

Materials List for

Big Box Biochar Kiln Operation and Best Practices

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jove.com/video/65362

Materials

Name	Company	Catalog Number	Comments
Big Box biochar kiln	ANR Fabrication	BB12	Phone: 435-753-0310
Chainsaw	Ace Hardware	#7000565	Or similar
Drip torch	Forestry Suppliers	7.58182E+11	Fill with: 30% gasoline, 70% diesel (or propane torch)
Garmin InReach	Best Buy	6499326	Or similar
Honda self priming water pump	Northern Tool	Item# 109418	Or similar
lighter / matches	Amazon		
Log chains	Tractor Supply Co.	SKU: 358788199	Or similar; for moving/lifting kiln
Mini-excavator with thumb	Local rental company		Must have a bucket with thumb
Pulaski	Grainger	485C27	Or similar
Ratchet straps	US Cargo Control		3,000 lbs strength per
Rags / cardboard	Grainger	9JZ92	To protect straps from abrasion while transporting kiln
Rake	Grainger	1WG30	Or similar
Shovel	Grainger	12N166	Or similar
Truck / trailer	Own/rent locally		For transporting kiln
Water discharge hoses	Grainger	45DT92	
Water: 300 gallons per quench			Plus more for fire control
Personal Protective Equipment			
Chainsaw chaps	Global industrial	T9FB2019133	Or similar
Ear protection	Global industrial	T9F708377	Or similar
Eye protection	Global industrial	T9F708119CLAF	Or similar
Fire pants	Grainger	12R487	Or similar
Fire shirt	Grainger	39EM96	Or similar
Hard hat	Global industrial	T9FB2278977	Or similar
Leather gloves	Global industrial	T9FB1145414	Or similar
Smokejumper fire boots	Whites Boots		Or similar