

Materials List for:

A CO₂ Concentration Gradient Facility for Testing CO₂ Enrichment and Soil Effects on Grassland Ecosystem Function

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Materials

Name	Company	Catalog Number	Comments
Dataloggers, multiplexers	Campell Scientific, Logan, UT, USA	CR-7, CR-10, CR-21X, SDM-A04, SDM-CD16AC, AM25T	
Thermocouples: Copper-constantan	Omega Engineering, Inc., Stamford, CT, USA	TT-T-40-SLE, TT-T-24-SLE	
Quantum sensor	Li-Cor Biosciences, Lincoln, NE, USA	LI-190SB	
CO ₂ /H ₂ O analyzer	Li-Cor Biosciences, Lincoln, NE, USA	LI-7000	
Lysimeter scales	Avery Weigh-Tronix, Houston, TX, USA	DSL-3636-10	
Air sampling pump	Grace Air Components, Houston, TX, USA	VP 0660	
Dew-point generator	Li-Cor Biosciences, Lincoln, NE, USA	LI-610	
Cold water chiller	AEC Application Engineering, Wood Dale, IL, USA	CCOA-50	
Chilled water flow control valves	Belimo Air Controls, Danbury, CT, USA	LRB24-SR	
Chilled-water cooling coils	Coil Company, Paoli, PA, USA	WC12-C14-329-SCA-R	
Carbon dioxide refrigerated liquid	Temple Welding Supply, Temple, TX, USA	UN2187	
Polyethylene film	AT Plastics, Toronto, ON, Canada	Dura-film Super Dura 4	
Blower motor/controller	Dayton Electric, Lake Forest, IL, USA	2M168C/4Z829	
Solenoids	Industrial Automation, Cornelius, NC, USA	U8256B046V-12/DC	
Leachate collection pump	Gast Manufacturing, Benton Harbor, MI, USA	0523-V191Q-G588DX	