

Materials List for:

The Hawaii Protocol for Scientific Monitoring of Coffee Berry Borer: a Model for Coffee Agroecosystems Worldwide

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Materials

Name	Company	Catalog Number	Comments
funnel trap	CIRAD		Brocap trap
propylene glycol	Better World Manufacturing, Inc.		
methanol	Fisher Scientific or similar supplier		CAUTION: Methanol is highly flammable, is toxic if inhaled or ingested, and is a skin and eye irritant. Wear gloves, eye protection, and protective clothing, and only use in well-ventilated rooms.
ethanol	Fisher Scientific or similar supplier		CAUTION: Ethanol is highly flammable, is toxic if inhaled or ingested, and is a skin and eye irritant. Wear gloves, eye protection, and protective clothing, and only use in well-ventilated rooms.
polypropylene resealable bags (2 Mil 3 x 4")	Uline or similar supplier	S-1292	
thumbtack	Widely available		For making drainage holes in funnel trap
paperclips	Widely available		For attaching lure bag to traps
galvanized wire (12 gauge)	Widely available		For attaching funnel trap to stakes
wire cutter	Widely available		
tomato stakes	Widely available		
permanent marker	Widely available		
mobile device	Apple or other supplier		iPad or smartphone equipped with camera
waterproof case	Widely available		For mobile device
data collection application	Fulcrum or similar software		
GNSS Surveyor	Bad Elf		~1-meter positioning accuracy
1 mm mesh hand sieve	Widely available		
1.5 mm mesh hand sieve	Widely available		
20 mL glass scintillation vials	Widely available		
label maker	Widely available		
label tape	Widely available		
metal lab spatula	Widely available		
scrub brush	Widely available		

dish soap	Widely available		
binder clip	Widely available		
ruler	Widely available		
plastic tupperware	Widely available		
cooler	Widely available		
ice pack	Widely available		
wash bottle	Widely available		
papertowels	Widely available		
fine-tipped paintbrush	Widely available		
light microscope	Leica or similar supplier		
clear plastic lid	Widely available		
tally counter	Widely available		
10 mL syringe	Widely available		
fine-tipped forceps	Widely available		
scalpel or razor blade	Widely available		
freezer	Widely available		
waterproof data shuttle	HOBO by Onset Computer Corp.	U-DTW-1	
PAR Sensor with 3m Cable	HOBO by Onset Computer Corp.	S-LIA-M003	
Temp/RH Sensor (12-bit) w/ 2m Cable	HOBO by Onset Computer Corp.	S-THB-M002	
Solar Radiation Shield	HOBO by Onset Computer Corp.	RS3	
Extra-Large Solar Panel 6 Watts	HOBO by Onset Computer Corp.	SOLAR-6W	
Rain Gauge (0.2mm) with 2m Cable	HOBO by Onset Computer Corp.	S-RGB-M002	
Smart Temp Sensor 12-bit w/ 2m Cable	HOBO by Onset Computer Corp.	S-TMB-M002	
Soil Moisture - 10HS	HOBO by Onset Computer Corp.	S-SMD-M005	
Silicon Pyranometer Sensor w/3m Cable	HOBO by Onset Computer Corp.	S-LIB-M003	
Light Sensor Bracket	HOBO by Onset Computer Corp.	M-LBB	
NDVI Light Sensor Bracket	HOBO by Onset Computer Corp.	M-NDVI	
Complete 3M Tripod kit	HOBO by Onset Computer Corp.	M-TPA-KIT	
RX3000 3G Remote Monitoring Station	HOBO by Onset Computer Corp.	RX3003-00-01	
Global Limited Plan - RX3000 T2 4-hr	HOBO by Onset Computer Corp.	SP-806	