



# **Irrigation Instructions**

**BASE IRRIGATION KIT**

**BERRY ADD-ON KIT**

**TREE ADD-ON KIT**

**BUTTON EMITTER KIT**

**(See catalogue page 65)**

# BASE IRRIGATION KIT 737-1101 \$34.95 EACH

To ensure trouble free watering, start at your faucet with these components. Contains one 15psi pressure regulator, one mesh screen filter and one back-flow valve. This is the base irrigation kit to be used with the Berry Add-on Kit and Tree Add-on Kit.

## PART LIST



### PART #1A - VACUUM BREAKER (1)

A vacuum breaker to prevent any irrigation water to backflow into your system.



### PART #1B - GARDEN HOSE FILTER (1)

Filters any sand sediments or rust etc. so you have no plugged irrigation systems.



### PART #1C - PRESSURE REGULATOR (1)

Regulates your entire system to 15psi to prevent any high pressure blow outs.



## DIRECTIONS

Fasten the complete kit (see picture on right) to your water source. The threads are compatible with any hydrant or traditional garden hose taps.

*Please Note:*

1. Always prevent this kit from freezing.
2. Clean out filter screen after every 3rd use.

## CLEANING THE FILTER

1. Remove entire kit from your water source to reduce the risk of broken components.
2. Remove filter body by turning main body canister counter clockwise as shown.
3. Be careful to not lose any O-rings.
4. Remove screen from body canister.
5. Brush inside and outside of screen with a brush (toothbrush) under running water.
6. Re-assemble.



# BERRY ADD-ON KIT 737-1102 \$74.95 EACH

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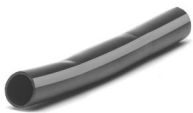
Ideal for short rows of closely spaced plants such as raspberries or strawberries which really benefit from regular watering. Contains 100' of Drip-in tubing as well as the fittings you'll need. Includes lay-out and assembly instruction. Comes with 100' of Drip-In (built in water emitters spaced at 18" emitting 2 litres of water/hr/emitter) Tubing to lay at the base of your shrubs, canes or trees. This hose can be cut to length with any hose cutters or heavy duty scissors.

1. Using the **Black Plastic Stakes**, secure the tubing to the ground with blue stripe turned up. Space the stakes at approximately 5' apart.
2. Go to the end of your **Drip-In Tube** that you intend to connect to your water source.
3. Pick one **Drip-In Tube X Garden Hose Connector**.
4. Find the end with a Barb and Nut (Reference #1) and turn the nut counter-clockwise against the octagon shaped body. (See Reference #1)
5. Force the **Drip-In Tubing** over the exposed barb and into the neck of the nut.
6. When completely inserted, hold **Drip-In Tubing** firmly in place and thread nut clockwise over top of **Drip-In Tubing** until tight. If you have two rows of plants, repeat this process on the second line.
7. Find the **Drip-In Tube Valves** in your kit.
8. Thread any one of the nuts against the main body.
9. Ensure the valve is open.
10. Fasten **Drip-In Tube Valves** to the far end of **Drip-In Tube** (both, if you have 2 lines).
11. Fasten one of the outlets on the **Garden Hose 2-Way** to the **Drip-In Tube X Garden Hose Connector**.
12. Repeat step 11 if you have two rows.
13. See Reference A for new planting set up and Reference B for mature plant add on.
14. Open the tap on your water source and let your system flush for 30 seconds.
15. Close all **Drip-In Tube Valves** and your system will pressurize and start irrigating.

