

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-159
Name of the item to be scouted:	Manure Biochar
State item to be used in:	Arizona

Describe the Item:

Please describe the item application/the end use of the item.	In search of biochar created from dairy manure to combine with our treatment technology.
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Supplier Information:

Type of Supplier Being Sought (select from the list below):

Manufacturer	s
Contract Manufacturer	
Distributor	
Other (Please Specify)	

Reason for Scouting Submission (select from the list below)

2nd Supplier	
Price	
Re-Shore	
Past supplier no longer available	s
New Product Startup	
BABA	
Other (Please Specify)	

Summary of Technical Specifications and Performance Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Requires dairy manure to undergo heat treatment either through pyrolysis or gasification process to create biochar. May need higher heat temperatures or holding times than normal process depending on equipment used.
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Provide dimensions / size / tolerances / performance specifications of the item	Must have final moisture content below 5.6%
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List required materials needed to make the product, including materials of product components, if applicable	Dairy cow manure
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Are there applicable certification requirements?	
Yes	
No	x
Please explain:	

Are there any applicable regulations that apply to the production of this item?	
Yes	x
No	
Please explain:	Must abide by air quality regulations for safely processing manure into biochar.

Are there any other standards / requirements?	
Yes	x
No	
Please explain:	End product must meet requirement of having certain moisture percentage and remain consistent with all batches produced.

NAICS CODES:	
NAICS 1	
NAICS 2	

Additional Comments:

Additional technical comments:	Heating temperatures applied can impact the final product. Preferred heat applied is above 700 C.
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Volume and Pricing:

Estimated Potential Business Volume (i.e. #units per day, month, year):	Immediate need for 2 tons. Estimate potential business volume for 2024 is 10 to 20 tons, 2025 is 40 tons, and 2026 is 60 tons.
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Estimated Target Price/Unit Cost Information:	TBD - Previous supplier provided manure biochar as a sample. Requested product is different than what is currently available for biochar.
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Delivery Requirements:

When is it needed by? (Immediate, 30 days, 6 months, etc.)	Immediate
Describe packaging requirements (i.e. individually/group packaging, etc.)	Can be produced gradually and sent in supersacks.
Where will this item be shipped?	Phoenix, Arizona
Additional Comments:	
Is there other information you would like to include?	