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Pricing and Descriptions Hydroponic NFT - Lettuce and Herb Production Systems



PRICING AND DESCRIPTIONS

Lettuce & Herb Production - NFT Package

Gutter Connect Unit



Our greenhouses are designed for most areas of the country where snowfall occurs and feature high strength galvanized structural steel tubing. For areas with extreme high snow loads, we can modify your greenhouse to accommodate most loadings. Each CropKing unit includes the following components with the equipment sized according to normal design temperatures for the specific area in which the unit will be operated. Engineering specifications are available upon request.

<p>1. GREENHOUSE STRUCTURE - FREESTANDING UNIT - Cropking's greenhouse frames are made of galvanized steel. Gothic shape with a peak in the center for higher strength in snow load areas (15 lb snow load). It is rated for a 80 MPH wind load. This unit has arches on 4' spacing with ground stakes, couplers, five purlins, wind braces, connectors, hardware and 2x4 end wall brackets for attaching the end wall studs. Black vapor barrier, embossed steel clad entrance door with aluminum casing with blueprints included.</p> <p>GUTTER CONNECT UNIT - Frame of galvanized structural steel, with 8' high extruded aluminum gutter, column posts on 8' centers, bows on 4' centers, three purlins, wind braces, connecting hardware, also includes QuickLock poly lock for attaching covers to gutters. Embossed steel clad entrance door with aluminum casing included (one door for up to 4 bays). Black vapor barrier with blueprints included. Rated for a 20 lb snow load and 90 MPH wind load. (10' high gutters are available for connecting to a tomato unit for an additional cost.)</p> <p>2. GREENHOUSE COVERING Includes two layers of 4 year greenhouse film with an air inflation fan for an insulating layer of air between the two covers. Aluminum cover locks for cover attachment on the end arches and the perimeter. For the cooling end wall (typically the south end) Cropking includes 8MM Solar grade polycarbonate with the necessary "H" and "U" channel and Tek screw fasteners. The North end wall covering is not included and we recommend that this wall be insulated and sided with the customer's choice of material.</p> <p>3. COOLING SYSTEM CropKing uses the fan and pad cooling method. A Glacier Cor Evaporative Wet Wall Pad, including self-contained water distribution system (no sump tank needed) is on the south end of the house. The cooled air is pulled through the house and is exhausted on the North end via American Coolair exhaust fans (2) per bay or unit including slant wall housing, fan guards, aluminum shutters, motors and necessary hardware.</p> <p>4. POWER VENT DOOR When the fans switch on an automatic vent door with aluminum extruded framing, gear driven motor with limit switch opens on the South end of the house. It is covered with polycarbonate and included the related hardware. The opening and closing of Power Vent door controlled by the iGrow 1400 environmental control system.</p> <p>5. AIR CIRCULATION SYSTEM Jet fan system (one per unit) with motorized intake shutter, housing, heat inlet kit, and hardware. Pre-punched poly air tube runs the length of the house. Support wire and tube hangers are included.</p> <p>6. OVERHEAD UNIT HEATERS Each bay or unit includes two Modine PDP High Efficiency unit heaters (10 year limited warranty) with 180 degree rotating power exhauster and aluminized steel heat exchanger and burners. Galvanized steel heater hangers are included.</p> <p>7. COMPUTERIZED ENVIRONMENTAL CONTROLS iGrow 1400 control system with on screen programming, power supply, 12 outputs, 12 LED status display indicators, temperature and humidity sensor. Unit is mounted on painted plywood, pre-wired to the electrical panel. The iGrow offers accurate operation of the cooling system, vents irrigation, CO2 and lighting. With the addition of "slave units" the iGrow can be expanded allowing for separate environmental zone controls. For an additional \$1095.00 a remote monitoring and programming software package allows the iGrow to be attached to a host computer. From the host computer, is it possible to store and download historical and real time data as well as make programming changes. (See * iGrow Remote Access Software under options below)</p> <p>8. GROWER TECH SERVICE PROGRAM Our technical support includes attendance for two people at our grower's school, the workshop on DVD for future referral, three books on NFT growing, Lettuce Production training DVD, plus two books: A Practical Guide to NFT and Hydroponic Lettuce Production.</p> <p>9. ELECTRICAL PANEL For ease of installation, Cropking supplies a pre-wired electrical panel tailored to the greenhouse. The panel includes 200 amp-240 volt, single phase, 60HZ, Main Breaker Panel box with breakers,</p>	<p>relay control panel, control relay, labeled terminal strip equipment connections, GFI receptacle, duplex receptacle mounted on a painted plywood board. The iGrow is programmed and mounted to the panel board for ease of start-up. <i>Note: Please check with the local electric codes. Some codes require a UL listed panel and are available for an additional cost and are quoted on a per project basis.</i></p> <p>10. N.F.T. LETTUCE SYSTEM (Number of plant spaces listed below) CropKing NFT Growing Channel: 2 piece extruded PVC growing channels with base and removable pre-punched top cap. Two types of end caps: one solid, one spouted per channel with anti-drip drainage design. Holes in top cap are pre-punched on 8" centers.. Nutrition Delivery Return System: high efficiency circulation pump(s) and pump plumbing kits, main poly feed line with feeder tubes, punch, valves, filter, hardware and 4" opaque nutrient return system. CropKing NFT Fertroler System: Pre-wired microprocessor with pH and EC control. Nutrient injector system and acid injection pump (pre-assembled, mounted and tested). 3 concentrate tanks and plumbing kit are also included. Nutrient tanks: U.V. stabilized plastic underground tanks (may be deducted from package and purchased locally to save freight. (1000 Gal Tanks) Nursery seedling system: Lettuce nursery for seedlings - 2 white PVC nurseries and seedling trays to be located in the front of each bay. NFT support system: Gatorshield galvanized steel frame for supporting the growing channels and connecting hardware.</p> <p>11. TESTING AND MISC. EQUIPMENT Myron AG-5 Conductivity DS Meter, TDS Conductivity Standard (1/2 pint) Fisher pH Test Kit, Sensaphone Model 1104, Sensaphone Remote Temperature Sensor, Nutrient Mixing Pump, Mini-Max Thermometer (2), pocket sling psychrometer, white ground cover for floor under beds. Auto vacuum seeder to eliminate hand seeding.</p> <p>12. GROWING SUPPLIES Hydroponic fertilizer recipes based on your water sample (an estimated one year supply). 1" Rockwool cubes and seeds (enough for your first three planting rotations) are included. Getting your fertilizer with your greenhouse shipment can help to save on freight dollars.</p> <p>13. GROW LIGHTS AND CONTROL 32 per unit, 1000w T30 AgroSun Halide Grow lights with attached ballast and lens. 240v single phase lighting control electrical panel(s), Light sensor and input module. (Additional electrical service equipment will be required on a 4 bay or larger system.)</p> <p>14. CO2 ENRICHMENT AND CONTROL SYSTEM Johnson CO2 generator, one per unit, electronic remote CO2 monitor with control package pre-wired and programmed into the iGrow 1400 environmental controller.</p> <p>15. SHADE CLOTH 40% white exterior shade cloth including cable tie down kit and shade cloth quick clips. Note: 50% white shade cloth is available at additional cost for deep south applications.</p> <p>16. INSECT EXCLUSION SYSTEM Extends the south end of the greenhouse by 8 ft. This additional 8' of greenhouse is covered with NO-Thrip Insect Screening. This "screen room" covers the power vent door and does not allow insects to be pulled through the wet wall into the greenhouse. An additional door is included for access into the extension for maintenance of the wet wall. Also included is an additional entrance door and air curtain to turn a customer supplied head house into an air-locked greenhouse entry reducing the chance of insects entering through the main entrance of greenhouse.</p> <p>17. STEEL ENDWALLS AND SIDEWALLS CropKing's galvanized structural Steel endwall package includes 3 steel framed endwalls and 2 steel sidewall baseboards made of structural 1 1/2 in. x 3 in. galvanized C channel, aluminum brackets, hardware and additional end wall bracing and connecting hardware.</p>
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Price Summary

