netting may be tied around the trunk of the tree or it may be held down to the ground with rocks or with ground staples or wire tent pegs.

The Harvest

Fruit can be picked by stepping within the “veil” of the netting or by removing the netting. Two sides of the net can be folded onto the top of the NETBRELLA™ before removing it from the tree using a ladder for this access if needed. The net is easily removed from the tree by untying the pole from the trunk, lifting the pole, and walking away from the tree with the pole, with the two “trains” to left and right. The NETBRELLA™ can be transferred directly from a cherry tree to a peach or plum tree for double duty.

After the Harvest

With the NETBRELLA™ upside down, the pole can be removed and the net can be untied from the polyethylene hoop. The net can now be spread out and can be re-folded into 1/3 sections or 1/6 sections to be ready for assembly the next year. The net can be rolled up onto a bundle of PVC spokes and tied for storage. The “wheel” can be kept intact or can be disassembled according to available storage space.



A. Stack of two drilled tees and one standard tee, stacked and rotated 60° with pole in place



B. Stack of crosses. Partially drilled and through-drilled cross, rotated 45° ready for placement of pole

Figure 1, Standard tees go on the perimeter pipe. Two drilled tees are stacked at the center for Model 7 NETBRELLA™, rotated 60° from one another with one standard tee ending up on top. Drilled crosses are stacked at the center for Model 10 NETBRELLA™, rotated 45° from one another. Photos show assembly in the upside-down position while net is on the ground, but without radial pipes in place.

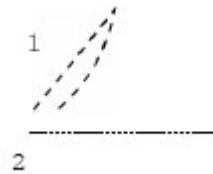
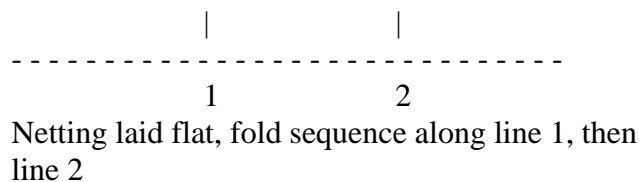


Figure 2, Folding sequence for Netting

CAUTION: Do not allow a power mower or trimmer to come near the netting lest it become entangled and try to tear down the tree or tear the mower from your hands

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Ray L. Hauser

Ray Hauser, Inventor

