



Agricultural Research Council –Vegetable and Vegetable and Ornamental Plants (VIMP)
R573 KwaMhlanga/Moloto Road, Roodeplaat, Pretoria

Seed systems tunnel refurbishment at Loskop

- 2 x Tunnel structures
- Dimensions for each tunnel:
 - Tunnel surface area = 15m x 46m
 - Height from the ground to the arch = 26m
 - Height = 10m
- The structures should be corrected/fixed first for any deformations, followed by painting with metallic non-corrosive paint (at least two coats)
- Supply and installation of 200-micron multi solar plastic (white)
- Supply and installation of 30% shade/hail net (white)
- Ventilation windows per tunnel
- Electric supply cables and switches to the tunnel structures (to connect the water pumps)
- Properly finished concrete floor and 1.5m around the tunnels
- Water drainage on the floor
- Two 15m sliding gate (covered with 200-micron multi-solar plastic) on each of the 30m side of the tunnel
- Two 8m x 3m air ventilation windows (covered with 200-micron multi-solar plastic) on each of the 30m side of the tunnel
- Four angle bars to serve as rail for sliding gates with a concrete foundation under the gate rails.
- Supply and installation of 2 x 1.1kW single phase water pumps with stop/start switch
- 2 x 5000L water tanks (on concrete slab)
- Automated greenhouse watering system (per tunnel)
- Auto float switch
- Non-return valve
- Drip irrigation system
- 1 x water tap per tunnel