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## PART LIST

**PART #2A**  
½" Drip-In Tube,  
18" sp.  
(100')



**PART #2B**  
Garden Hose  
2-Way  
(Qty 3)



**PART #2C**  
Drip-In X Garden  
Hose Connectors  
(Qty 4)



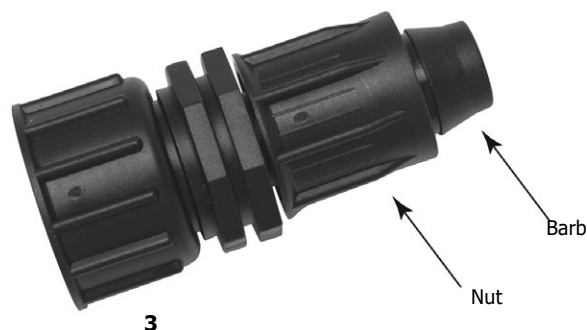
**PART #2D**  
Drip-In  
Tube Valves  
(Qty 4)



**PART #2E**  
Black  
Plastic Stakes  
(Qty 20)

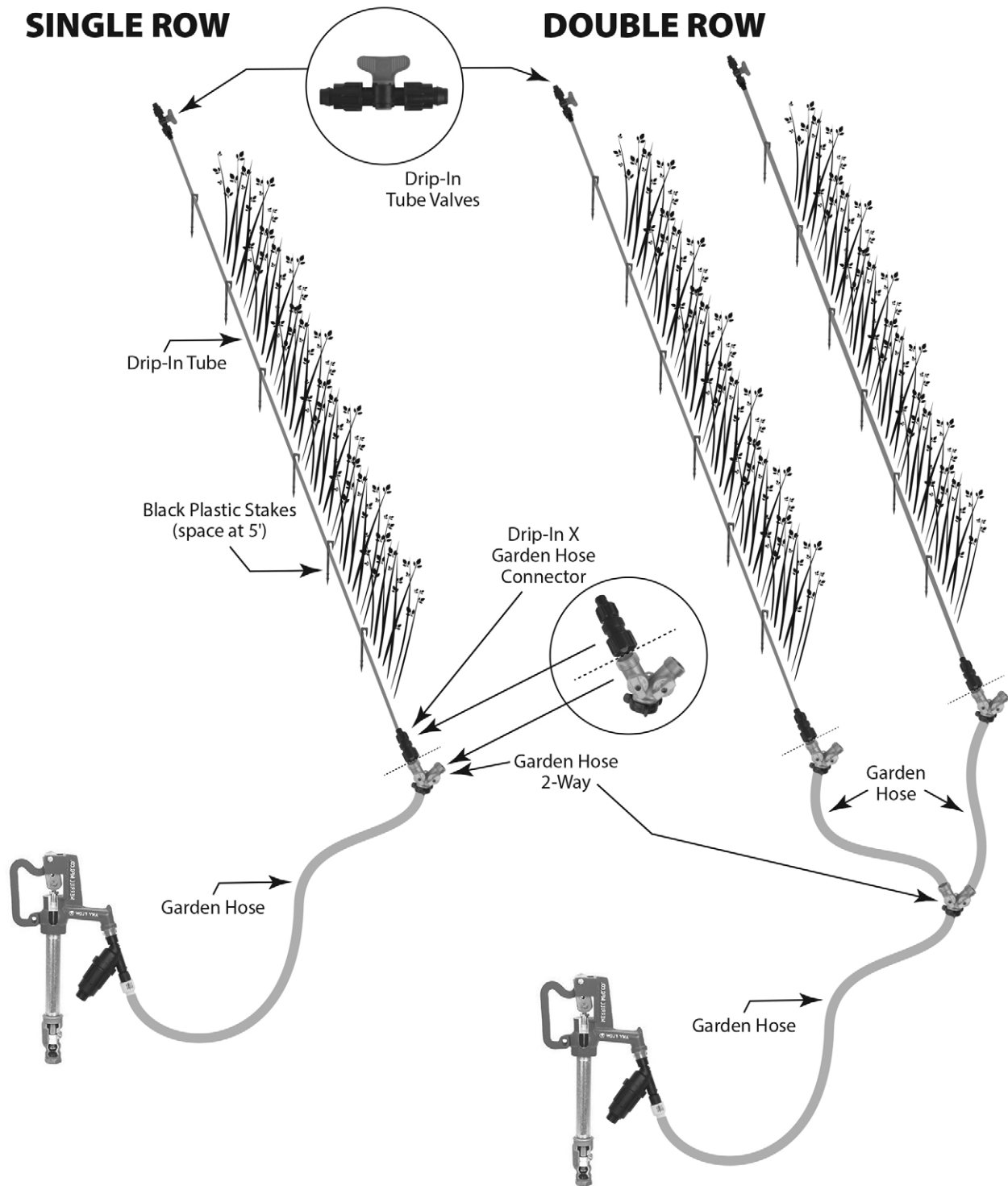


## REFERENCE #1



## REFERENCE A

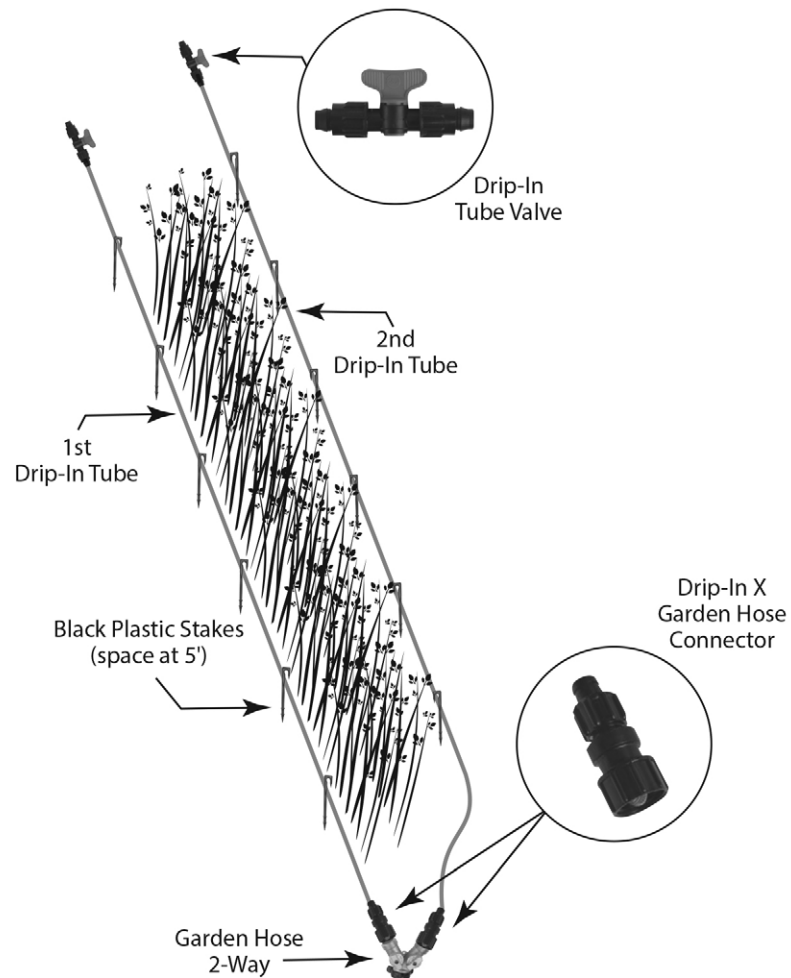
### NEW PLANTING SETUP (Using BASE IRRIGATION KIT and BERRY ADD-ON KIT)



## REFERENCE B

### MATURE PLANT ADD ON (Using **BASE IRRIGATION KIT** and **BERRY ADD-ON KIT**)

This feature is very beneficial for crops such as raspberries that widen out in the row as they mature. This add on option now allows you to run a tubing on both sides (or in the row) for better coverage.



# TREE ADD-ON KIT 737-1103 \$64.95 EACH

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With this kit you can run an irrigation line along a row of trees or shrubs. Contains 100' of Blank Orchard tubing and the necessary fittings. Also includes a hole punch and 20 button emitters allowing you to tailor your layout to any tree spacing. Layout and assembly instructions included.

Comes with 100' of Supply Line to lay at the base of your tree row. This hose can be cut to length with any hose cutters or heavy duty scissors.

