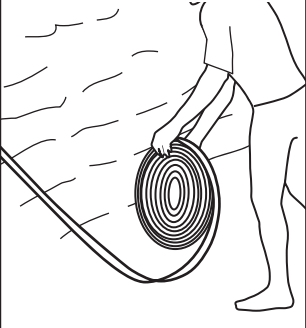
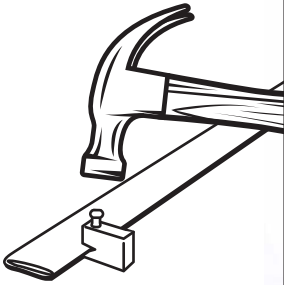

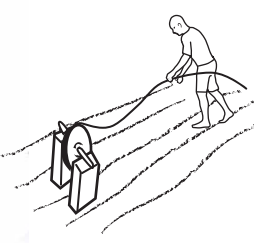
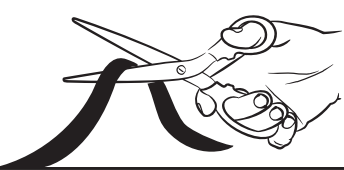
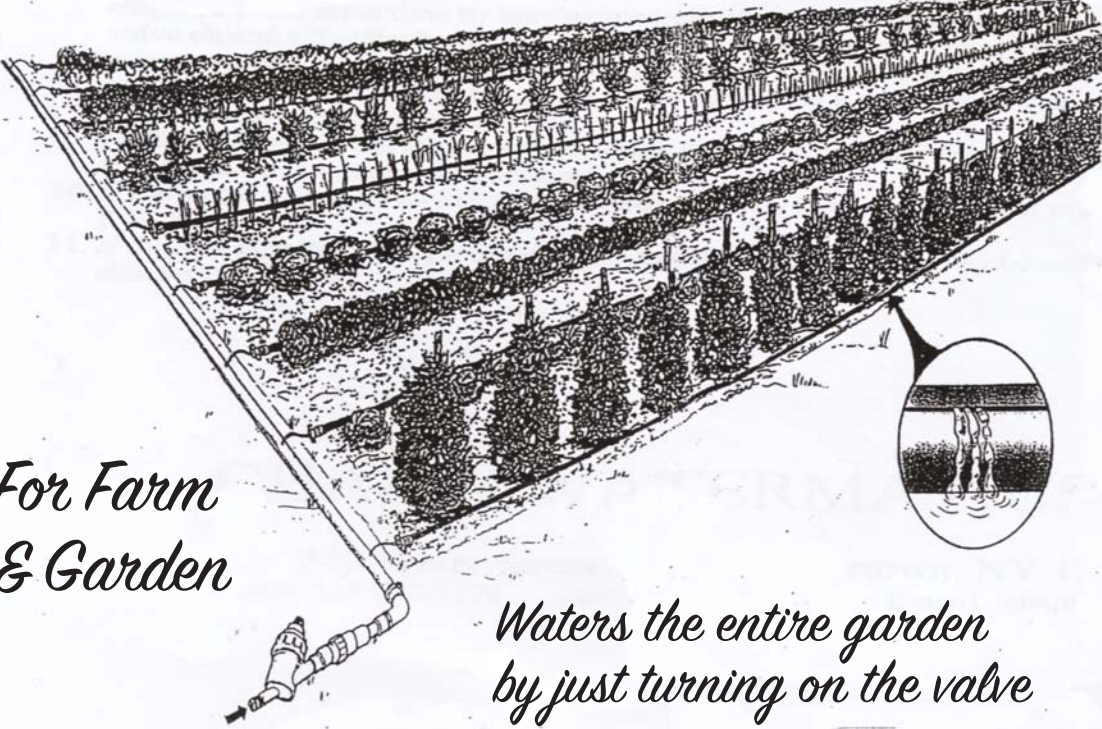
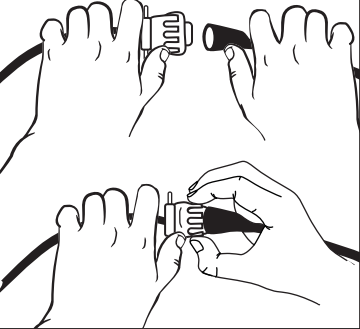
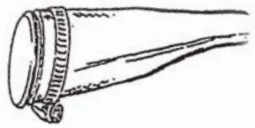
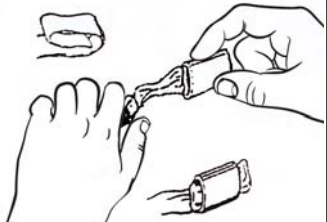


