

COMMERCIAL GREENHOUSES

# VENLO AND OPEN-ROOF STYLE

Space-efficient mass production





Open Roof, Young's Plant Farm, AL



Venlo, Mucci Farms, Kingsville, Ontario



Roof washing equipment on Venlo

# VENLO AND OPEN-ROOF STYLE GREENHOUSES

---

The **Venlo** greenhouse is a great choice for large commercial operations, offering optimal light transmittance and exceptional ventilation. It features a high light transmitting tempered-glass roof and a truss design that accommodates energy/shade curtains, growing systems, and more. Alternating skip vents allow for the release of heat and humidity at a controlled pace.

The **Open-Roof** greenhouse provides a protected environment with easy outdoor access for crop conditioning and steering. It has excellent ventilation and can accommodate multiple glazing types. Its unique roof design features full vertical vents that pivot at the gutter sides for 86° natural ventilation with the roof fully open, or partial roof opening during bad weather. The peak gutter keeps unwanted moisture off the crops.

## Get to Know the Venlo and Open-Roof

- ✓ Single-piece factory-welded energy trusses
- ✓ Insulated aluminum gutters suitable for roof washing equipment and chalk machines
- ✓ Optional: powder-coated frame, flashings, and extrusions
- ✓ Optional: direct and indirect drive roof vents
- ✓ Optional: insect screen roof vents (Venlo only)

## Optimal Growing Conditions

- **Amplifies natural light**  
The tempered-glass exterior minimizes light loss, while allowing for higher light transmission.
- **Delivers optimal ventilation and airflow**  
Higher ceilings and shallow peak heights offer greater floor-to-vent room for increased air volume, improved airflow, and a healthier growing environment. Houses can be actively or passively ventilated.
- **Minimizes moisture**  
Condensation channeling to the gutters negates drip damage to crops.
- **Provides heat protection**  
High sidewalls provide a natural heat buffer for the crop and increase production space. Shade curtains retain heat in winter and protect crops from the summer sun.

---

## Stands the Test of Time

- **Durable weather protection**  
Stands up to heavy snow, wind, and crop loads.
- **Reduces maintenance**  
Tempered glass minimizes reglazing and upkeep.
- **Lasts for generations**  
Hot-dipped galvanized North American steel profiles for strength and longevity.





# PROSPIANT

**EXPERTISE YOU CAN TRUST. CAPABILITIES YOU CAN COUNT ON.**

## Proven Track Record of Success

- 10,000+ customers
- 3,000+ completed projects

## Qualified In-House Talent

- In-house engineering\* for all disciplines
- We work with P.E. Registered partners as required
- Extensive nationwide qualified installer network
- Qualified and experienced Project Managers OSHA 10/30 certified

\*We work with partners to ensure proper, compliant performance of engineering and design services.

## North American Manufacturing

- U.S. and Canada
- NGMA member

## Contact us to purchase

(513) 242-0310

[sales@prospiant.com](mailto:sales@prospiant.com)

[www.prospiant.com](http://www.prospiant.com)



## VENLO SPECIFICATIONS

- Standard widths: 8 and 12 meters (26.24' and 39.36')
- Standard gutter height: 7.3m (24')
- Standard bay spacing: 4m (13.12')
- Load rating: up to 30# roof
- Non-standard sizes available upon request

## OPEN ROOF SPECIFICATIONS

- Standard Open-Roof Width: 3 peak 12 meter (39.36') or 36'
- Standard gutter height: 7.3m (24')
- Standard bay spacing: 4m (13.12')
- Load rating: up to 30# roof
- Non-standard sizes available upon request