

Materials List for:

An Optimized Rhizobox Protocol to Visualize Root Growth and Responsiveness to Localized Nutrients

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Materials

| Name | Company | Catalog Number | Comments |
|----------------------------|------------------|----------------|---------------------------------------------------------------|
| 1.27 cm diameter PVC pipe | JM Eagle | 530048 | 305 cm per box, cut into lengths as specified in the protocol |
| PVC side elbows | Lasco | 315498 | 2 per box |
| PVC 90-degree elbows | Charlotte | PVC 02300 0600 | 4 per box |
| PVC T joints | Charlotte | PVC 02402 0600 | 4 per box |
| Extruded acrylic panes | TAP Plastics | N/A | 2 per box, 0.64 cm thick x 40.5 cm wide x 61 cm long |
| HDPE spacers (sides) | TAP Plastics | N/A | 2 per box, 0.64 cm thick x 2.5 cm wide x 57 cm long |
| HDPE spacers (bottom) | TAP Plastics | N/A | 1 per box, 0.64 cm thick x 2.5 cm wide x 40.5 cm long |
| HDPE spacers (patch) | TAP Plastics | N/A | 2 per box, 0.64 cm thick x 3.8 cm wide x 28 cm long |
| Polyester batting | Fairfield | #A-X90 | 2.5 cm x 40.5 cm strip per box |
| 20-thread screws | N/A | N/A | 3.2 cm long, 0.64 cm diameter |
| Washers | N/A | N/A | 0.64 cm internal diameter |
| Hex nuts | N/A | N/A | sized to fit the screws |
| Light deprivation fabric | Americover, Inc. | Bold 8WB26.5 | 1 piece 95 cm wide and 69 cm long per box |
| Sand | Quikrete | No. 1113 | |
| Field soil | N/A | N/A | |
| Transparencies for tracing | FXN | FXNT1319100S | One per side of the box to be traced |