

# PRODUCT WARRANTY INFORMATION



# GreenFeeder®

FERTILIZER & PEST CONTROL SYSTEM

# INSTALLATION/USER'S GUIDE

GREENFEEDER P1X USAGE RATE								
NOZZLES		FLOW RATE IN GALLONS PER MINUTE (GPM)						
		5	10	15	20	25	30	35
RED	Hours to Empty One Gallon	10	X	X	X	X	X	X
	Hours to Empty 2.5 Gallons	24	X	X	X	X	X	X
	Hours to Empty 5 Gallon Tank	48	X	X	X	X	X	X
BLUE	Hours to Empty One Gallon	20	7	5	3.5	3	2.5	2
	Hours to Empty 2.5 Gallons	50	19	12	9	7	6	5
	Hours to Empty 5 Gallon Tank	100	36	24	18	14	12	10
NONE	Hours to Empty One Gallon	0	24	14	10	8	6	5
	Hours to Empty 2.5 Gallons	0	60	36	33	19	15	13
	Hours to Empty 5 Gallon Tank	0	120	70	50	38	32	27

## WARRANTY & DISCLAIMER

Pro Products warrants to the initial purchaser of this product that it will be free from defect in material or workmanship under normal intended use for a period of one year from the date of purchase. This limited warranty is not transferable. This limited warranty does not include those parts which fall under standard regular maintenance of an irrigation system including as set forth in the Pro Products product instructions. The remedy under this limited warranty is limited to repair or replacement, at Pro Products, LLC option, of the defective parts of the warranted product. Repair or replacement of a part does not extend the warranty beyond the initial warranty period. This is the only warranty applicable to the product. To the fullest extent allowable by law, the duration of any implied warranty applicable to the product is limited to the one year duration of this express warranty.

\*GreenFeeder is designed to be used with chemicals produced by Pro Products, LLC. Any other chemicals used in the GreenFeeder will void the warranty.

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## CONTACT INFORMATION

Pro Products, LLC  
6714 Pointe Inverness Way, Suite 200  
Fort Wayne, IN 46804

EMAIL info@proproducts.com  
WEB www.proproducts.com

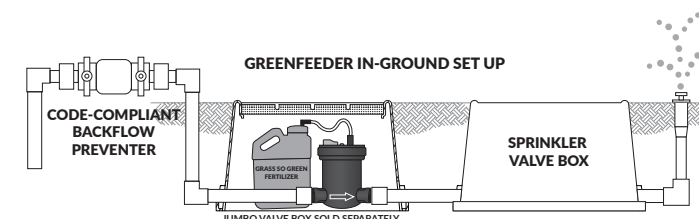
TOLL FREE 800.285.9176  
FAX 260.490.9431

## Preparing for Installation

Before installing the GreenFeeder, read all of the instructions carefully. It's a good idea to do a "dry run" installation (without cutting, applying glue, or assembling the tank), to be sure you understand the instructions before permanently attaching components. The device installs into a 1" line or adapts to a 3/4" line with the appropriate adapters (not included).

## Where to Install Your GreenFeeder

The GreenFeeder can be installed on either a pressurized or non pressurized line. To feed your entire landscape, install the device on the pressurized side of the line (mainline) after your backflow prevention device and before all valve boxes (or "T"s in the line). All areas of the landscape down-stream from the Pro Feeder will be fertilized and/or free from pests. To feed a specific area in your landscape, install the device on a non pressurized section after the valve. A code-compliant back flow prevention device is required on all installations. **Note:** For additional help on installation, please go to our web site at [www.proproducts.com](http://www.proproducts.com) and look under Contractor Education Center and scroll down to you see, How to install a GreenFeeder on irrigation.



**Note:** You may draw GrassSoGreen Fertilizer directly from the 1 gallon bottle. NatureShield 64 oz. 2X Concentrated Formula requires mixing with equal amounts of water.

## Installing the GreenFeeder®

Install the GreenFeeder in a Jumbo Valve Box to protect the device from the elements. Install in an area that is not likely to be flooded with water. Make sure to install the device so that there is enough room for the injector body and 1 gallon bottle of fertilizer.

### 1. Shut off the water supply

Tip: You may also want to manually open one valve to allow water to drain out of the line.

### 2. Dig the hole

Dig your hole between your back flow device and the sprinkler valve box for your system. Make sure the hole is big enough to accommodate a standard valve box.

### 3. Cut out a Section of Pipe

Cut out the minimum amount of pipe required to accommodate the adapters you have chosen to install into sprinkler system.

### 4. Insert the Injector Nozzle

The Injector Nozzle (Part B) controls the fertilizer injection rate. Install nozzle into the side of the injector base labeled "From Main" (Figure 1) see nozzle chart on page 3 to determine the appropriate nozzle for your application.

### 5. Apply Teflon Tape to Threads

Apply Teflon Tape to the threads on the injector base to minimize the potential of leaking. See (Figure 2). **NOTE:** Do not apply pipe dope.

