

# Seasonal High Tunnel System for Crops

## Approved Product List

**MA-798**

**February 2012**

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