



REQUEST FOR QUOTES

Production Inputs Demonstration Farm Greenhouses

**UNDER
THE HYDROPONIC SECTOR DEVELOPMENT IN LEBANON PROGRAM**

FUNDED BY



ASSOCIATE COOPERATIVE AGREEMENT NO: 268-A-00-10-00045-00

Quotes Submission Deadline: 5:00 pm (EST), Monday, May 9th, 2011

Item Delivery Deadline (US): Friday, May 27th, 2011

Item Delivery Deadline (Lebanon): June 30, 2011

BACKGROUND INFORMATION

ACDI/VOCA is a private, nonprofit organization that promotes broad-based economic growth and the development of civil society in emerging democracies and developing countries. Offering a comprehensive range of technical assistance services, ACDI/VOCA addresses the most pressing and intractable development problems.

ACDI/VOCA is currently implementing the Hydroponic Sector Development in Lebanon Program which aims to establish a sustainable hydroponic greenhouse sector in Lebanon.

REQUEST FOR QUOTES

ACDI/VOCA is seeking quotes from qualified US vendors for the supply and delivery of PRODUCTION INPUTS for the construction of 3 hydroponic greenhouses in accordance with the attached specifications. The items must be segregated as indicated in the specifications bellow and marked H, A, M and S as they are intended for several sites.

US MANUFACTURE REQUIREMENTS

In accordance with funding requirements, the PRODUCTION INPUTS provided must be of US Origin. Vendors must certify that the items to be supplied in their bid are manufactured in the US and must be capable of supplying certificates of origin for the items if selected and required.

US NATIONALITY REQUIREMENTS

Vendors supplying quotes must be US nationals in accordance with the definition of Nationality found in 22 CFR 228.

AMERICAN FLAG SHIPPING

In accordance with funding requirements bidders are required to use U.S. flag commercial ocean vessels to transport the items from the USA to Beirut, Lebanon, to the extent that a U.S. flag vessel is available

SHIPPING AND DELIVERY

ACDI/VOCA is seeking quotes from qualified vendors for the supply and delivery of the Production Inputs in accordance with the attached specifications, CIF Port of Beirut, Lebanon. ACDI/VOCA reserves the right to request that the materials be shipped to a location in Virginia instead of Lebanon.

Shipping prices must be listed separately in the bids.

The items are to be delivered CIF Port of Lebanon no later than the 30th of June, 2011.

SELECTION CRITERIA

ACDI/VOCA will evaluate bids based on a best value determination, taking into account estimate time for delivery of goods to destination, the quality of goods being provided and the bid price. Only responsive bids meeting the specifications and requirements of this RFQ shall be considered for selection. The quality of the goods as an evaluation factor is weighted approximately equal to that of price. Bidding vendors must be able to deliver the items requested by the delivery date stated

above.

ACDI/VOCA may accept any item or group of items of a bid, unless the bidder qualifies the bid by specific limitations. ACDI/VOCA reserves the right to make an award on any item for a quantity less than the quantity offered, at the unit prices offered, unless the bidder specifies otherwise in the bid.

SUBMISSION REQUIREMENTS

Firms interested in submitting quotes for selection should include, at a minimum, the following information:

- Price Quotes:
 - The price/fees (inclusive of all taxes) and description for the items in accordance with the attached specifications.
 - The price (inclusive of all taxes and fees) for packing and shipping the items to the final destination.
- A certification of the US origin (place of manufacture) of the items to be supplied
- The period required between the issuance of a purchase order and delivery of the items
- Proposed payment terms (final payment terms shall be negotiated with the selected vendor).

SUBMISSIONS AND BID CLOSING TIME

All quotes must be submitted in writing either through fax or by email no later than 5:00pm US Eastern Standard time on Monday, May 9th, 2011. Bids received after the stated closing time may be disqualified.

Submission Address:

Email: hrubeiz@acdivoca.org

Fax: +1 202.469.6257

ADDITIONAL INFORMATION

Questions regarding these RFQP instructions should be directed to Helen Rubeiz, hrubeiz@acdivoca.org.