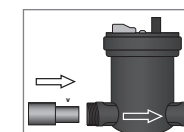


Figure 1: Insert a flow director



Figure 2: Apply Teflon Tape

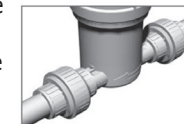


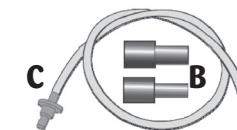
Figure 3: Typical Installation



Figure 4: Open the bottle cap and press the Blue quick connect into the opening on the bottle.

## In the Box:

- The following items are included in your box
- A. Injector & Body (black section)
- B. Injector Nozzles (1 Blue, 1 Red)
- C. Fertilizer retrieval hose with blue quick connect siphon
- D. Installation manual



## Additional Items Needed:

- The following items are not included but may be required.
- A Shovel
- Phillips Screwdriver
- PVC Cutter or Hack Saw
- PVC Primer and Glue
- Adaptors. For 1" PVC, we recommend that you purchase 1 THREADED PVC UNION (1" NPT) and 1 SLIP PVC UNION adapter (1" NPT) from the same manufacturer so that you can interchange the parts to create 2 complete union assemblies with one threaded side, and one slip side on each.
- Teflon® Pipe Tape
- Jumbo Valve Box (required to protect the device)

Optional accessories to maximize ease of mixing formulas and minimizing refill change overs.

**In-Ground Set Up:** 5GT, 5 gallon in-ground tank with connections or 5GT-JVB, 5 gallon tank with connections and Jumbo Valve Box.

**Above Ground Set Up:** GFB-5GT, 5 gallon black tank with connections.

## 6. Install the GreenFeeder Injector (A)

Using the adapters you purchased separately for your sprinkling system, install the GreenFeeder with the arrow pointing in the direction of the water flow. Allow any glued connections to dry before pressurizing. Make sure an injector nozzle (step 4) is present before proceeding or your device may not function properly. To facilitate future access to the Injector and fittings, LEAVE THE BASE OF THE INJECTOR EXPOSED.

## 7. Install Valve Box

Install valve box so that underside of lid clears the top of the GreenFeeder by at least 1" to prevent interference with operation of GreenFeeder.

## Attach 1 Gallon Bottle

### 8. Attach the Siphon Hose (C) to the Siphon Cap (A)

**FIRST TIME INSTALLATION ONLY:** Attach the clear tubing (opposite the blue quick connect) over the nipple on the Siphon Cap so that it is snug and air-tight.

### 9. Attach the BLUE Quick Connect on the other end of the Retrieval Hose to the Bottle.

Lift the tab on the fertilizer bottle cap and press the blue adapter into the hole.

### 10. Self Priming

Ensure the unit is in the "ON" position. When water begins flowing through the unit, product will begin drawing through the tube. Allow 2-10 min for this to take place depending on flow rate. If unit is not draining liquid, you will need to skip down to the next injector nozzle. See page 3 for details.

**Note:** GreenFeeder can be installed vertically or horizontally.

\*GreenFeeder is designed to be used with chemicals produced by Pro Products, LLC. Any other chemicals used in the GreenFeeder will void the warranty.

## REPLACING THE INJECTOR UNIT

### 1 Turn OFF Water Main

Turn OFF the water main, bleed off pressure from mainline.

### 2 Remove Siphon Cap (6\*)

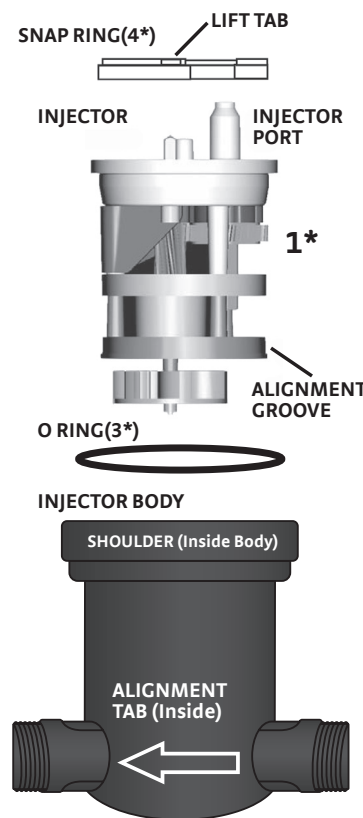
Remove the screw in the center of the siphon cap. Lift off so the injector is exposed as shown here.

### 3 Remove Snap Ring (4\*)

Press firmly on the top of the INJECTOR with your thumbs to relieve pressure on the SNAP RING. Insert a screw driver into the LIFT TAB and gently pull in and then up to remove the SNAP RING.

### 4 Remove Old Injector (1\*)

Grab the INJECTOR PORT and gently pull up. The INJECTOR should slide out easily.



