**Stock seed**
Receiving of seed no later than beginning of July. Amount of seed needed per tunnel - male line 0.017 - 0.020 kg (± 400 - 500 seeds) and female line 0.055 - 0.06 kg (± 1200 - 1300 seeds). This is only a guideline, as we also request more seed as needed.

**Sowing period**
Parent line A - beginning to middle of August (depending on protocol of client). Parent line B - beginning to middle of September (depending on protocol of client).

**Nursery**
Located in George, as close as possible to the sea/ocean (frost free area and high relative humidity).

**Tunnel information**
Average area of tunnels: 240m². Average of 500 plants per tunnel. Plastic tunnels with no fans or heaters - manual ventilation. Insect proof netting. Tunnel floor area isolated with white plastic. Watering and nutrition provided by drip-irrigation.

**Transplanting in tunnel**
Transplanting in black plastic planting bags, filled with wooden sawdust. 20% of tunnel area to be transplanted by males and 80% of tunnel area by female line. Male line transplanted from beginning to middle of September. Female line transplanted from beginning to middle of October.
hybrid cucumber
seed production

**Pollination**
When female line plants reach a growth stage of ±8 nodes (±120-140cm), the pollination starts. All pollination is done by hand. Pollinated plants are marked by markers.

**Crop handling**
Plants are attached to ropes, that are attached to horizontal wires. Plants are fitted by loops in the ropes, to prevent sliding down of the plants along the ropes.

**Disease and pest control**
Pythium control after transplanting. Powdery mildew and botrytis control on a 14 day interval, if necessary.

**Seed harvest**
10 weeks after the start of hand pollination, the first 60% of fruits are harvested. Seeds are to be extracted from ripened fruit. Hand extraction and fermentation is used.

**Seed yield**
35 000 - 83 000 seeds/kg.

**Additional data**
The average amount of fruit per plant = 14, given an average of 80 seeds/fruit, which is equals to 1.

**Purity and germination**
Seed lots are analysed for purity (>100%) and germination (>95%) at the official laboratory in Oudtshoorn.