

Seasonal High Tunnel System for Crops

Approved Product List

MA-798

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Subject to update – product lists with later dates will supersede this list. This product list is not all inclusive and does not imply NRCS endorsement of any product, company, or position.

Source	Model
Atlas Manufacturing, Inc. 800-346-9902, www.atlasgreenhouse.com	Snow Arch, Budget Plus 2" Square Structure
Four Season Tools 816-444-7330; www.smallfarmtools.com	Four Season Gothic Fixed and Moveable models
Golden Pacific Structures 803-348-0161, www.gpstructures.com	Windjammer Series 5000
FarmTek 800-327-6835, www.FarmTek.com	ClearSpan Gro-Max Gothic with wood or metal framed endwalls
Growers Supply 800-476-9715, www.growerssupply.com	
Griffin Greenhouse & Nursery Supplies 978-851-4346; www.griffins.com	New England Windjammer Series 5000
Harnois 1-888-427-6647; www.harnois.com	Ovaltech, Cold Frame, TunnelPro
Ledgewood Farms 603-476-8829; www.ledgewoodfarm.com	Ledgewood Farm Gothic
Rimol Greenhouse Systems, Inc. 603-494-9426; www.rimol.com	Nor'Easter, Northpoint, Eastpoint, or Rolling Thunder (using models above)
W.H. Milikowski, Inc. Stafford Springs, CT (800-243-7170) www.whmilikowski.com	Northern Star Series

All models must meet the criteria below.

High Tunnel Selection Criteria: if not listed above, models must meet all criteria listed below:

- Tunnel width does not exceed 30 ft.;
- Bows and ground posts are 14 gauge galvanized steel or stronger (exception: 16 gauge, 2" square galvanized steel bows are permitted);
- Bows are spaced 4 ft. apart;
- 3 purlins for tunnels < 26 ft. wide, 5 purlins for tunnels ≥ 26 ft. wide;
- Frame is covered with at least 6-mil UV resistant polyethylene film;
- Roll-up or drop-down sides are installed on both sides;
- End walls (if used) are framed with 2X4" wood lumber or metal and covered with plywood, or > 6-mil UV resistant polyethylene film or polycarbonate.

High Tunnel Selection Considerations

- Consider installing gothic style frame for better snow shedding;
- Consider a minimum 6 ft. x 6 ft. opening on each endwall for increased ventilation and access (e.g., 2- 36 inch wide doors on each end or larger roll-up, sliding, or hinged doors);
- Consider the size of the equipment to be used in the tunnel when constructing the endwalls;
- Consider using a truss at least every other bow. For tunnels ≥ 26 ft. wide consider using trusses with braces/cross-ties on every bow;
- Consider adding more purlins and/or wind bracing kits in windier areas;
- Consider the height of the sidewall as it relates to the height of the target crops (and personnel who will be working in the tunnel);
- Consider painting the interior endwalls with white paint to increase light reflectance.