

Materials List for:

Assessment of Methane and Nitrous Oxide Fluxes from Paddy Field by Means of Static Closed Chambers Maintaining Plants Within Headspace

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Materials

Name	Company	Catalog Number	Comments
Anchor/Chamber	-	-	Self-produced
5 cm thick closed cell foam	-	-	It is an insulating material, to be found in a store of building materials.
Light reflective (aluminum-like) coating	-	-	We use a shiny blanket, but it is possible to use aluminium foil for food.
Curved piece of plastic tubing (1.5 cm and 24 cm, DxL)	-	-	We use an electrical duct, to be found in a hardware store.
Screw connector	-	-	We use a connector for electrical ducts, to be found in a hardware store.
Rubber stopper (1 cm D)	-	-	To be found in a store for laboratory equipments.
Teflon tube (3 mm internal D)	-	-	To be found in a store for laboratory equipments.
One-way stopcock	-	-	We use stopcock for drip, to be found in a store for medical equipments.
12V PC fan	-	-	To be found in a PC store.
12V-7Ah rechargeable and portable battery	-	-	To be found in a store for electrical material.
Steel fasteners	-	-	To be found in a hardware store.
30 cm X 3 m (WxL) wood planks	-	-	To be found in a store of building materials.
Steel frame	-	-	Self-produced
Bubble level	-	-	To be found in a hardware store.
Concrete blocks	-	-	To be found in a store of building materials.
50 ml syringe	-	-	To be found in a store for medical/veterinary equipments.
Folding Ruler	-	-	To be found in a hardware store.
Temperature datalogger	Onset	HOBO U23 Pro v2 External Temperature Data Logger	
Exetainer 12ml Vial - Flat Bottom	Labco UK	736 W	
Butil rubber septa for vials	Labco UK	VW101	
25-gauge hypodermic needle	-	-	To be found in a store for medical equipments.

CH ₄ and N ₂ O standards	-	-	To be found at a supplier of gas bottles.
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