1/4 Acre Garden Drip Irrigation Kit

Complete with Filter, Pressure Regulator, Fittings,
Header, and 2,000' of Irrigation Hose

Waters 20 100' long rows, Low Flow: requires 10 gallons/minute

• *Eliminates soil compaction and erosion* • *Eliminates damage to blooms by overhead spray* • *Eliminates spread of disease by overhead spray* • *Saves water while still providing ample moisture in dry weather*

1 Unroll header hose along the end of the rows. 	2 Punch one hole into header hose at end of each row. 	3 Insert a connecting tube into each hole 	4 Unroll one irrigation hose along the full length of each row. 	5 Cut irrigation hose so it extends from the header hose to the other end of the row. 
				6 Push end of irrigation hose onto lock fitting and tighten. 
				7 Flush header hose and close off end with end cap and clamp. 
				8 Fold two inches of irrigation hose over twice, fold lengthwise and slip into end closer. 

For Farm & Garden

Waters the entire garden by just turning on the valve

CHAPIN LIVING WATERS

364 N. Colorado Ave.,
Watertown NY 13601 USA

Phone: 315-788-0891

info@ChapinLivingWaters.org

www.ChapinLivingWaters.org

1/4 Acre Garden Drip Irrigation Kit

This kit is designed for water drawn from a domestic source or well. If water is being pumped from a pond or stream, or if there is algae or iron in the water, it may be necessary to use a sand media filter and/or chlorine.

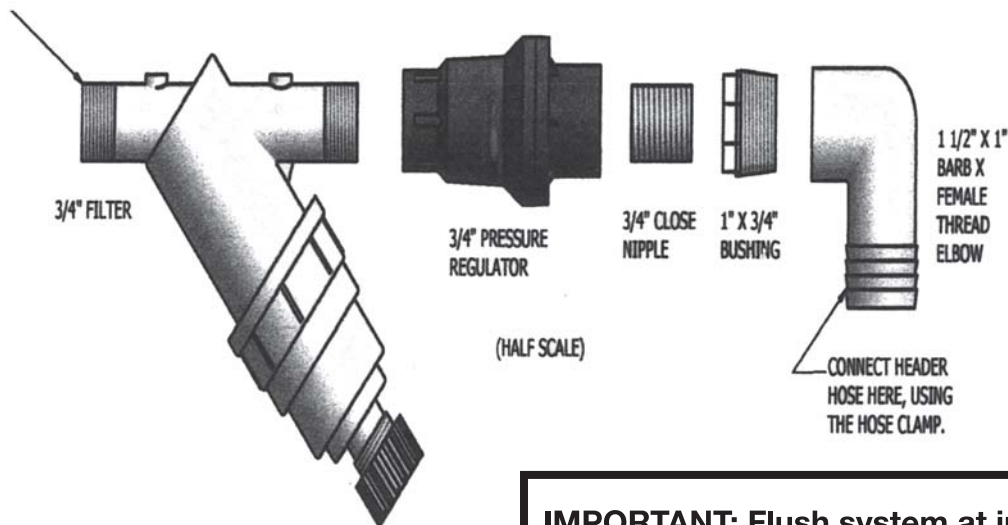
Contents:

1 filter/pressure Regulator Assembly	50 feet Header Hose
2,000 feet Irrigation Hose	2 Header Hose Clamps
20 Connecting Tubes	20 Lock Fittings
20 End Closers	1 Header Hose Punch
1 1 1/2" End Cap	1 roll Teflon Tape

Filter Pressure Regulator Assembly Instructions:

Assemble parts with all fittings located in the same direction as illustrated. Wrap each male thread with 2 or 3 turns of teflon tape (included in kit). Joints should be snug, but do not use excessive force. Excessive force will break the fittings!

Customer supplies a 3/4" polyethylene pipe and a 3/4" valve to this inlet



IMPORTANT: Flush system at installation! It is common for dirt particles to get into fittings and hose during installation. Follow these instructions to clean lines:

- 1) Before closing end of header hose, be sure to flush until clean water comes out.
- 2) Before closing end of irrigation hose, be sure to flush until clean water comes out.