### 5 Clean & Reinsert O-Ring (3\*)

Clean the O-RING. Apply a small amount of plumbers grease before reinserting to ensure a good seal. Set the O-RING on the SHOULDER inside the INJECTOR BODY

### 6 Insert the New Injector (1\*)

Push the INJECTOR down until it stops. Turn the INJECTOR clockwise until the ALIGNMENT GROOVE & TAB meet allowing it to nest inside the INJECTOR BODY. Firmly press down to ensure a snug fit.

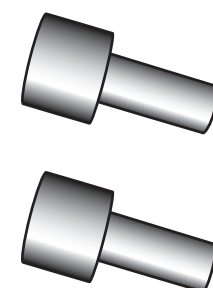
### 7 Replace the Snap Ring (4\*)

Make sure the LIFT TAB on the SNAP RING is facing up and that it "snaps" into position before restoring water pressure.

### 8 Turn ON Water Main

STAND AWAY FROM THE INJECTOR WHILE IT IS PRESSURIZING. Check for leaks around the SNAP RING and the INJECTOR PORT. Reattach the siphon cap (6\*) and continue normal use.

## INJECTOR NOZZLE GUIDE



	RECOMMENDED USE	OPERATING RANGE
NO NOZZLE	High flow range for spray and roter zones. Dilution ratio of 10,000 - 15,000 : 1†	up to 40 GPM
BLUE	Moderate to High flow range. For spray and rotor zones. Dilution ratio of 4,000 - 5,000 : 1†	10 – 25 GPM
RED	Low to Moderate flow range. For spray zones and large drip zones. Dilution ratio of 2,400 - 3,600 : 1†	3 – 12 GPM

†Gallons of water : 1 gallon fertilizer

### Using the correct GreenFeeder Injector Nozzle for your application;

Sometimes-you may not know what the flow rate of your irrigation system truly is, and this-may cause your unit to not operate correctly. The GreenFeeder unit needs to fire or CLICK 6 to 10 TIMES PER MINUTE. This ensures there is enough water being supplied to operate the feeder unit correctly.

When the unit is running and you here it CLICK, that is the internal guts or motor feeding formula into your water supply, if you DO NOT hear 6 to 10 CLICKS PER MINUTE when the unit is running, you will need to change the current NOZZLE you have inside the unit to the next NOZZLE size down. See above chart to determine which Nozzle you may need to use.

If you have any question please give Pro Products a call, 1-800-285-9176

## GREENFEEDER REPLACEMENT PARTS LIST

Part #	Description
1*	A1X-GTS Injector
2*	P1X-SVC Plug Service Plug
3*	R-O Ring Internal O Ring (Black)
4*	R-Snap Ring Internal Snap Ring (Yellow)
5*	A1X-TK-1 P1X Tubing Kit for 1 gallon bottle
6*	A1X-UP Siphon cap (not pictured)

## CLEANING & WINTERIZING THE GREENFEEDER

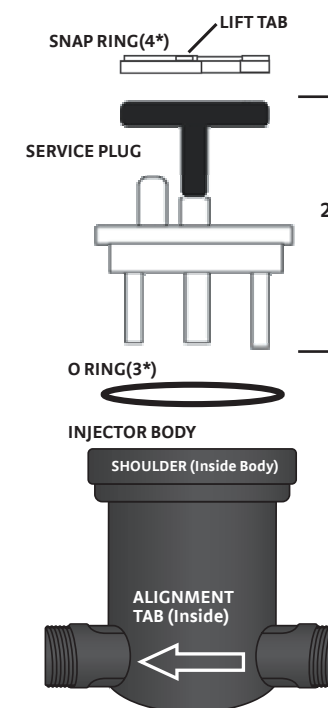
### CLEANING the GreenFeeder

Prior to winterizing, the GreenFeeder unit should be flushed out with fresh water to purge any residual sediments that may prohibit the unit from operating properly after sitting dormant.

1. Remove clear hose from the bottle or tank.
2. Insert hose into a bucket containing fresh water.
3. Turn on GreenFeeder and run for a minimum of 15 minutes.

### WINTERIZING the GreenFeeder

Do not inject air into a sprinkler system that has a GreenFeeder installed without first installing a service plug or temporary bypass. Injecting air into the GreenFeeder will spin the internal gear system too fast causing damage to the injector. The Service Plug is designed to facilitate air injection for winterization or temporary replacement of the injector element for service.



NOTE: The Service Plug will need to be purchased separately to winterize system (2\*).

### INSTALLING THE SERVICE PLUG

Turn off water main and bleed mainline pressure before proceeding.

1. Remove Siphon Cap
2. Remove Snap Ring (4\*)
3. Gently pull out injector (1\*)
4. Insert Service Plug (2\*)
5. Replace snap ring (4\*)
6. Perform winterization services
7. Remove Snap Ring (4\*) & Plug (2\*)
8. Clean, Grease & Replace O-Ring (3\*)
9. Clean build-up on Injector
10. Insert Injector (1\*)
11. Replace Snap Ring (4\*)
12. Replace Siphon Cap (6\*)