DISCLAIMER

ACDI/VOCA reserves the right to fund/award any or none of the submitted quotes. No commitment is made either expressed or implied, to compensate applicants for costs incurred in preparing quotes.

ATTACHMENTS

Annex A: Specifications

ANNEX A
Specifications

COMBINED PARTNER LIST for PRODUCTION INPUTS

1	Dripper stake with 1/8" X 18" X .050 ID. polyethylene line (100 per case)	11
2	Fertilizer - Capsicum - (11-11-40) - Pounds	700
3	Fertilizer - Cucumber - (8-16-36) - Pounds	700
4	Fertilizer - Strawberry Formula (8-12-32) - Pounds	700
5	Fertilizer -Tomato (4-18-37) - Pounds	700
6	Fertilizer - Lettuce (8-15-36) - Pounds	700
7	Grow Bags - 1.5 mt Filled Coconut Fiber/Pearlite Mix - White)	1600
8	Grow Bags (5 gal. Black Plastic 4 mil - Empty)	3200
9	Instruments - Hanna 98129 pH/EC/TDS/Temp Tester	7
10	Instruments - Handheld (Co2 Handheld)	4
11	Instruments - Handheld (Temperature - Humidity)	6
12	Microscope - Pocket Handheld - 30X	10
13	Net Pots (4,250 per case) - (5W559) - 2" x 2" - Black	8
14	Pesticide Safety Equipment - Face Shield - Full	8
15	Pesticide Safety Equipment - Goggles - Wrap Around - Vented	20
16	Pesticide Safety Equipment - Respirator - With 4 sets of extra filters for pesticides	8
17	Pesticide Safety Equipment - Tyvek Coverall - With Hood - Sm	40
18	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Med	40
19	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Large	40
20	Pesticide Safety Equipment- Tyvek Coverall - With Hood - XXXLarge	40
21	Ph Reference Solution (1 quart)	4
22	Plant Clips (Case - 6,000 pc) - Black	4
23	Propagation Flats (20.5" X 10.19" X 2.31") - Black or White - Case	10
24	Punch Tool (1/8" Leader)	7
25	Seedling Cubes - Oasis Brand - (1" X 1" X 1.5") - 5E164	14
26	Shade Paint for Plastic Roof (5 Gallons - White)	13
27	Sprayer + Stakes + Leaders (500 Per Case)	4
28	Stretch Wrap Film (5,000;)	4
29	Stretch Wrap Machine - (220 V - 50hz)	4

TOTAL ITEMS 8,606

SUBMIT ONLY THIS LIST FOR BIDDING PURPOSES

INDIVIDUAL LIST

A

1	Dripper stake with 1/8" X 18" X .050 ID. polyethylene line (100 per case)	3
2	Fertilizer - Capsicum - (11-11-40) - Pounds	200
3	Fertilizer - Cucmber - (8-16-36) - Pounds	200
4	Fertilizer - Strawberry Formula (8-12-32) - Pounds	200
5	Fertilizer -Tomato (4-18-37) - Pounds	200
6	Fertilizer -Lettuce (8-15-36) - Pounds	200
7	Grow Bags - Plastic - 1.5 mt Filled Coconut Fiber/Pearlite Mix - White)	400
8	Grow Bags (5 gal. Black Plastic 4 mil - Empty)	800
9	Instruments - Hanna 98129 pH/EC/TDS/Temp Tester	2
10	Instruments - Handheld (Co2 Handheld)	1
11	Instruments - Handheld (Temp - Humidity)	2
12	Microscope - Pocket Handheld - 30X	3
13	Net Pots (4,250 per case) - (5W559) - 2" x 2" - Black	2
14	Pesticide Safety Equipment - Face Shield - Full	2
15	Pesticide Safety Equipment - Goggles - Wrap Around - Vented	5
16	Pesticide Safety Equipment - Respirator - 4 sets of extra filters for pesticides	2
17	Pesticide Safety Equipment - Tyvek Coverall - With Hood - Small	10
18	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Large	10
19	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Medium	10
20	Pesticide Safety Equipment - Tyvek Coverall - With Hood - XXL	10
21	Ph Reference Solution (1 quart)	1
22	Plant Clips (Case - 6,000 pc) - Black	1
23	Propagation Flats (20.5" X 10.19" X 2.31")- Black or White	3
24	Punch Tool (1/8" Leader)	2
25	Seedling Cubes - Oasis Brand - (1" X 1" X 1.5") - 5E164	4
26	Shade Paint for Plastic Roof (5 Gallons - White)	4
27	Sprayer + Stakes + Leaders (500 Per Case)	1
28	Stretch Wrap Film (5,000;)	1
29	Stretch Wrap Machine - (220 V - 50hz)	1

