

'HOW TO' GUIDE: SEAGRASS EQUIPMENT LIST

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Shed (minimum 10 - 12m² available floor space) close to shore, with power supply, workbench

Boat for snorkel safety cover/access to harvesting & planting sites

GPS unit/phone with GPS app for marking out planting site. Long poles (e.g. bamboo canes) are useful for marking out site while planting

Seed Harvesting		
Item	Quantity	Notes
7.5mm wetsuits with integrated hood		Appropriate quantity and size range for number of people you expect to be in the water harvesting at any given time
Mask & snorkels		
Fins		
Neoprene socks		
Weight belts and weights		For competent snorkelers only. Approx 8kg per person in 7.5mm wetsuit
Mesh bags for seed gathering		The mask/snorkel/fin sets might come with mesh bags that can be used for this

Seed Planting		
Item	Quantity	Notes
Hessian bags (Approx 7cm x 13cm)		Enough to plant 1 per m ² with 50 seeds per bag
1/16 tsp (0.33ml) measuring spoon	4	For measuring out 50 seeds
Sterile sand (e.g., children's play sand)		Appropriate quantity for 100g per bag
Trowels	4	Narrow trowels (e.g., transplanting trowels) best as easier to fill bags with
Bale arm crates (60cm x 40cm)		Appropriate quantity for number of bags to be planted with 100 bags per crate

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Seed Processing		
Item	Quantity	Notes
IBC tank	4	If 2nd hand must not have contained environmentally harmful substances. Ideally obtain from food industry
Submersible pump (stainless steel or plastic)	1	Only required if processing tanks cannot be gravity-fed by header tanks
32mm pvc-u pipe		Appropriate quantity to run from header tanks to processing tanks. Alternative pipe/hose can be used if gravity-fed system
fittings for 32mm pipe (elbows, tees, etc)		If required (see above)
32mm pvc-u ball valve	2	
2" pvc-u pipe	1	From submersion pump in header tank to 32mm pipe, and for linking header tanks
Fittings for 2" pipe		Glands for connecting tanks, fittings for connecting to pump
2" pvc-u ball valve	1	
Danish trolley upright post	1	Support for inflow pipes to processing tanks
64mm reinforced suction hose		Sufficient length to reach from sea to header tanks
Fittings for suction hose		Jubilee clips, elbows
Stainless steel portable submersible pump	1	Must be rated to lift water from sea level to height of header tanks
110mm pvc-u pipe		Sufficient length to reach from processing tanks to waste water runoff area
Fittings for 110mm pipe		Glands for connecting to underside of processing tanks, elbows
110mm pvc-u ball valve	2	
PVC pipe solvent cement		
Silicon sealant		
200mm cable ties		
Heavy duty pond air pump (1800 l/hr)	1	Minimum 4 air hose outlets with isolator taps
Air hose		Appropriate diameter for air pump & sufficient length to reach all 4 tanks from air pump
200mm ceramic air stone disc	4	May require hose size adapters and short section of larger diameter air hose to attach air stones
Siphon hose for processing tanks		Long enough to reach waste water runoff area
Long-handled (min 90cm) fine mesh square mouthed net	2	For retrieving and processing seeds
Short handled fine mesh net	2	
1/4" mesh garden riddle	2	
Bucket	2	
5 litre jug	2	
2 litre mixing bowl	2	
Large fine mesh net bag	4	
Digital scales 0.01g accuracy	1	