



HOW SDI WORKS

Subsurface Drip Irrigation (SDI) is a drip irrigation system where the dripline is permanently buried below the soil surface, supplying water directly to the roots. SDI is more than an irrigation system; it is a root zone management tool. Fertilizer can be applied to the root zone in a quantity when it will be most beneficial - resulting in greater use efficiencies and better crop performance.

BASIC SYSTEM LAYOUT

- Dripline - the heart of the system (depending upon the field conditions) can be either pressure compensating (hilly terrain) or non-pressure compensating (flat terrain).
- Filters (typically a disc or media filtration system) is the best choice to protect the dripline.
- Fertilizer Injector - injects fertilizer chemicals into the system for maximum crop performance and to maintain the dripline over the long term.
- Pipeline headers, control and air release vents complete the system.

BENEFITS

- Adaptable to any size or shape of field
- Soil surface remains dry, resulting in reduced weed competition
- Proven to last 25 years with proper maintenance
- No surface runoff, ponding, and interception of water by the plant canopy
- Greatest efficiency of any irrigation systems on the market
- Drier conditions within the plant canopy reduces favorable conditions for many diseases.
- Precise application of nutrients directly to the root zone
- High distribution uniformity

