

Flory Shuttle Truck Operation

Safe Operating Procedures | Almond farms | English transcript

General information only. Your host will provide the exact site procedure, machine instructions, PPE requirements and practical training before you start work. This video does not authorise equipment operation.

0:04 Before you start

This video provides general information for workers on almond farms. Before you start work, your host employer will explain the exact safe operating procedure, machine instructions and personal protective equipment required at your site. This video supports training. It does not replace practical training, assessment, supervisor sign-off or a training record. English is the authoritative version.

0:39 Step 1

Pre-start/safety meeting

Potential risk.

Employees not aware of traffic management requirements may lead to serious collision resulting in injury to operator and damage to equipment

Poor communication when machinery is moved from block to block

Employees with language barriers may not understand traffic management plans

Employees taking short cuts through headlands may lead to collisions resulting in injury to employees and damage to equipment

Risk treatment.

Employees MUST attend morning pre-starts in front of the orchard activity board

host employer management MUST communicate traffic routes before the start of each shift

Equipment specific supervisors MUST reiterate traffic management plans to their teams

If there are language barriers an interpreter MUST be used to communicate traffic management requirements

If traffic management changes throughout the day host employer management and supervisors are responsible for communicating changes to employees and updating the orchard activity board.

1:52 Step 2

Training and Safety

Potential risk.

Workers unsure of the process may lead to unwanted events which may result in injury, fatality or damage to equipment.

Risk treatment.

At the end of this training which includes the practical component if you are unsure of the process do not proceed contact your Supervisor and the Orchard Manager immediately

If at any time during this process you feel unsafe you are authorised and expected to stop

Contact your Supervisor and the Orchard Manager immediately

2:31 Step 3

Complete the Flory shuttle truck daily checklist.

Potential risk.

Machinery breakdown of shuttle truck.

Injury to shuttle truck operator.

Injuries to operators because of poor ergonomics.

Injury to workers/damage to machinery due to adjusting seat whilst operating

Risk treatment.

Ensure Shuttle trucks are lined up side by side distance of 3 meters between each machine during pre-start checks.

The horn Must be sounded on all occasions when lifting or lowering the shuttle truck tub. (NOTE: ONLY during pre-start check.)

Check UHF radio is in good working order

Ensure all windows are cleaned to ensure good visibility(NOTE: Never use chemical cleaning products as this will cause the poly carbonate to fade resulting in poor vision through windows. Use soapy water only.

Ensure seating is in good condition and adjustable to suit operator.

Lock seat into correct position

Shut down and isolate shuttle truck during checks.

Report all faults immediately, to the Supervisor do not operate.

Equipment supervisor must monitor pre-start operation

Pre-start checks must be documented.

3:59 Step 4

Start engine

Potential risk.

Machinery breakdown of shuttle truck.

Poor operation shuttle truck by worker.

Dust inhalation

Inefficient air conditioning.

Machine articulating accidentally if operator gets in and out of drivers seat while engine running.

Risk treatment.

Allow at least 5 minutes warm up and test controls whilst waiting.

During pre - starts no one is authorised to be standing within 5 meters of the shuttle truck.

NOTE: Do not get in and out of drivers seat while engine running.

The cab fan must be turned on at all times as it draws clean air into cab through an air filter and pressurises the cab.

Ensure the foot brake is engaged during start up.

To test foot brake put the paddle shift in forward position move off slowly and engage the foot brake to ensure brake engages.

NOTE: report all faults immediately do not move the machine.

Do not get in and out of drivers seat while engine running.

5:12 Step 5

Travel to work area to load from almond pickup.

Potential risk.

Accidents due to poor brakes

Traffic accidents at headlands and blind corners.

Accidents due to poor vision. Speeding

Risk treatment.

Sound horn wait 3 seconds before moving off

Always travel at 10 kms when around the hub and workshop areas.

Maximum speed should only be used on designated fast tracks

Travel to work area understanding the traffic management plan and comply with all traffic control signage including speed limits.

Operators to use seat belts at all times.

Operator to regularly clean windows of shuttle truck.

Travel on fast tracks and on main headlands only.

Travel at safe speeds at all times, taking extra care on sandy corners and blind rises.

Be especially aware in dusty conditions, direct sunlight on dusty windscreens and at dawn and dusk.

