

The Pestigator

Irrigation Injection System

Easy to install Instructions

Installation

Step One: Sever the incoming water line providing water to your sprinkler system. Make this disconnect on the incoming end of the existing BACKFLOW PREVENTION VALVE. Before cutting the line it will be necessary to close the water valve that supplies the system.

Step Two: Remove the existing backflow prevention valve. It will no longer be needed as the Pestigator unit is equipped with a superior quality valve approved by all Water Supply Regulatory Agencies Nationwide. The new valve is proportioned in size to allow for minimum pressure loss within the existing irrigation system. The Pestigator's new valve is the very latest in backflow technology and is instrumental in satisfying any suggestion that contamination of potable water could occur when using the Pestigator. It is imperative that the old backflow valve is removed to insure adequate pressure levels needed to operate your irrigation system.

Step Three: Attach the IN pipe of the Pestigator to the severed incoming water supply pipe using the proper adapter bushings that will adjust the 1 1/2 inch size of the Pestigator pipe to that of your incoming water line. The INTAKE pipe of the Pestigator can easily be identified by the IN decal on the pipe or by the water flow arrow located on the side of the brass backflow prevention valve. Make sure all fittings are glued properly and are free from any dirt or debris prior to application of the cement used in gluing. Flushing the pipe of foreign debris is always a good idea.

Step Four: Attach the OUT pipe of the Pestigator to the remaining end of the severed water line. Use the proper bushing to create the correct fit. Make sure all fittings are glued properly and free from any dirt or debris prior to gluing. The Pestigator uses standard PVC Schedule 40 pipe and fittings. All are available at your local plumbing supply, hardware or Home Improvement store.

RELOCATING THE PESTIGATOR It is possible that a portion of the water line may have to be removed or the plumbing re-routed to accommodate the final preferred location of the Pestigator. The Pestigator can be placed at any location desired prior to the first water zone or sprinkler head. If relocation to a more desired location is required, a SPLICE joint must be installed at the location of the original Backflow prevention valve. The main irrigation supply line can then be relocated elsewhere. Following the above installation instructions you can install your Pestigator in the alternate area.

The Pestigator has a ON or OFF switch on the top of the Injection Pump. This position will determine the operation of the pump. In the OFF position the water will travel freely through the pump without activating the motor. When the Switch is in the ON position it will engage the injection pump and a clicking will occur. Each click represents an injection of MSC or Lawnsafe Liquid Soil Food into the water stream. The amount is adjusted by turning the adjustment neck at the bottom of the unit. Adjust the neck upward for minimum amounts of active ingredient delivery and down for maximum amounts. Range levels of 1000:1 to 4000:1 can be obtained with most Pestigator units. Example: 1 gallon of MSC or LawnSafe solution per 1000 gallons of water. The injection pump will click informing you that it is delivering solution into the water stream.

Step Five: Congratulations. You are now ready to start the Pestigator. Open the incoming water supply valve allowing water to enter the system. Open the hose bib located at the Pestigator pressure gauge and allow the trapped air in the system to escape. Allow water to flow from the faucet until the Pestigator is primed and the motor begins "clicking". Monitor the flow of the MSC Concentrate through the clear hose and into the neck of the Injection Motor. Allow the water to flow from the faucet until a noticeable change in the transparency of the outgoing water is apparent. At that time you will be able to detect a Cedar Aroma in the water. Close the faucet and the Pestigator is ready for use.

Setting the Irrigation Control Timer

Step Six: The Irrigation Control timer will have a "B" program often referred to as the Test Program. It will allow an agenda of irrigation for up to 2 minutes in specified areas or if desired, in all of the systems Watering Zones.

Program the Test Cycle of the controller to enter into a watering agenda at your preferred time or override the system with the proper activation called for on the face of the controller. Activate the valve on the top of the Pestigator Injection Motor to the on position. This will start the injection pump and treatment of the area will be regulated by the irrigation system controller. A one to two minute treatment of water influenced with MSC is all that is required for satisfactory insect control. It will be necessary to turn the valve off prior to the next watering cycle and again to on prior to the next programmed treatment of the area.

A Insect Free yard can easily be obtained without having a Automatic Irrigation System. The installation of one or more Impulse Sprinkler heads attached to piping in or on the ground, the fence, buildings or other structures can easily provide delivery of MSC through one or more sprinkler heads. Impulse heads can deliver a spray up to 45 foot in all directions or a 90 foot diameter area. Several sprinkler heads strategically located in your yard will deliver MSC to all or a large percentage of the area, more than enough treatment to control the insect population. Just install the Pestigator at any water source and attach the delivery lines to the OUT pipe of the system. Individual Sprinkler heads can be turned on and off manually by individual valves or by building a valve manifold.