TOTAL ITEMS 2,280

DO NOT SUBMIT THIS LIST FOR BIDDING PURPOSES

INDIVIDUAL LIST

H

1	Dripper stake with 1/8" X 18" X .050 ID. polyethylene line (100 per case)	3
2	Fertilizer - Capsicum - (11-11-40) - Pounds	200
3	Fertilizer - Cucumber - (8-16-36) - Pounds	200
4	Fertilizer - Strawberry Formula (8-12-32) - Pounds	200
5	Fertilizer -Tomato (4-18-37) - Pounds	200
6	Fertilizer - Lettuce (8-15-36) - Pounds	200
7	Grow Bags - Plastic - 1.5 mt Filled Coconut Fiber/Pearlite Mix - White)	400
8	Grow Bags (5 gal. Black Plastic 4 mil - Empty)	800
9	Instruments -Hanna 98129 pH/EC/TDS/Temp Tester	2
10	Instruments - Handheld (Co2 Handheld)	1
11	Instruments - Handheld (Temperature - Humidity)	1
12	Microscope - Pocket Handheld - 30X	3
13	Net Pots (4,250 per case) - (5W559) - 2" x 2" - Black	3
14	Pesticide Safety Equipment - Face Shield - Full	2
15	Pesticide Safety Equipment - Goggles - Wrap Around - Vented	5
	Pesticide Safety Equipment - Respirator - With 4 sets of extra filters for	
16	pesticides	2
17	Pesticide Safety Equipment - Tyvek Coverall - With Hood - Small	10
18	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Med	10
19	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Large	10
20	Pesticide Safety Equipment- Tyvek Coverall - With Hood - XXL	10
21	Ph Reference Solution (1 quart)	1
22	Plant Clips (Case - 6,000 pc) - Black	1
23	Propagation Flats (20.5" X 10.19" X 2.31")- Black or White - Case	2
24	Punch Tool (1/8" Leader)	2
25	Seedling Cubes - Oasis Brand - (1" X 1" X 1.5") - 5E164	4
26	Shade Paint for Plastic Roof (5 Gallons - White)	4
27	Sprayer + Stakes + Leaders (500 Per Case)	1
28	Stretch Wrap Film (5,000;)	1
29	Stretch Wrap Machine - (220 V - 50hz)	1

TOTAL ITEMS 2,279

DO NOT SUBMIT THIS LIST FOR BIDDING PURPOSES

**INDIVIDUAL LIST
S**

1	Dripper stake with 1/8" X 18" X .050 ID. polyethylene line (100 per case)	3
2	Fertilizer - Capsicum - (11-11-40) - Pounds	200
3	Fertilizer - Cucmber - (8-16-36) - Pounds	200
4	Fertilizer - Strawberry Formula (8-12-32) - Pounds	200
5	Fertilizer -Tomato (4-18-37) - Pounds	200
6	Fertilizer -Lettuce (8-15-36) - Pounds	200
7	Grow Bags - Plastic - 1.5 mt Filled Coconut Fiber/Pearlite Mix - White)	400
8	Grow Bags (5 gal. Black Plastic 4 mil - Empty)	800
9	Instruments -Hanna 98129 pH/EC/TDS/Temp Tester	2
10	Instruments - Handheld (Co2 Handheld)	1
11	Instruments - Handheld (Temp - Humidity)	2
12	Microscope - Pocket Handheld - 30X	3
13	Net Pots (4,250 per case) - (5W559) - 2" x 2" - Black	2
14	Pesticide Safety Equipment - Face Shield - Full	2
15	Pesticide Safety Equipment - Goggles - Wrap Around - Vented	5
	Pesticide Safety Equipment - Respirator - 4 sets of extra filters for	
16	pesticides	2
17	Pesticide Safety Equipment - Tyvek Coverall - With Hood - Small	10
18	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Large	10
19	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Medium	10
20	Pesticide Safety Equipment - Tyvek Coverall - With Hood - XXL	10
21	Ph Reference Solution (1 quart)	1
22	Plant Clips (Case - 6,000 pc) - Black	1
23	Propagation Flats (20.5" X 10.19" X 2.31") - Black or White	3
24	Punch Tool (1/8" Leader)	2
25	Seedling Cubes - Oasis Brand - (1" X 1" X 1.5") - 5E164	4
26	Shade Paint for Plastic Roof (5 Gallons - White)	4
27	Sprayer + Stakes + Leaders (500 Per Case)	1
28	Stretch Wrap Film (5,000;)	1
29	Stretch Wrap Machine - (220 V - 50hz)	1

