# Tractor Driving on Slopes (Full Range of Equipment)

**CLVT31X**

| Credit value |  
| Notional level |  
| Subject area classification | 3.1 Agriculture  
| Course type | Integrated Training and Assessment  

## Objectives
- To understand the main causes of accidents involving tractors on slopes.
- To recognise the safe working slope for tractor implement combinations on typical ground surface conditions.
- To measure slopes in field conditions.
- To be able to assess the suitability of any ground, before you drive over it.
- To prepare and perform the necessary maintenance to ensure the safety of a tractor on a slope.
- To perform adjustments to your tractor and machinery to increase its safety potential.
- To safely operate a tractor on sloping land with a variety of tractor implement combinations on typical ground surface conditions.
- To identify the onset of a potential ‘loss of control’ situation.

## Target audience
Any farmer, manager, supervisor or tractor driver who is or will be required to operate any machine on sloping land. All learners must be able to demonstrate that they are competent in driving on normal land.

## Duration/timing
Two days

## Ratios
- Instructor : learner 1:6  
  1:3 for practical driving  
- Machine : learner 1:2

## Course sessions
- Accident causes  
- Experimental investigation  
- Maintenance  
- Practical preparation  
- Practical assessment of slopes  
- Reporting back  
- Driving on slopes  
- Warning signs  
- Additional factors

## Facilities and equipment
It is strongly recommended that you liaise closely with the course organiser to ensure you have all the facilities and equipment you need.

## Training provider
- Lapel badges.
- Tractors complying with safety regulations in a well-maintained state as follows:
  - 2 WD normal track width  
  - 2 WD wide track and or duals  
  - 4 WD normal track width (at least one machine per two learners).
- One tractor to be equipped with front end loader.
- Suitable typical implements for the tractors, for example Mounted (plough), Roller, Trailer (tandem axle and brakes), Forage harvester.
Facilities and equipment continued

- A JCB or similar digger is very useful.
- First aid equipment (which complies with Health and Safety (First Aid) Regulations 1981).
- Fire extinguisher.
- Flipchart board (for newsprint, flipcharts and so on plus pens).
- Ear defenders (if applicable).
- Dry, clean, building with room for all machinery to be worked upon, with light and heating if necessary.
- Classroom with seating for learners.
- At least one trailed implement to suit drawbar.
- Suitable tools for wheel nuts and so on.
- Large area of suitable surface for jacking up tractors.
- Suitable jacks (bottle and trolley) and axle stands.
- Wooden blocks and chocks.
- Tractor wheel weights (rear).

Instructor

- Operator’s instruction books for all machines.
- Notebook and pencil.
- Colour coded cones for marking field (12/colour).

Learner

- Operator’s instruction books for all machines.