

Quad Wheel Suspension

Task Description: **Riding tractor**

Tractor drivers undergo whole body vibrations on the road and on the field.

Comments of the employee:

- 'No comfortable sitting posture'
- 'Vibrations (seat, quality floor, hand/arm machinery...)'
- 'Opportunity to have a break or change activity'

MSD risks:

- Posture
- Duration
- Vibrations (whole body or hand/arm)

Exposed areas:

- Lower back

Solutions:

- John Deere – Quad Wheel Suspension
This four wheel suspension is a combination of Independent Link Suspension and Rear Wheel Suspension (not yet commercially available). Each rear wheel is attached by two support arms (above and under) and two hydraulic cylinders (front and back). In this way the rear wheels are suspended over 130 mm independent from each other and from the front wheels.