1. Using the **Black Plastic Stakes**, secure the tubing to the ground with blue stripe turned up. Space the stakes at approximately 5' apart. Ensure no stakes are within 18" of any tree.
2. Take the **Red Plastic Hole Punch** and measure 12" away from either side of the tree on the blue line of your supply tube.
3. Apply pressure on either side of your **Supply Tube** with your thumb and fore finger.
4. Firmly press the tip of the **Red Plastic Hole Punch** onto the blue stripe and rotate the tool left and right until you see and feel the tip popping through only the one side of the tube.
5. Click in one **Green Button Emitter** using the green pointed side.
6. Repeat this process on either side of every tree.
7. Go to the end of your **Supply Line** that you intend to connect to your water source.
8. Pick one **Supply Line X Garden Hose Connector**.
9. Find the end with a barb and nut (see Reference #1) and turn the nut against the octagon shaped body.
10. Force the **Supply Tubing** over the exposed barb and into the neck of the nut.
11. When completely inserted, hold **Supply Tubing** firmly in place and thread nut over top of supply tube until tight. If you have two rows of trees, repeat this process on the second line.
12. Find the 2 **Supply Tube Valves** in your kit.
13. Thread any one of the nuts against the main body.
14. Ensure the valve is open.
15. Fasten **Supply Tube Valve** to the far end of **Supply Tube** (both, if you have 2 lines). If you are running a single supply tube, connect a garden hose between **Base Irrigation Kit** and **Supply Line X Garden Hose Connector**. See Diagram #2. If you are running 2 lines, see Diagram #1. Connect 1 garden hose between **Base Irrigation Kit** and the included **Garden Hose 2-Way**. Now connect one garden hose between each **Garden Hose 2-Way** outlet and each **Supply Line X Garden Hose Connector** or connect **Supply Line X Garden Hose Connector** directly to the **Garden Hose 2-Way**.
16. Open the tap on your water source and let your system flush for 30 seconds.
17. Close all **Supply Tube Valves** and your system will pressurize and start irrigating.

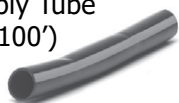
## MAINTENANCE

1. Always prevent your **Base Irrigation Kit** from freezing.
2. Flush out each supply line every 2 weeks by opening the **Supply Tube Valves**, one at a time for about 30 seconds while the system is pressurized.

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## PART LIST

**PART #3A**  
Supply Tube  
(100')



**PART #3B**  
Garden Hose  
2-Way  
(Qty 1)



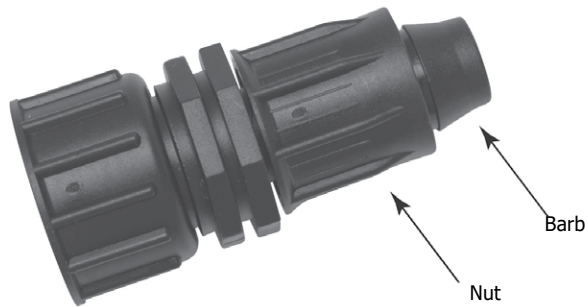
**PART #3C**  
Supply Line X Garden  
Hose Connector  
(Qty 2)