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1/4 Acre Kits for:

1/8 Acre

with 2.5 feet (.75 meters)
between drip lines

1/4 Acre

with 5 feet (1.5 meters)
between drip lines

1/2 Acre

with 10 feet (3 meters)
between drip lines

1. Use on a level field with no more than 3 feet (.9 meters) slope per 200 foot (60 meters) row.
2. If there is a slope to the field, place the blue header hose along the high end so the drip lines run downhill.
3. Always install drip lines with outlets up.
4. Place the drip lines close to plant rows. If there are double rows of plants close together, the drip lines can be placed between the double rows.
5. Each 1/4 acre kit requires 10 gallons per minute at 10 PSI pressure. If less pressure is available, row length should be limited to 100 feet (30 meters). In this case, a 50 gallon barrel could be mounted 6 feet (1.8 meters) above the soil surface for a water supply, but this would only work well if the field is very level.
6. Several 1/4 acre kits can be used to irrigate a larger area by connecting them to a PVC main.
7. It is good to locate a valve at the beginning of each header hose so that each kit can be irrigated by itself.
8. If there are enough gallons of water available per minute, several 1/4 acre kits can be irrigated at the same time by leaving the individual valves on each kit open and turning the valve on and off at the beginning of the PVC main. For example: 40 gallons of water per minute would be enough to operate four 1/4 acre kits at the same time. If less water per minute is available, one or more kits could be used at the same time by using the individual valves at the beginning of each kit.
9. Each 1/4 acre kit has its own filter which should be checked regularly and flushed if there is an accumulation of sediment.
10. If the water supply is very dirty, it may be necessary to use a sand filter at the beginning of the PVC main.
11. If there is a considerable amount of algae in the water supply, it may be necessary to use a chlorine treatment.

