

Materials List for:

A Gusseted Thermogradient Table to Control Soil Temperatures for Evaluating Plant Growth and Monitoring Soil Processes

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Materials

Name	Company	Catalog Number	Comments
Thermogradient table	Appalachian Machinge Inc		Custom made, gusseted thermogradient table (schematics are included in the manuscript). The aluminum fabrication and welding were performed by Appalachian Machinge Inc. 5304 State Rd 790, Dublin, VA 24084.
Insulated polymer board cabinet	TASCO LLC		The insulated polymer board cabinet containing the aluminum plate was constructed by TASCO LLC, 1440 Roanoke Street, Christiansburg, VA 24073
Blue Hawk Folding Steel Adjustable Sawhorse	Lowes Home Improvement	162111	Model #: 60142 Folding Steel Adjustable Sawhorses
Circulating Refrigerated water baths or comparable units	Brookfield Engineering	TC-550SD	
Seeds (200 seeds)	Johnny's Selected Seeds		Oat, lettuce, tomato, melon seeds from Johnny's Selected Seeds 955 Benton Ave, Winslow, ME 04901 or any other seed for germination testing,
Professional 550 Grow Light	SolarOasis	Pro550	
ID braided PVC tubing	United States Plastics Inc.	60703	0.6 m pieces of 200 cm OD, 130 mm (1/2")
Super Tech 50/50 Antifreeze/ Coolant Pre-Mix	Walmart	1012574	4 liters distilled water-antifreeze (ethylene glycol) mixture
WatchDog Data Loggers	Spectrum Technologies Inc	Model 100	
Parafilm M 4 cm wide	Fisher Scientific	S37440	
Container Acrylic 5 1/4"x5"x1 3/8" plastic boxes	Hoffman Manufacturing Inc		Hoffman Manufacturing Inc. 16541 Green Bridge Road, Jefferson, OR
1" Collared-screw	Global Industrial	CS16H	Global Industrial, 11 Harbor Park Drive, Port Washington, NY
Collared Screw Worm Gear Hose Clamp	Global Industrial	WGB513588	3/4" - 1-1/2" Clamping Dia. 10-Pack .
Everbilt Model Foam Pipe Insulation	Home Depot	ORP11812	Internet # 204760805 Store SKU # 1000031792 1 in. x 6 ft.
Capillary Mat	Farmtek	106223	greenhouse capillary matting - 4' x 100' or alternatively sheets of newspaper
Sunshine Mix #3	TerraLink	3236320	3.8 cubic feet compressed bale,SKU: 3236320, Germinating media