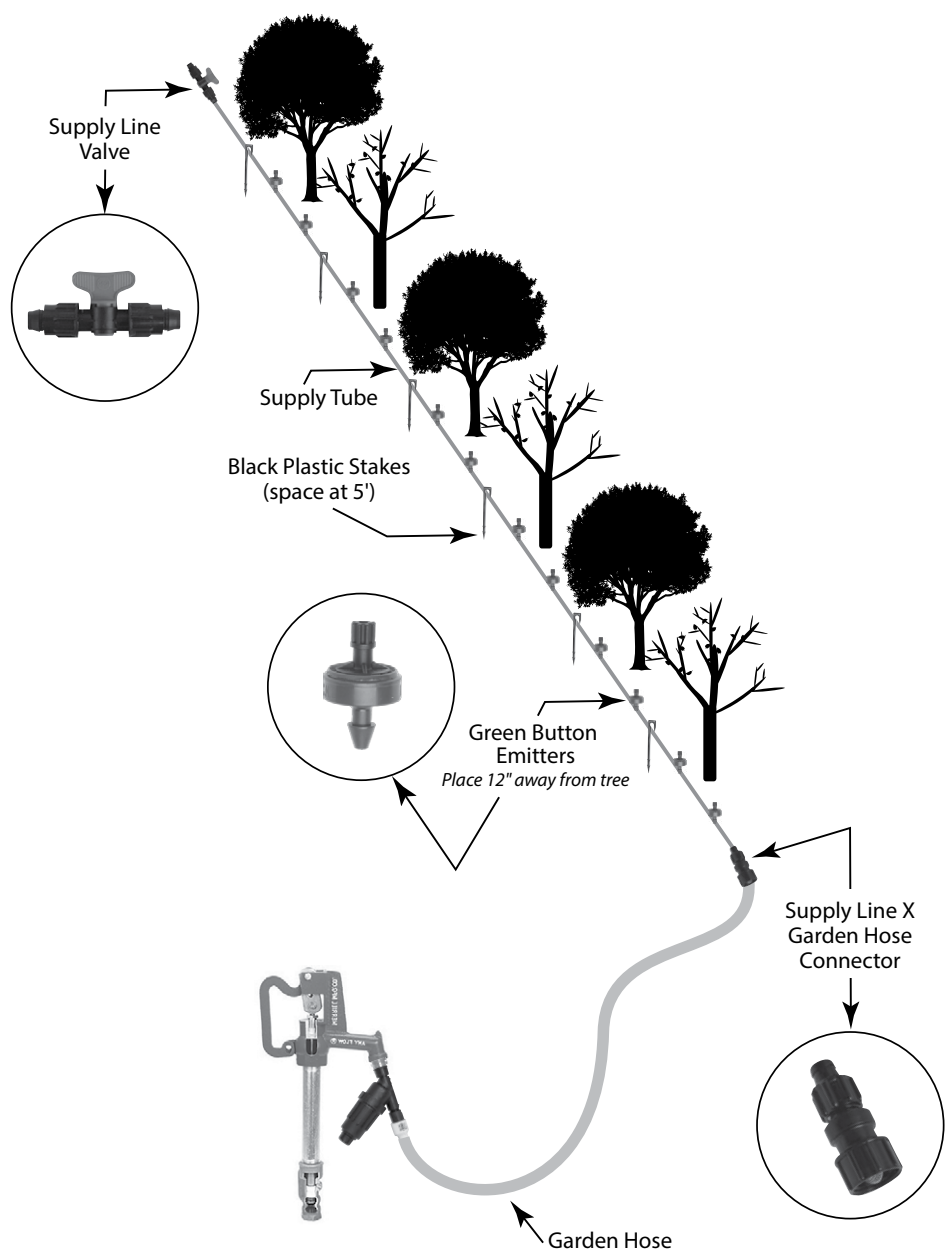
**PART #3D**  
Supply Tube Valve  
(for flushing and/or add on)  
(Qty 2)



**REFERENCE #1**



**DIAGRAM 1**  
**FOR 1 ROW APPLICATION (Using BASE**  
**IRRIGATION KIT and BERRY ADD-ON KIT)**



Please Note:  
Water should **drip** out of Green Button Emitters, not spray! Replace emitters that spray!