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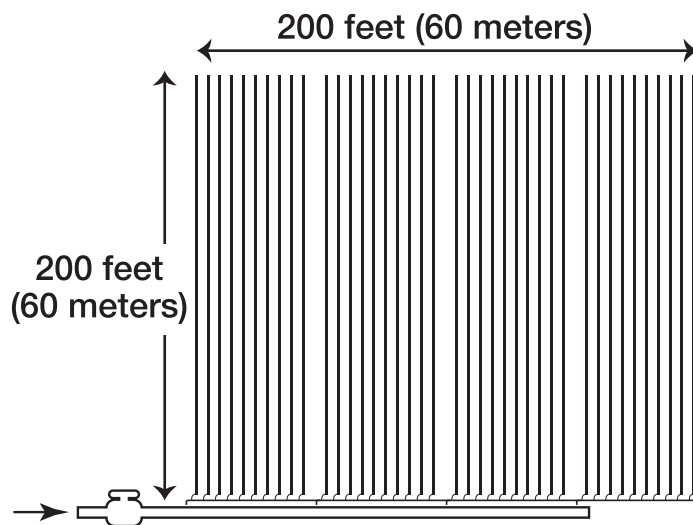
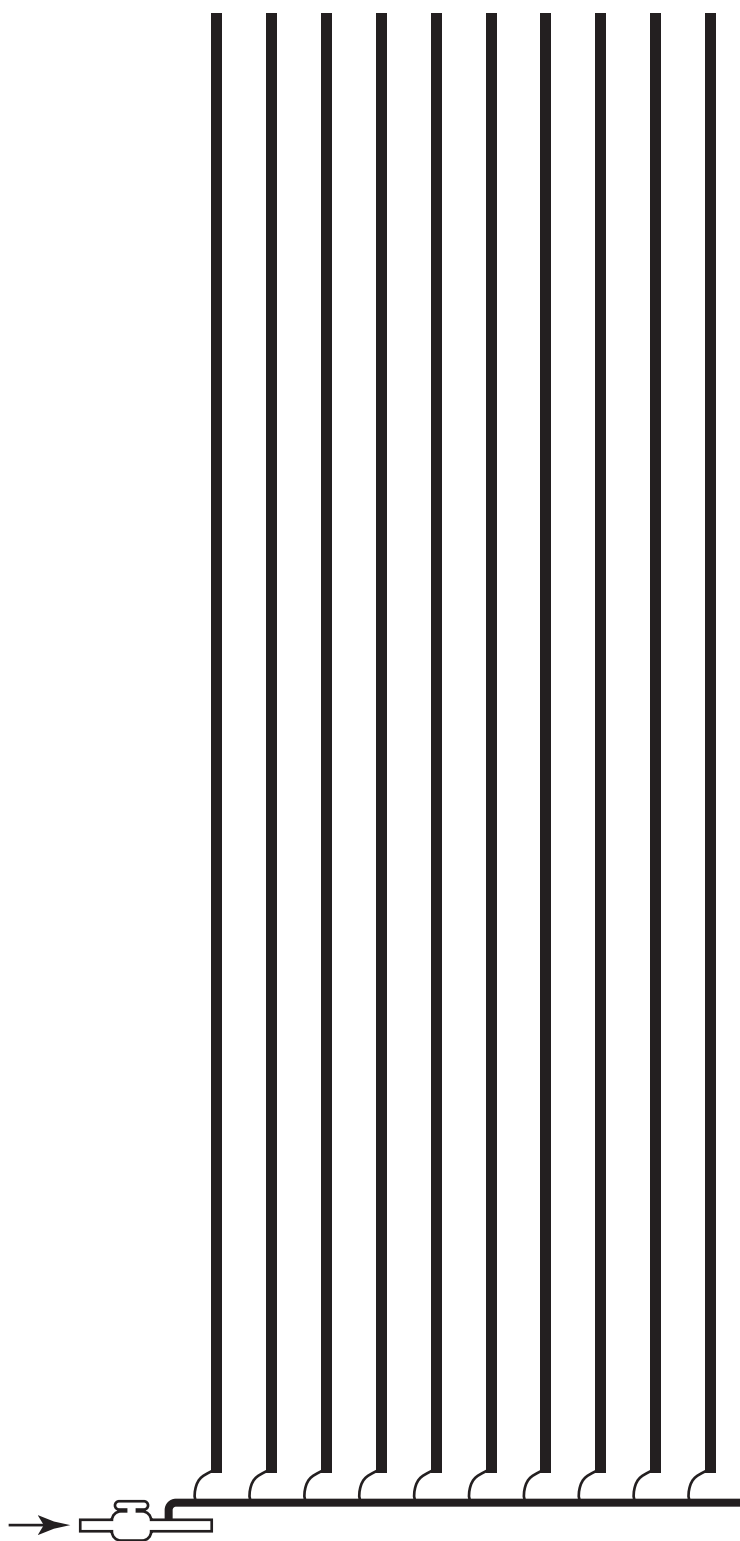
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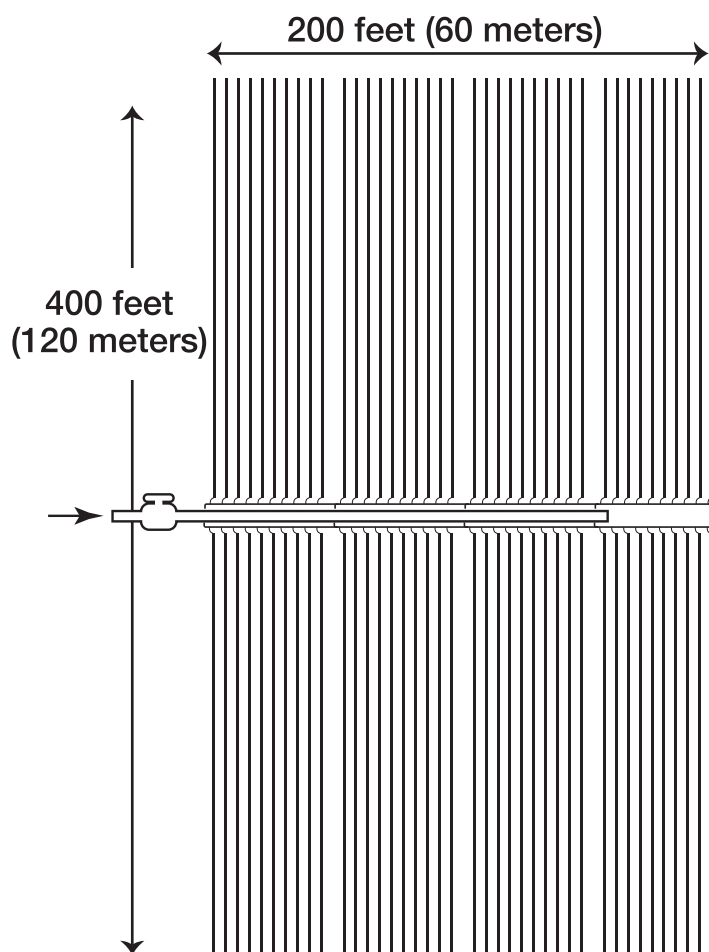
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1/4 Acre Kit
 10 rows x 200 feet (60 meters)
 with 5 feet (1.5 meters)
 between drip lines



1 Acre Layout
 Four 1/4 Acre Kits
 40 rows x 200 feet (60 meters)
 with 2 inch (5 cm) PVC main at one
 end of field for water supply



2 Acre Layout
 Eight 1/4 Acre Kits
 80 rows x 200 feet (60 meters) with 2
 inch (5 cm) PVC main through center
 of field for water supply

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