

Grapes transport cart

Task Description:

During a short seasonal period (2 weeks) grapes have to be harvested in the vineyard. Very repetitive work with high frequency is continuously performed during 8 or more hours per day. Awkward postures of wrist (one hand fixating the grapes, the other one for harvest) and flexion of the back is observed. Grapes are disposed in a bucket that people have to carry along the vines. When full, the bucket can weight 20 till even 30 kg.



Awkward back postures during harvest

Comments from the employee:

- 'The work height is not always in accordance with the working posture'
- 'It is complicated to obtain a correct working posture'
- 'It is no comfortable standing posture'

MSD risks:

- Uncomfortable postures of back, neck and wrists
- The worker is exposed to a continuously static back muscle load for several hours

Exposed areas:

- Neck / shoulder
- wrist
- upper/lower back

Solutions:

- Better working techniques
- Transport cart with possibility to sit (although not the best sitting posture) and no weight has to be lifted



Comments from the employer

The cart is not always possible to use when the ground is too uneven.