Adhere to orchard speed limits at all times.

6:24 Step 6

Banking out pickup trailer

Potential risk.

No communication by shuttle truck or pickup operators.

Ramming the pickup trailer.

Poor alignment of Pickup trailer and shuttle truck.

Injury to operators.

Damage to shuttle truck or pickup due to over speed

Risk treatment.

Before approaching the pickup at the end of the row stop select neutral turn seat brake and move off into the row at low speed. Note ensure the shuttle truck is centred in the middle of the row at all times.

NOTE: Always make small adjustments to the steering as the articulation will exacerbate the movement

When approaching the Pickup call the operator via UHF and ask them to stop in preparation for banking out.(NOTE never bank out on the move)

Approach pickup trailer very carefully at low speed.

When the pickup operator has stopped the tractor approach slowly and engage the trailer empty lever.(NOTE: Never ram the trailer empty lever)

Be aware of alignment at all times during loading of shuttle truck.

Maintain constant radio communication with the pickup operator at all times

If the shuttle truck engages the pickup trailer to unload and there is no off loading of nuts into the shuttle truck ,stop immediately,contact the supervisor,switch off both machines and wait for assistance from the supervisor maintaining radio contact.

Ensure that the shuttle truck is travelling through rows at a suitable speed to suit the conditions at all times before engaging the trailer empty lever.

8:16 Step 7

Starting the shuttle truck augers

Potential risk.

Poor alignment of pick-up trailer and shuttle truck.

Risk treatment.

When operating the augers ensuring the nuts are moving towards the cab

Be aware of alignment at all times during loading of shuttle truck.

NOTE: Never enter the bins of the shuttle truck or pickup unless both machines are full isolated and you have been given permission from site management.

8:48 Step 8

Disengaging from pickup

Potential risk.

Radio not working or audible by pickup operator.

Loss of nuts on ground from control switch not working properly.

Risk treatment.

Radio pickup operator and communicate that he has been unloaded and you are dis - engaging from the pickup trailer

9:13 Step 9

Return to the elevator site

Potential risk.

Injury to shuttle truck operator whilst travelling on rough and uneven ground.

Traffic accidents entering headlands and blind corners.

Accidents due to poor vision.

Speeding with loaded shuttle truck.

Risk treatment.

Return travel to the end of tree row headland.

Ensure that the travel headland is clear.

Slowly enter headland looking both ways.

Return to the elevator loading site at safe speed, remaining alert for all other traffic.

Shuttle truck operators must wear properly adjusted seat belts at all times.

Stop before entering headland and travel at safe speeds at all times.

Operator to regularly clean windows of shuttle truck.

Adhere to orchard speed limits and be trained in awareness of low control areas such as loose sand.

10:16 Step 10

Arriving at the elevator site

Potential risk.

Traffic accidents in congested area.

Damage to elevator hopper and shuttle truck.

People standing in front of moving machinery

Risk treatment.

Wait at the elevator go line for indication from elevator operator to unload (sit at idle speed)

Approach elevator as slow and as close to the elevator bin as possible.(NOTE: No pedestrians are to be standing in front or be within 5 meters of moving machinery)

Select neutral when in position.

10:59 Step 11

Unloading the shuttle truck at the elevator site

Potential risk.

Overloading of elevator hopper.

Damage to shuttle truck hydraulics

Workers crushed between shuttle truck and elevator hopper.

Workers falling into the elevator hopper.

Jamming of conveyor hopper belt.

Contact with elevator wheel on entry.

Risk treatment.

Be aware all times as to where the elevator operator is positioned.

Align the shuttle truck in the correct position before lifting the tub. Note: (On some elevators extra care needs to be taken as Flory Trucks are longer and wider than other bank outs, risk of hitting elevator wheel)

Commence the lift and ensure a steady flow of almonds to the elevator hopper.

NOTE: Do not rev engine maintain half revs.

Slow the lift rate when close to full extension of hydraulic ram.

Operator must stay in the shuttle truck at all times.

NOTE: Never open the door or window when approaching the elevator

Elevator hopper must be fitted with working emergency stop switches.

12:14 Step 12

Monitoring the elevator belt

Potential risk.

Jamming of conveyor hopper belt.

Risk treatment.

Be aware all times as to where the elevator operator is positioned.