TOTAL 2,280

DO NOT SUBMIT THIS LIST FOR BIDDING PURPOSES

**INDIVIDUAL LIST
M**

1	Dripper stake with 1/8" X 18" X .050 ID. polyethylene line (100 per case)	2
2	Fertilizer - Capsicum - (11-11-40) - Pounds	100
3	Fertilizer - Cucmber - (8-16-36) - Pounds	100
4	Fertilizer - Strawberry Formula (8-12-32) - Pounds	100
5	Fertilizer -Tomato (4-18-37) - Pounds	100
6	Fertilizer -Lettuce (8-15-36) - Pounds	100
7	Grow Bags - Plastic - 1.5 mt Filled Coconut Fiber/Pearlite Mix - White)	400
8	Grow Bags (5 gal. Black Plastic 4 mil - Empty)	800
9	Instruments -Hanna 98129 pH/EC/TDS/Temp Tester	1
10	Instruments - Handheld (Co2 Handheld)	1
11	Instruments - Handheld (Temp - Humidity)	1
12	Microscope - Pocket Handheld - 30X	1
13	Net Pots (4,250 per case) - (5W559) - 2" x 2" - Black	1
14	Pesticide Safety Equipment - Face Shield - Full	2
15	Pesticide Safety Equipment - Goggles - Wrap Around - Vented	5
16	Pesticide Safety Equipment - Respirator - With 4 sets of extra filters for pesticides	2
17	Pesticide Safety Equipment - Tyvek Coverall - With Hood - Small	10
18	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Medium	10
19	Pesticide Safety Equipment- Tyvek Coverall - With Hood - Large	10
20	Pesticide Safety Equipment- Tyvek Coverall - With Hood - XXLLarge	10
21	Ph Reference Solution (1 quart)	1
22	Plant Clips (Case - 6,000 pc) - Black	1
23	Propagation Flats (20.5" X 10.19" X 2.31") - Black or White	2
24	Punch Tool (1/8" Leader)	1
25	Seedling Cubes - Oasis Brand - (1" X 1" X 1.5") - 5E164	2
26	Shade Paint for Roof (5 Gallons - White)	1
27	Sprayer + Stakes + Leaders (500 Per Case)	1
28	Stretch Wrap Film (5,000;)	1
29	Stretch Wrap Machine - (220 V - 50hz)	1

