

Materials List for

A Telemetric, Gravimetric Platform for Real-Time Physiological Phenotyping of Plant–Environment Interactions

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Materials

Name	Company	Catalog Number	Comments
Atmospheric Probes	SpectrumTech/Meter group	3686WD	Watchdog 2475
		40027	VP4
Array Randomizer		None	The software "Array Randomizer" can be used for creating an experimental design of a randomized block design, or fully random design. It was developed to have better control over the random distribution of the experimental samples (plants) in order to normalize the atmospheric microvariation inside the greenhouse.
			Free download and more information, please click on the following link: https://drive.google.com/open?id=1y4QbTpxRK5Lx430xzu1RFdrcl8pz_1q
Cavity trays	Danish size with curved rim for nursery	30162	4X4X7 Cell, 84 cell per tray https://desch.nl/en/products/seed_propagation_trays/danish-size-with-curved-rim-for-nursery~p92
Coarse sand	Negev Industrial Minerals Ltd., Israel		
Compost	Tuff Marom Golan, Israel		
Data Analysis software	Plant-Ditech Ltd., Israel		SPAC Analytics
Drippers	Netafim	21500-001520	PCJ 8L/h
Fine sand	Negev Industrial Minerals Ltd., Israel		
Loamy soil (natural soil)			
Nylon mesh	Not relevant (generic products)		
Operating software	Plant-Ditech Ltd., Israel		Plantarray Feedback Control (PFC)
Peat-based soil	Klasmann-Deilmann GmbH, Germany		
Perlite	Agrekal , Israel		
Plantarray 3.0 system	Plant-Ditech Ltd., Israel	SCA400s	Weighing lysimeters
		PLA300S	Planter unit container
		CON100	Control unit
		part of the planter set	Fiberglass stick
		part of the planter set	Gasket ring

			Operating software
			SPAC Analytics software
Porous, ceramic, mixed-sized medium	Greens Grade, PROFILE Products LLC., USA		
Porous, ceramic, small-sized medium	Greens Grade, PROFILE Products LLC., USA		
Pots	Not relevant (generic products)		
Soil	Bental 11 by Tuff Marom Golan		
Soil Probes	Meter group	40567	5TE
		40636	5TM
		40478	GS3
Vermiculite	Agrekal , Israel		