



SUB-SURFACE INJECTORS

Groundhog Sub Surface Injectors have been developed over a period of 20 years to give *unrivalled performance* on both grassland and stubble. All machines incorporate a unique slim-line design injection legs that can achieve injection depth from 4" to 14" that have easily replaceable surface contact parts. Injectors are available as Umbilical or Tanker Mounted Units.

Main Features:



- Unique Spring Loaded Auto reset leg assemblies
- Adjustable spring coulter disks
- Easily removable and low cost soil wearing parts eliminating costly downtime.
- Full width fully adjustable rear pressure roller.
- 6" Spring/Hydraulic Line Valve.
- Cat II/III three-point linkage (Umbilical Models Only)
- Heavy Duty Swinging Hose Guide Arm. (Umbilical Models Only)

PIF 100.4 Umbilical Injector

Model	Width (meters)	Number Of Legs	Maximum Fluidic Capacity
PIF 100.4	3	4	100m ³ (22,000 gal)/hr
PIF 150.6	4	6	150m ³ (33,000 gal)/hr

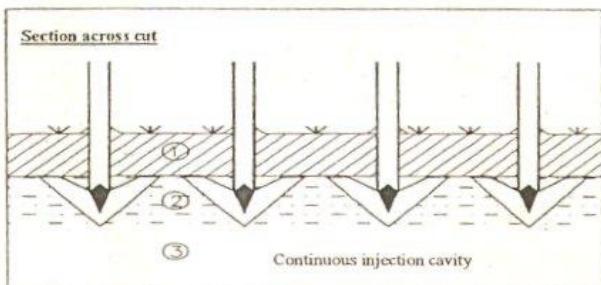
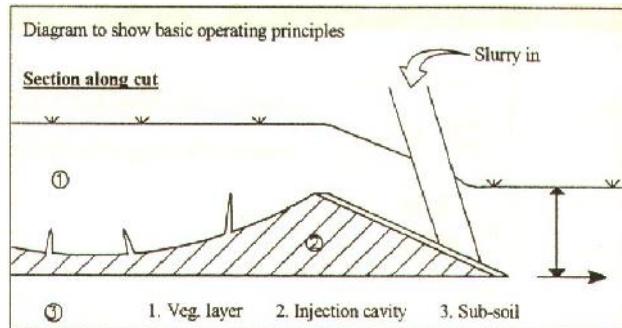
Accessories & Options

- Fluidic Diodes (patent applied for) – Non Restrictive Distribution System to ensure an even more accurate distribution of slurry to all legs (particularly useful when fed via centrifugal or vacuum pumping systems)
- HYDRASET Hydraulic Levelling System



GROUNDHOG Sludge/Slurry Sub-Soil Injector System

For disposal of sewage sludge and farm slurry to land by sub-soil injection.



Section showing the continuous slurry layer, which avoids striping and is readily available for plant roots.

THE ADVANTAGES OF THE SUB-SOIL INJECTOR

- Completely eliminates the environmental and nuisance problems previously associated with sludge and slurry disposal bringing more land into use closer to housing and sewage works.
- Higher application rates and significant transport economies.
- Un-rivalled nutrient benefit to crops no leaching occurs to atmosphere.
- Even application with the absolute minimum of surface contamination and none of the surface run-off problems that can occur with top-spreading systems.
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PIF 100.4 Mounted on Single Axle Tanker



PIF 100.4 Mounted On Twin Axle High Speed Tanker