



| IRRIGATION SYSTEM | FEATURES AND BENEFITS | CONSIDERATIONS WHEN DESIGNING AND SPECIFYING A SYSTEM |
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| <p>Hard hose irrigator with rain gun</p>  | <ul style="list-style-type: none"> • Very versatile, easily shifted even from property to property • Minimises crop damage with only one pass in pulling out hose, compared to a soft hose irrigator having hose and wire rope to pull out • Varying run lengths pose no problem – only need to pull out hose length required • No hose kinking or damage that can occur with a soft hose irrigator • Computer can control speed, and offers varying speed options even over the travel run • Low labour input, compared with soft hose irrigators or shiftable sprinklers • Low application rate • Can irrigate awkwardly shaped fields allowing all areas of a paddock to be irrigated • Ability to isolate wet areas or spell fields if harvesting crops • Varying soil types can be managed by zone design • Nozzles can be easily removed if blockages occur • Good resale value | <ul style="list-style-type: none"> • Medium to high energy requirements due to losses through hose and pressure required at gun • Shifting is normally every 12-24 hours • Wind can effect uniformity • The larger and longer hose models require large tractor power to pull out the trolley |
| <p>Hard hose irrigator with WaterForce boom</p>  | <ul style="list-style-type: none"> • All the above benefits of a gun but with the additional benefit of: <ul style="list-style-type: none"> – Very high uniformity from the nozzles on the boom, similar to pivot and linear uniformity – hence very good for cropping, specialty seed production etc – Lower energy than the gun, reducing the energy requirements by up to 63%, = less running cost and lower pressure rated pipe can be used – Often can be retro fitted to a medium pressure system like replacing a roto rainer or similar – A WaterForce boom can be folded up quickly for ease of shifting and transportation – Nozzles can be easily removed for cleaning or changed to reduce application | <ul style="list-style-type: none"> • The WaterForce 4 wheel boom requires slightly increased labour input as both the boom and the irrigator require shifting to the next hydrant • Shifting is normally every 12-24 hours • Obstacles can restrict travel runs • The application rate becomes excessive if rotation time is extended too far |