TOTAL ITEMS 1,767

DO NOT SUBMIT THIS LIST FOR BIDDING PURPOSES

SPECIFICATIONS FOR ALL HYDROPONICS PRODUCTION INPUTS

ITEM DESCRIPTION	SPECIFICATIONS
Irrigation Drip Stakes Commercial Greenhouse Quality	1/8" X 18" X .050 ID polyethylene line (100 per case)
Chem-Gro Hydroponics Capsicum Specific Fertilizer Commercial Greenhouse Quality Only	Capsicum specific 11-11-40 (N-P-K) <u>GUARANTEED ANALYSIS</u> Total Nitrogen (N)11.00% Nitrate Nitrogen.....10.50% Ammoniacal Nitrogen....0.50% Available Phosphoric Acid (P205).....11.00% Soluble Potash (K20).....40.00% • <u>TRACE ELEMENTS</u> Boron as (B)0.10% Copper as (Cu).....0.03% Iron (Chelated) as (Fe).. ...0.20% Total Manganese as (Mn).....0.21% Soluble Manganese as (Mn)0.21% Molybdenum as (Mo)0.01% Zinc as (Zn)...0.03% Totally Water Soluble 25 pound bags or pails
Chem-Gro Hydroponics Tomato Specific Fertilizer Commercial Greenhouse Quality Only	Tomato Specific 4-18-38 (N-P-K) <u>GUARANTEED ANALYSIS</u> Total Nitrogen (N)4.00% Nitrate Nitrogen.....3.50% Ammoniacal Nitrogen.....0.50% Available Phosphoric Acid (P205).....18.00% Soluble Potash (K20).....38.00%

	Total Magnesium as (Mg).....0.40% Water Soluble Magnesium as (Mg)....0.40% <u>TRACE ELEMENTS</u> Boron as (B)0.20% Copper as (Cu).....0.05% Iron (Chelated) as (Fe)..0.40% Total Manganese as (Mn).....0.20% Soluble Manganese as (Mn)0.20% Molybdenum as (Mo)0.01% Zinc as (Zn).....0.05% Chlorine as (Cl), not more than.....2.00% Totally Water Soluble 25 pound bags or pails
Chem-Gro Hydroponics Cucumber Specific Fertilizer Commercial Greenhouse Quality Only	Hydroponics Cucumber Specific 8-16-36 (N-P-K) <u>GUARANTEED ANALYSIS</u> Total Nitrogen (N)8.00% Nitrate Nitrogen.....7.00% Ammoniacal Nitrogen.....1.00% Available Phosphoric Acid (P2O5).....16.00% Soluble Potash (K2O).....36.00% • <u>TRACE ELEMENTS</u> Boron as (B)0.05% Copper as (Cu).....0.05% Iron (Chelated) as (Fe)..0.20% Total Manganese as (Mn).....0.10% Soluble Manganese as (Mn)0.10% Molybdenum (Mo)0.01% Zinc (Zn)0.05%

	Totally Water Soluble 25 pound bags or pails
Chem-Gro Hydroponics Strawberry Specific Fertilizer Commercial Greenhouse Quality Only	Hydroponics Strawberry Specific 8/12/1932 • <u>GUARANTEED ANALYSIS</u> Total Nitrogen (N)8.00% Nitrate Nitrogen.....7.20% Ammoniacal Nitrogen.....0.80% Available Phosphoric Acid (P2O5).....12.00% Soluble Potash (K2O).....32.00% Total Magnesium as (Mg).....0.50% Water Soluble Magnesium as (Mg)....0.50% Combined Sulfur as (S).....0.25% • <u>TRACE ELEMENTS</u> Boron as (B)0.08% Copper as (Cu).....0.05% Iron (Chelated) as (Fe)..0.30% Total Manganese as (Mn).....0.15% Soluble Manganese as (Mn)0.15% Molybdenum as (Mo)0.008% Zinc as (Zn)....0.03% <u>Chlorine as (Cl), not more than.....1.00%</u> Totally Water Soluble 25 pound bags or pails
Chem-Gro Hydroponics Lettuce Specific Fertilizer Commercial Greenhouse Quality	Hydroponics Lettuce Specific 8-15-36 (N-P-K)