Item #	DESCRIPTION	FREE STANDNG		ADD-ON		2 BAY—44X128		4 BAY—88X128		6 BAY—132X128		8 BAY—176X128		16 BAY—352X128	
		30x128	6,192 Spaces	1 BAY—22X128	4,656 Spaces	9,306 Spaces	18,612 Spaces	27,918 Spaces	37,224 Spaces	74,448 Spaces					
1-8	Greenhouse Package	\$	27,510.44	\$	29,729.78	\$	45,511.54	\$	82,548.64	\$	116,924.23	\$	152,330.52	\$	297,576.55
9	Electrical Panel		1,572.48		1,684.01		1,856.40		2,757.55		3,253.74		4,668.18		9,336.37
10	NFT Lettuce System		20,851.15		19,310.60		33,548.64		66,203.63		98,953.00		131,600.99		262,396.51
11	Testing/Misc. Equipment		1,416.18		1,199.36		1,469.36		2,009.36		2,549.36		3,089.36		6,178.72
12	Growing Supplies	\$	5,104.00	\$	3,861.00	\$	7,182.00	\$	14,175.00	\$	21,060.00	\$	27,864.00	\$	55,728.00
GROWING PACKAGE TOTAL:		\$	56,454.25	\$	55,784.75	\$	89,567.94	\$	167,694.18	\$	242,740.33	\$	319,553.05	\$	631,216.15
OPTIONS:															
13	Grow lights & Control	\$	11,230.52	\$	11,846.43	\$	23,722.01	\$	47,235.03	\$	70,748.04	\$	94,261.07	\$	188,522.14
14	CO2 Enrichment/Control Sys.		1,132.63		1,132.62		1,773.62		3,055.62		4,337.62		5,619.62		11,239.25
15	Shade Cloth System		957.43		1,220.11		1,892.63		3,237.66		4,582.69		5,934.72		11,321.84
16	Insect Exclusion System		2,878.50		3,550.63		4,961.57		7,768.18		10,578.57		13,385.18		24,633.94
17	Steel End Walls		6,250.00		5,475.00		9,000.00		15,969.46		23,269.55		30,269.90		58,889.06
*	iGrow Remote Access Software		1095.00		1095.00		1095.00		1095.00		1095.00		1095.00		1095.00



ORDERING INFORMATION (PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)

Additional Items not provided by CropKing are necessary to complete your package. See list of items required for local purchase. Please request this list if you have not already received it. Construction Manual is made available after receipt of deposit and an order has been placed. This pricing is subject to Cropking's standard Terms and Conditions of Sale that is made part of a Sales Contract should a purchase take place. Please request a copy of these terms and Conditions before sending a deposit or placing an order. Allow 3-6 weeks for shipment of a complete package. The framework and materials necessary to begin construction may be shipped sooner if desired at additional freight charge. Please contact us if you require a closer estimate of the shipping dates. Terms: all items are F.O.B., Lodi, Ohio, or origin of manufacture. 1/2 deposit is required with order and remaining half due prior to shipment.