

Material Requirements

UT Switchgrass Breeding Drought Study

Required Materials

136	1" PVC End Caps
68	1" PVC T's S x S x S
42	1" PVC (90 Degree) Elbows S x S x S
1	3/4" Filter (200 Mesh) MPT x MPT
1	1" Telescoping Pipe Repair Coupling
6	1" x 3/4" PVC Reducer Bushing S x FPT
4	1" x 1/2" x 1" PVC T's S x FPT x S
4	Liquid Filled Pressure Gauges (0-30 PSI), 1/2" MPT
10	1" PVC Male Adapter, S x FPT
1	1" Globe Valve
4	Senninger Pressure Regulators, PSR-10 (3/4" FPT x FPT)
2	1" PVC Coupler, MPT x MPT
4	Hunter 1" PGV-101G Valves (FPT x FPT)
946'	Schedule 40 PVC Pipe
5	12" x 17" Valve Boxes
6120'	RO-DRIP 5/8", 10 mil, 16" Spacing
204	Pro Grip, Take Off Grommets, 15mm, T Style 5/8" PG-Grom-H15 (Purchase 3 Bags, 100/Bag)
204	5/8" Drip Fittings 400 Barb (Purchase 3 Bags, 100/Bag)
1	Rainbird ESP 4 Modular Outdoor 4 Station Controller
8	Waterproof Wire Connectors
~200'	18AWG Multi-Strand Colored Cable
1 qt	PVC Solvent (Cement Glue)
1 qt	PVC Colored Primer
1 Roll	Thread Tape
1	Saw for cutting PVC Pipe
1	Drill Bit 15mm, TL-BIT-15
1	Electric Drill