Only	• <u>GUARANTEED ANALYSIS</u> Total Nitrogen (N)8.00% Nitrate Nitrogen.....7.50% Ammoniacal Nitrogen.....0.50% Available Phosphoric Acid (P205)....15.00% Soluble Potash (K20).....36.00% • <u>TRACE ELEMENTS</u> Boron as (B)0.20% Copper as (Cu).....0.02% Iron (Chelated) as (Fe)..0.40% Total Manganese as (Mn).....0.20% Soluble Manganese as (Mn)0.20% Molybdenum (Mo)0.01% Zinc (Zn)0.05% <u>Chlorine as (Cl), not more than.....2.00%</u> Totally Water Soluble 25 pound bags or pails
Plastic Grow Bags Commercial Greenhouse Quality	Plastic – Preferably White 1.5 mt length (approximate) Coconut Fiber/Pearlite Mix Filler
Plastic Grow Bags Commercial Greenhouse Quality	Black Plastic 5 gal. (Approximate) 4 mil thickness Empty
Grow Bags Commercial Greenhouse Quality	5 gal. Black Plastic 4 mil - Empty
Handheld Hydroponics Solution Testing Meters Commercial Greenhouse Quality	Hanna Model 98129 No Substitutions Allowed Due to Specific Use Requirements This model must test for the following

	pH Ec TDS
Handheld CO² Meter Commercial Greenhouse Quality	Carbon Dioxide Tester Handheld Battery Operated LCD Readout 80 dB audible alarm when the short-term exposure safety limit is exceeded.
Handheld Thermo-Hygrometer Commercial Greenhouse Quality	Must read humidity readings from 5-90% +/- 3% accuracy Must read temperatures from 14F to 122F Minimum/Maximum reading feature Pocket Clip Batteries
Handheld – Pocket - Microscope Commercial Greenhouse Quality	30 Power (30X) Handheld Pen Type Led Readout Battery Operated Light Carry Case Pocket Clip
Net Pots Commercial Greenhouse Quality	Black Plastic 2" x 2" Black Net Type 4,250 per case
Pesticide Style Safety Shield Commercial Greenhouse Quality	Top and bottom caps for complete protection Drop-down headgear with ratchet suspension Replaceable clear window Meets ANSI Z87.1-2003 Acetate 6.5"Hx19"Wx0.04" thick
Safety Goggles Industrial Quality	Wraparound styling Vented Impact-resistant polycarbonate lens
Respirator – Pesticide Commercial Greenhouse Quality	Full Mask Style Adjustable head straps Silicone Material

	Bayonet cartridge style NIOSH Approved Replaceable filters for pesticides Replaceable goggle shield
Coveralls Commercial Greenhouse Quality	Tyvek Material With hood Velcro/Ripper (either) Small Medium Large Extra large XXL
pH Reference Solution Commercial Greenhouse Quality	1 Quart size
Plant Clips Commercial Greenhouse Quality	6000 per case 
Propagation Flats Commercial Greenhouse Quality	20.5" X 10.19" X 2.31" Black or White Plastic
Punch Tool Commercial Greenhouse Quality	For drip irrigation leaders 1/8"
Seedling Cubes Commercial Greenhouse Quality	<u>Oasis Horticubes</u> <u>Oasis Brand Only</u> No Substitutions Allowed 1" X 1" X 1.5" 3,240 per case
Shade Paint for Plastic Roofing Material	Kool Ray Brand or exact equivalent

Commercial Greenhouse Quality	For polyethylene films Easy remove type 5 Gallon size
Irrigation Sprayer Stakes Commercial Greenhouse Quality	Sprayer stake with 1/8" X 24" X .076 ID . Polyethylene feed line. Flow rate of 4.2 GPH (<u>.07 GPM</u>) “Fan” pattern spray Shut-off on the back of the sprayer stake. Do not require inserts.
Stretch Wrap Film Commercial Greenhouse Quality	18" X 5000' roll Film must be food grade quality No oil or wax residues allowed
<u>Stretch</u> Wrap Machine Commercial Greenhouse Quality	18" Film wrap capacity 220 - 50Hz compatible Teflon coated heat plate - 5" x 15".

NOTES

1. All items must be filled as listed. No substitutions allowed. All items must be of commercial quality, no exceptions.
2. Individual items must be grouped together for packaging according to column designation (H-M-A-S)
3. Individual shipments must be properly marked, crated and palletized according to column designation (H-M-A-S)
4. Quotes must include all related costs separately for packaging, crating, palletizing, and shipping
5. All items must be of USA origin or manufactured in the US using a minimum of foreign parts
6. All items must be shipped to the specified shipping address
All items must arrive to the specified shipping address, no later than April 25, 2011