Elevator and shuttle truck operator must watch the tub, belt and hopper to monitor any blockages

If there is a blockage the elevator operator will clear all blockages once elevator has been isolated

NOTE: Always wear positive sealed glasses and gloves when clearing blockages.

12:50 Step 13

When the shuttle truck is empty

Potential risk.

Traffic accidents in congested area.

Damage to elevator hopper and shuttle truck when reversing away from the elevator

Roll over damage to shuttle truck through travelling with hoist extended.

Impact with workers at the rear of shuttle truck

Risk treatment.

When you have unloaded the shuttle truck slowly retract the shuttle truck tub

The elevator operator will communicate with you to move away from the elevator.

When reversing keep the shuttle truck as straight as possible.

NOTE: only make small adjustments with steering when reversing due to articulation.

Sound the horn and reverse away from hopper.

When reversing ensure the elevator operator and other pedestrians are well clear a minimum of 5 meters to the side of all operating equipment

13:52 Step 14

End of shift routine maintenance

Potential risk.

Cuts, lacerations and eye injuries from jammed sticks.

People being crushed between the cab and the tub

Traffic accidents due to speeding.

Foreign matter in eyes.

Dust inhalation

Torn / Damage skin from compressed air pressure.

Noise

Isolating the shuttle truck before the ad blue light goes off may cause the fuel lines to crystallise

Shuttle truck not being isolated

Risk treatment.

Workers to wear required PPE

When the work shift is finished, Clean down the shuttle truck in the orchard and return to blow down area

Blow machine down then park at the maintenance area.

Ensure nuts are blown away between the cab and the tub.

NOTE: never use your hands to remove nuts from between the cab and the tub

Ensure the shuttle truck is refuelled in preparation for the next shift.

When using compressed air safety goggles with strap must be worn

Due to fuel lines crystallising if the shuttle truck is isolated to early Only Maintenance Controllers are authorised to Isolate the shuttle truck at the end of the shift

15:13 Qualifications and experience

Qualifications and experience.

All employees/ workers must be trained, hold relevant licenses, and be assessed as competent before operating any equipment on host employer sites. there must be safety induction records with the workers' name on the records. where licenses are required a copy of this must be on site file or personal file.

15:41 Duties and responsibilities

Duties and responsibilities.

All employees/ workers must adhere to host employer policies and procedures and report any concerns and incidents immediately to their manager/ supervisor. it is the responsibility of both host employer onsite management and contractor companies to identify language barriers and provide interpreters where required.

16:10 Training required

Training required.

All employees/ workers must have been inducted to the site and deemed competent in relevant Safe Operating Procedure and site traffic management plans. site managers must sign off all Safe Operating Procedure before employees/ worker start work on site or equipment. training should be completed by a competent person or training organization.

16:39 Codes of practice and legislation

Codes of practice and legislation.

All employees/ workers must adhere to codes of practice, standards and guideline, whs and ohs acts and regulations.

16:56 Plant, equipment and PPE

Plant, equipment and PPE.

Job specific protective personal equipment (ppe) must be identified and worn when required (i.e. positive sealed goggles with a strap when using compressed air). PPE is a shared responsibility between your host employer and Orchard Tech. Your host employer will provide the PPE required for your task. If the required PPE has not been supplied, stop work and contact Orchard Tech. workers to wear all outdoor ppe where required – wear positive sealed eye protection, gloves, hat, sunburn cream, steel capped boots, long sleeve shirts and long trousers. hi viz clothing must be worn at all times.

17:52 Maintenance checks

Maintenance checks.

If a vehicle, plant, equipment, or machinery is found to be defective or damaged, it must be tagged with 'out of service' tag until repaired and isolation register completed. daily pre-start/ pre-shift checks and post-checks if required are to be completed and recorded in all instances. maintenance teams are responsible for all maintenance on equipment. workers can only undertake maintenance if they have been adequately trained in the relevant process.

18:31 Before work starts

This video provides general information. Before you start work, your host employer will explain the exact procedure and provide practical training for your site. This video does not replace assessment, supervisor sign-off or a training record. If you do not understand something, use the English or talk to your supervisor at the host employer site. The host will provide you with an interpreter.

Orchard Tech · hari@orchardtech.com.au · 0439 32 32 32