NRCS Natural Resources Conservation Service

Seasonal High Tunnel System for Crops

Approved Product List--REVISED *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., Alapaha, GA 800-346-9902, www.atlasgreenhouse.com	Snow Arch Budget Plus 2" Square Structure
FarmTek, South Windsor, CT 800-327-6835, www.FarmTek.com	ClearSpan Gro-Max Gothic with wood or metal framed endwalls
Growers Supply South Windsor 800-476-9715, www.growerssupply.com	
Griffin Greenhouse & Nursery Supplies Tewksbury, MA, 978-851-4346 www.griffins.com	New England Windjammer Series 5000
Harnois 1044, rue Principale, St-Thomas-de-Joliette, Quebec, J0K 3L0, 1-888-427-6647 www.harnois.com	Ovaltech
Ledgewood Farms, Moultonborough, NH 603-476-8829 www.ledgewoodfarm.com	Ledgewood Farm Gothic
Rimol Greenhouse Systems, Inc. Hooksett, NH, 603-494-9426 www.rimol.com	Nor'Easter, Northpoint, Eastpoint, or Rolling Thunder (using models above)

High Tunnel Selection Criteria: ALL 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);

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High Tunnel Selection Criteria (cont.)

- ☐ 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 wood lumber (plywood is acceptable for covering material) or metal and covered with > 6-mil UV resistant polyethylene film or with polycarbonate;
- ☐ If end walls are not used, plastic must be removed during the winter months.

High Tunnel Selection Considerations

- 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).