**PART #3E**  
Black Plastic Stakes  
(Qty 20)



**PART #3F**  
Red Plastic Hole Punch  
(Qty 1)



**PART #3G**  
Green Button Emitter  
(each emits 7.5 litres/hr)  
(Qty 20)

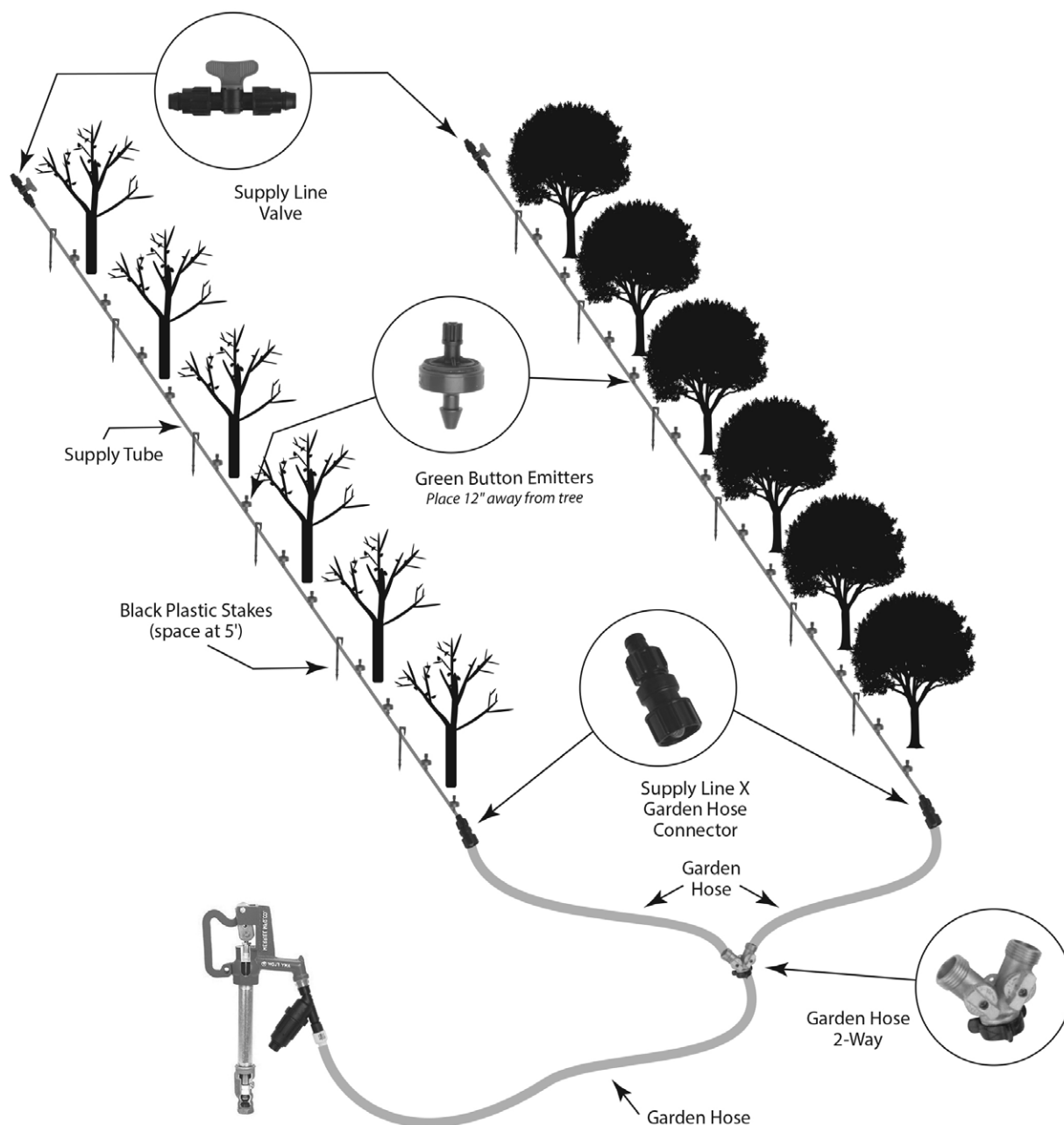


**PART #3H**  
Goof Plugs  
(to plug unwanted holes)  
(Qty 5)



## DIAGRAM 2

### FOR 2 ROW APPLICATION (Using BASE IRRIGATION KIT and BERRY ADD-ON KIT)



## BUTTON EMITTER KIT 737-1104 \$14.95 EACH

This gives you an extra 20 button emitters and a hole punch so you can adapt the Tree Add-on Kit to closer spacing for plants such as haskaps, aronias, etc.

**PART #3F**  
Red Plastic  
Hole Punch  
(Qty 1)



**PART #3G**  
Green Button Emitter  
(each emits 7.5 litres/hr)  
(Qty 20)

