

Texas A&M AgriLife Research
Request for Quote #111138587
Plant Growth Chamber

Terms and Conditions: Vendor's quote submittal is subject to the Agency's terms and conditions, which are available at <http://agrilife.org/admin/files/2013/05/terms-conditions-bid.pdf> or may be faxed or emailed upon request.

Payment Terms: Net 30 days upon receipt and acceptance of item or receipt of correct invoice, whichever is later.

Governing Law: Any contract resulting from this request for quote shall be construed and governed by the laws of the State of Texas.

Warranty: Any quote submitted should include complete warranty information for the items being offered.

Delivery: Any quote submitted should include delivery time for the items being offered.

Award Based on Best Value: Texas A&M AgriLife Research reserves the right to accept or reject any or all bids, to waive informalities and technicalities, to accept the offer considered most advantageous and award the bid based on best value criteria. In determining what is the best value to the Agency, the Agency shall consider any or all of the following:

1. Purchase price
2. The reputation of the vendor and the vendor's goods or services.
3. The quality of the vendor's goods or services.
4. The extent to which the goods or services meet the agency's needs.
5. The vendor's past relationship with the Agency.
6. The total long-term cost to the Agency in acquiring the vendor's good or services.
7. The length and coverage of the vendor's warranty.
8. The delivery time.
9. Any other relevant factor that a private business entity might consider in selecting a vendor.

Public Information: (a) The vendor acknowledges that the Agency is obligated to strictly comply with the Public Information Act, Chapter 552, Texas Government Code, in responding to any request for public information pertaining to any resulting Agreement, as well as any other disclosure of information required by applicable Texas law.

(b) Upon the Agency's written request, the vendor will provide specified public information exchanged or created under any resulting Agreement that is not otherwise excepted from disclosure under Chapter 552, Texas Government Code, to the Agency in a non-proprietary format acceptable to the Agency. As used in this provision, "public information" has the meaning assigned Section 552.002, Texas Government Code, but only includes information to which the Agency has a right of access.

(c) The vendor acknowledges that the Agency is required to post a copy of any resulting fully executed Agreement on its Internet website in compliance with Section 2261.253(a)(1), Texas Government Code.

Prohibition on Contracts with Companies Boycotting Israel: By executing any resulting Agreement, the vendor certifies it does not and will not, during the performance of this contract, boycott Israel. The vendor acknowledges any resulting Agreement may be terminated if this certification is inaccurate.

Certification Regarding Business with Certain Countries and Organizations: Pursuant to Subchapter F, Chapter 2252, Texas Government Code, the vendor certifies it is not engaged in business with Iran, Sudan, or a foreign terrorist organization. The vendor acknowledges any resulting Agreement may be terminated if this certification is inaccurate.

Conflict of Interest: By executing any resulting Agreement, the vendor and each person signing on behalf of the vendor certifies, and in the case of a sole proprietorship, partnership or corporation, each party thereto certifies as to its own organization, that to the best of their knowledge and belief, no member of the Texas A&M System or the A&M System Board of Regents, nor any employee, or person, whose salary is payable in whole or in part by the A&M System, has direct or indirect financial interest in the award of any resulting Agreement, or in the services to which any resulting Agreement relates, or in any of the profits, real or potential, thereof.

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Plant growth chamber with the following minimum specifications:

- Size:
 - Approximate outside dimensions: 41 inches W x 33.6 inches D x 77.2 inches H. The unit must fit through a 41-inch wide doorway, so either the width or depth must be less than 40 inches.
 - Approximate inside dimensions: 37 inches W x 29 inches D x 58 inches H. Variations are acceptable, though the maximum plant growing area that can fit through the door is desirable (see below for more details on plant growing shelves).
- Weight: shall be less than 620 lbs.
- Construction:
 - The unit should be constructed of durable material, including at least 26-gauge smooth galvanized side walls
 - The top should be reinforced with at least 24-gauge backer plates
 - The interior floor should be constructed with at least 24 gauge #304-4 stainless steel and include a floor drain
 - All the seams and joints in the outer and inner shells should be welded for a complete seal
 - The inner seal should be supported by a non-thermal conducting material and non-compressing material to lock the inner liner in place
 - There should be a wall thickness of 2 inches, and foamed-in-place non-CFC insulation
 - The chamber should be equipped with caster assembly to assist in moving it
 - The door should open to allow full access to the shelves and have a latch and gasket seal which will lock the door shut securely
- Plant Growing Area:
 - Two tiers (shelves) in the chamber, with the combined area of at least 13 ft² for growing plants
 - Each shelf should contain an area of at least 6.5 ft² and be able to support at least 80 lbs of weight
 - Height of each tier for growing plants must be at least 20 inches
 - The shelves should be made with a durable material, that can withstand watering, minimum standard would be 22-gauge stainless steel with no perforations
 - The shelves should be mounted on stainless steel structures
- Lighting:
 - There shall be a bank of lights on each tier for uniform plant growth
 - Lights should be fluorescent lamps and incandescent lamps properly space for uniform light intensity
 - The intensity should be at least 350 $\mu\text{moles}/\text{m}^2/\text{s}$ of light irradiance measured at 6 inches from the lamps
 - Lights should be controllable so that lighting can be set for on/off during 24 hrs, or maintained on for an undetermined number of days
- Temperature Range:
 - The growth chamber shall have the ability to set and maintain a temperature range of at least 15°C to 35°C (+/- 0.5°C)
 - High and low temperature safeties shall be present and when triggered should shut down all power to the chamber
- Electrical requirements:

- Flexible since the room where it will be installed can accommodate 115 or 220 V, single phase power
- Air:
 - Conditioned air shall be circulated horizontally across each shelf to reduce variability in conditions
 - An on-board air-cooled condensing unit with a hot gas bypass system which can alternate cycling refrigerant and hot gas to cool is preferred
 - A ceiling mounted evaporator coil which incorporates twin air circulation fans in an aluminum housing with heat rejection to ambient = 3500 BTU/hr
- Humidity Control System:
 - A humidity control system shall be included for connection to existing reverse osmosis water, and that will maintain a higher than ambient humidity level, up to 85% relative humidity with the lights off and temperature set at 28°C or less
- Warranty:
 - Two years on parts and labor, on site

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Shipping and handling charges, F.O.B. Destination, to Lubbock, TX 79403 listed as a separate line item on the quote. Agency is requesting shipment of the growth chamber within 4 months after receipt of order. Please specify delivery time after receipt of order on quote.

Quotes may be submitted to Lindsay Weber at lrweber@ag.tamu.edu or faxed to 979-458-1217.