

Materials List for:

# RGB and Spectral Root Imaging for Plant Phenotyping and Physiological Research: Experimental Setup and Imaging Protocols

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## Materials

Name	Company	Catalog Number	Comments
Rhizobox	Technisches Büro für Bodenkultur	Experimental builder	
LED Lamps ATUM HORTI 600	Klutronic	AHI10600F	
Fluorescent light tube HiLite T5 Day	Juwel Aquarium	86324	
UV light tube Eurolite 45cm slim 15 W	Conrad	593384 - 62	
Canon EOS 6D	Canon Austria GmbH	8035B024	
Adobe Photoshop CS5 Extended Version 12.0 x 32	Adobe Systems Software Ireland Ltd.		
WinRhizo Pro v. 2013	Regent Instruments Inc.		
Xeva-1.7-320 SWIR camera	Xenics	XEN-000105	
Spectrograph Imspector N25E	Specim		
Hyperspectral imaging scanner	Carinthian Tech Research AG	Experimental builder	Design and assemblage of Hyperspectral Imaging Scanner and software
Matlab R2106a	Mathworks		Including Toolboxes for Image Processing, Signal Processing and Statistics and Machine Learning
AP4 Poromoeter	Delta-T-Devices		
LI-3100C Area Meter	LI-COR		
BASF Styradur polystyrene sheets	Obi Baumarkt	9706318	Different types of polystyrene sheets or other material separating differently moistured soil can be used