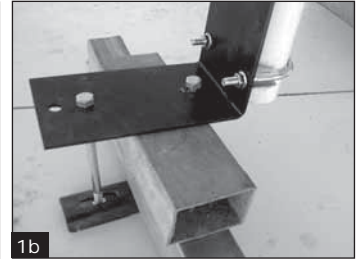
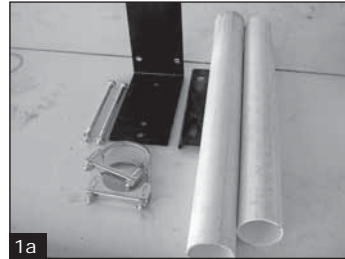


# BNSEasyflo

Instruction Manual

## Assembly instructions

1. Toolbar Clamp
  - a) Bolt clamp kit to toolbar as shown.
  - b) Fix 1 length PVC tube swaged end up to steel bracket with 2 clamps provided.
  - c) Insert second length PVC into swaged end.



2. BNSEasyflo distribution head is supplied with a male camlock and breather elbow.
3. Connect breather hose as shown.



4. The spray module fitted with a female camlock is inserted into the distribution head ensuring that it is adjusted to allow enough space both top and bottom so that the wobbler can operate without stalling.
5. Using the recess in the centre base of the BNSEasyflo distributor head, press the head onto the PVC tube already bolted to the toolbar clamp.

Appropriate lengths of low friction hose may now be cut and fitted to the outlets in the base.

### Spray Module Assembly

The module is preset in factory and should not require adjusting.

To ensure adjustments are correct:

- a. Check wobbler nozzle is screwed in all the way.
- b. Check that the module riser extends no more than 40mm beyond the bottom edge of the female camlock as shown.



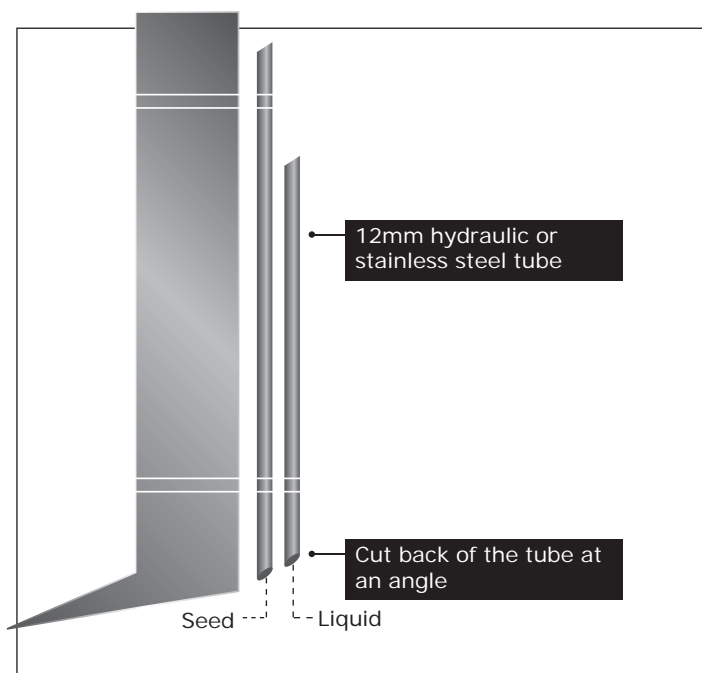
Spray Module

## Contents

Distributor head with hose tails	1
Distributor head wobbler nozzles.	4 different sizes, light blue, beige, gold and lavender.
Clear plastic breather hose	1.2 metres
Spray module	1
In-line filter	1
PVC pipe	2 lengths
Toolbar bracket	1
Package containing	1 slotted bar, 2 pipe clamps, 2 nuts and bolts
BNSEasyflo 12mm non friction gravity hose	3 metres per outlet

## Set Up Guidelines

1. Assemble distributor head as per assembly instructions.
2. Place distributor heads as evenly across the length of planter as possible.
3. Ensure all distributor head outlet hoses have constant fall to the tine, make sure there are no dips in the line where product may lay.
4. Be sure to check that there is enough outlet hose to cover your requirements, 3 metres per distributor head outlet is supplied.
5. The hose leading from the pump to distributor heads must be kept as straight as possible. Ensure there are no loops or dips, as suspension product will settle in the bottom of loops.
6. It is ideal to have 600 micron (30 mesh) filters in line after the pump, as close as possible to the manifold of the distributor heads.
7. Make sure that the wobbler nozzle does not contact the bottom of the distributor head.
8. It is important that the supply pump has enough capacity to agitate the tank as well as supply the distributor heads.
9. Distributor heads may be integrated with flow control devices providing the device can accommodate low pressure situations.
10. Attachment of distributor head hose to the tine assembly can be done in various ways. Our suggestion is by attaching a piece of 12mm OD hydraulic or stainless steel tube to the back of the seed tube. Make sure the liquid does not actually come in contact with the seed tube. With disc planters it is important that the liquid tube delivers far enough away from the disc that the liquid does not come in contact with the disc. Ensure liquid tube does not interfere with seed placement. Liquid must have clear access to seed slot. Refer to diagrams.



## Maintenance

1. Flush the distributor heads, lines and pump with clean water after each days use.
2. If machine is to be stationary for any length of time, all distribution components should be flushed thoroughly including pumps and tanks.
3. Hoses and distributor heads should be removed and stored out of direct sunlight.

## Troubleshooting

### 1. Nozzle blockages:

- Make sure that supply lines have been thoroughly cleaned.
- Check that the correct filter size is installed in the supply line prior to the distributor head.
- Check the compatibility of the products being used as some products may react and cause a gel to form.

### 2. Nozzles not delivering enough products for the given pressure:

- Ensure that the filters are not blocked.
- Check that there are no kinks in hose lines.
- Check to see that the wobbler is spinning

### 3. Wobblers are not spinning.

- Check for clearance at the top and the bottom of the wobbler to make sure it is not in contact with the distributor head.
- Check that the nozzle is not blocked.

### 4. Product frothing in distributor heads.

- Reduce the pressure.
- Put a small amount of vegetable oil in tank to break the surface tension of the product (use approximately 200ml per 1000L of mixed product).

