

Talk Led By: \_\_\_\_\_

Date: \_\_\_\_\_

Site/Location: \_\_\_\_\_

Time: \_\_\_\_\_

Weather Report/Conditions:

\_\_\_\_\_ High: \_\_\_\_\_ °C Wind Speed: \_\_\_\_\_ km/hr  
\_\_\_\_\_ Low: \_\_\_\_\_ °C Wind Gusts: \_\_\_\_\_ km/hr

## Preventing Tractor Sideways Roll Overs

A tractor's centre of gravity, or the base of its stability, is at the point where all of the tractor's weight is balanced evenly. Where and what type of implement is attached, its weight, or a where a load is carried (such as in the bucket), can change where the centre of gravity is located.

Common causes of sideways roll overs include:

- Turning sharply
- Taking a curve or bend at too high of a speed
- Driving too close to embankment or ditch, especially if the shoulders are soft
- Driving too close to an incline or bump
- Driving with the bucket or forks loaded and in a raised position

Sideways roll overs can be prevented by:

- Keeping the wheels set as wide as practical to increase the stability of the tractor; always refer to the manufacturers instructions before doing this
- Avoiding driving near embankments and ditches where possible
- Being mindful of soft shoulders on roads and near ditches and embankments; this is especially important in the spring as the ground thaws and after periods of rain
- Slowing down when making turns or driving into curves
- Keeping loader buckets and forks as close to the ground as safely possible
- Driving according to ground conditions and the load being carried
- Keeping a low speed when pulling implements and wagons
- Driving forward down steep slopes, and back up them if required
- Installing Roll Over Protective Structures (ROPS) and seatbelts on equipment that does not already have a cab
- Ensuring only trained and competent individuals operate equipment, especially when ground conditions or the load being carried requires additional skill and experience (this is especially important when the farm has youth or newer workers performing work)

**According to the Canadian Centre for Occupational Health and Safety, 85% of all tractor roll overs are sideways roll overs!**



*(Canadian Centre for Occupational Health and Safety, 2017)*

## Additional Topics/Discussion:

*Might include task/job details, hazards and hazard controls, worksite specific emergency response, etc.*

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## Attendance:

Print Name	Position/Trade/Company	Sign Name
1.		
2.		
3.		
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9.		
10.		

Sources: Canadian Centre for Occupational Health and Safety (CCOHS). (2017, October). - Roll-over Prevention. Ccohs.ca. Retrieved March 16, 2022, from [https://www.ccohs.ca/oshanswers/safety\\_haztractors/rollover.html](https://www.ccohs.ca/oshanswers/safety_haztractors/rollover.html).