

# Harvesting of tomatoes



A project by Boerenbond & Kenniscentrum  
Groene Sectoren with the support of Cera



## SAFE AND HEALTHY

### Cultivation

#### Working above shoulder height especially when applying truss socket supports

- Use of elevations, stilts, possibly (tube rail) wagons

#### Warm weather / heat wave

- Alternate work, adequate drinking, appropriate work regime, rest in room with reduced sunlight

#### Storm

- In case of thunderstorm to shed or packing room (without glass roof)

### Lowering tomato plants

#### Repetitive work, extended left, right and overhead reaching

- Move tube rail car sufficiently often so that it is not necessary to reach far sideways
- Set pipe rail trolley high enough so that work can be done at an ergonomic height

#### Bumping head, being crushed between tube rail car and roof structure greenhouse

- Adjust maximum height tube rail car to the height of the greenhouse
- Attentive work
- 1 worker per tube rail car

#### Falling from height

- 1 worker per tube rail car
- Do not lean too far sideways
- Close gate tube rail car
- Never ignore overturn protection, at beep signal notify greenhouse manager.

### Picking tomatoes

#### Transportation equipment (tube rail cars, self-propelled carts)

- Only drive if you are designated by employer (certificate of authority)
- Do not allow passengers on machines not intended for them, only someone in the seat provided with seat belt or step)

#### Invert

- Pipes parallel and level
- Never ignore overturn protection, at beep signal notify greenhouse manager.
- Do not reach too far sideways

#### Splashes of battery fluid

- Wearing correct PPE

#### Electrification

- Correctly charging and avoiding contact

#### Explosion hazard

- Provide adequate ventilation in the charging area, remove flammable material and avoid sparks

#### Repetitive work, extended left, right and overhead reaching

- Move tube rail car sufficiently often so that it is not necessary to reach far sideways
- Set pipe rail trolley high enough so that work can be done at an ergonomic height

#### Head bump crushed between tube rail car and roof structure greenhouse

- Adjust maximum height tube rail car to the height of the greenhouse
- Attentive work
- 1 worker per tube rail car

## Traps

- Handrails present and self-closing gate not blocked
- Always actively control the pipe rail car: do not block the throttle but always operate it with your foot
- Never ignore overturn protection, at beep signal notify greenhouse manager.

## Crushing toes and feet when leaving row

- Wearing safety shoes
- Crushing by scissor mechanism
- 1 person per row

## Self-driving carts and vehicles

- Check safety sensors regularly
- Allow restart after emergency shut-down only after a forced start: no startup after error correction or back electricity
- Never step between the different carriages / carts of the trains, the safety sensors will not work then
- Do not override light curtains and switches

## Plant protection products

### Plants and racks may contain pesticide residues

- Keep skin covered (preferably long pants, long sleeves)
- Comply with repayment procedure
- Oversee hygiene measures, hand washing

## Allergic reactions

### Allergy to tomatoes (pollen)

- Reporting hay fever-like symptoms

### Allergic to humbebee stings, etc.

- Notify employer in advance so that emergency responders know what to do.

## Clearing out greenhouse after harvest

### Dust formation with possible pathogens

- Removing cut leaves
- Wear appropriate respiratory protection

## Contact with machinery or ground pulling plastic

- Using compliant machines
- Emergency stop in the immediate vicinity of the attendant of the cloth or plastic
- Trained personnel with certificates of competence
- Not allowing own personnel to work with appointed contractor
- Stay out of the driving paths of the machines

## Hearing damage

- Appropriate hearing protection

## Sorting tomatoes

### Repetitive movements

- Alternating tasks
- Set working height per person.
- Using anti-fatigue mats
- Handle correct light intensities in the sorting area
- Giving workers the opportunity to stand, sit or stand-sit
- Insert micropauses (max 1 min)