



# Environmental impact identification table

## Growing the crop – process flow

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
<b>Select site</b>	Soil erosion	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/waterways
	Removal or destruction of rare/ endangered flora or fauna	Loss of biodiversity	Reduction of wildlife corridors
	Catchment management plan or other statutory requirements not considered/ adhered to	Legislative penalties	Compromises catchment aims and objectives
	Horticultural production (monoculture)		Loss of biodiversity, reduction of wildlife corridors
	Unaware of existence of rare/endangered flora or fauna		Loss of biodiversity, reduction of wildlife corridors
	Detrimental impact on riparian zones, wetlands or other sensitive vegetation types	Soil erosion Reduction of water quality	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/waterways Loss of biodiversity, reduction of wildlife corridors
	Detrimental impact on water resource/ environmental flows	Reduction of water availability and quality	Sedimentation of rivers/waterways Loss of aquatic habitat
	Inappropriate land use or clearing	Salinity Reduction of arable land Sodicity Reduction of arable land Soil erosion Waterlogging	Reduction of arable land Spread of saline land and water Effects on buildings Effects on native vegetation Reduction of arable land Sedimentation of rivers/waterways Nutrients and agricultural chemicals Effects on native vegetation
<b>Prepare site</b>	Soil erosion	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/waterways
	Detrimental impact on soil structure, soil compaction	Degradation of soil quality Increased run-off	Sedimentation of rivers/waterways Increased run-off
	Oil or fuel spillage	Contamination of land Contamination of surface water and/or groundwater	Contamination of surface water and/or groundwater
	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Contamination of land Contamination of surface water and/or groundwater Wasting resources	Atmospheric pollution by greenhouse gases Contamination of surface water and/or groundwater
	Nutrient leaching (inappropriate rate or type of fertiliser)	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Soil acidification Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Atmospheric pollution by greenhouse gases Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna
	Pollution – inappropriate application of fertiliser to non- cropping areas (throwing into waterways, dams, remnant vegetation)	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Soil acidification Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal bloom Adverse impact on flora and fauna

## Environmental impact identification table - Growing the crop

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
<b>Prepare site (cont)</b>	Pollution – inappropriate storage of fertilisers	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Soil acidification Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal bloom Adverse impact on flora and fauna Discomfort or Inconvenience of local residents (odour)
	Pollution – inappropriate storage of agricultural chemicals	Adverse impact on flora and fauna Contamination of surface water and/or groundwater	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Pollution – inappropriate disposal of agricultural chemicals, surplus agricultural chemicals and rinsates	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Pollution – inappropriate mixing site for agricultural chemicals	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Traffic – noise, dust, fumes	Adverse impact on flora and fauna Movement of contaminants (chemical, weed seed) by machinery	Adverse impact on flora and fauna
<b>Prepare nursery potting media</b>	Pollution – leaching of nutrients and other soluble pollutants	Contamination of surface and/or groundwater	Contamination of surface and/or groundwater
	Pollution– litter and other floating contaminants	Contamination of surface and/or groundwater	Contamination of surface and/or groundwater
	Pollution – dust, odour	Inconvenience to staff	Inconvenience to local residents
<b>Planting</b>	Soil erosion	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/waterways
	Detrimental impact on soil structure, soil compaction	Degradation of soil quality Increased run-off	Sedimentation of rivers/waterways Increased run-off
	Oil or fuel spillage	Contamination of land Contamination of surface water and/or groundwater	Contamination of surface water and/or groundwater
	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Contamination of land Contamination of surface water and/or groundwater Wasting resources	Atmospheric pollution by greenhouse gases Contamination of surface water and/or groundwater
	Traffic – noise, dust, fumes	Adverse impact on flora and fauna Movement of contaminants (chemical, weed seed) by machinery	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna
	Nutrient leaching (inappropriate rate or type of fertiliser)	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Soil acidification Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Atmospheric pollution by greenhouse gases Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna
	Pollution - inappropriate application of fertiliser to non cropping areas (throwing into waterways, dams, remnant vegetation)	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Soil acidification Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna

## Environmental impact identification table - Growing the crop

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
<b>Planting (cont)</b>	Inefficient use of water resource	Rising water table Increasing soil salinity from rising water table Soil erosion (see above) Nutrient leaching (see above) Waterlogging Contamination of land and water from run-off of contaminated water (chemicals/nutrients) Adverse impact on flora and fauna (environmental flows, reduction of habitat in dams/lakes) Depletion of water table (water taken from bores) Reduction of water quality	Rising water table Increasing soil salinity from rising water table Soil erosion (see above) Nutrient leaching (see above) Contamination of land and water from run-off of contaminated water (chemicals/nutrients) Loss of aquatic habitat, adverse impact on flora and fauna (environmental flows, reduction of habitat in dams/lakes) Depletion of water table (water taken from bores) Reduction of water quality
	Energy inefficiency – irrigation equipment/timing of irrigation	Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases
	Pollution – leaching of nutrients	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna
	Salinity/sodicity – inappropriate rate of irrigation or quality of irrigation water	Reduction of arable land Soil erosion Waterlogging	Reduction of arable land Spread of saline land and water Effects on buildings
	Selecting environmental weeds for nursery propagation and sale		Effects on native flora and fauna Loss of biodiversity
	<b>Irrigating</b>	Soil erosion	Loss of topsoil and nutrients
Detrimental impact on soil structure, soil compaction		Degradation of soil quality Increased run-off	Sedimentation of rivers/waterways Increased run-off
Oil or fuel spillage		Contamination of land Contamination of surface water and/or groundwater	Contamination of surface water and/or groundwater
Inefficient or polluting equipment		Atmospheric pollution by greenhouse gases Contamination of land Contamination of surface water and/or groundwater Wasting resources	Atmospheric pollution by greenhouse gases Contamination of surface water and/or groundwater
Traffic – noise, dust, fumes		Adverse impact on flora and fauna Movement of contaminants (chemical, weed seed) by machinery	Inconvenience to local residents Adverse impact on flora and fauna
Inefficient use of water resource		Rising water table Increasing soil salinity from rising water table Soil erosion (see above) Nutrient leaching (see above) Waterlogging Contamination of land and water from run-off of contaminated water (chemicals/nutrients) Adverse impact on flora and fauna (environmental flows, reduction of habitat in dams/lakes) Depletion of water table (water taken from bores) or water from rivers and creeks Reduction of water quality	Rising water table Increasing soil salinity from rising water table Soil erosion (see above) Nutrient leaching (see above) Contamination of land and water from run-off of contaminated water (chemicals/nutrients) Loss of aquatic habitat, adverse impact on flora and fauna (environmental flows, reduction of habitat in dams/lakes) Depletion of water table (water taken from bores) or water from rivers and creeks (environmental flows) Reduction of water quality
Energy inefficiency – irrigation equipment/timing of irrigation		Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases

## Environmental impact identification table - Growing the crop

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
<b>Irrigating (cont)</b>	Pollution – leaching of nutrients	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna
	Salinity / sodicity – inappropriate rate of irrigation or quality of irrigation water	Reduction of arable land Soil erosion Waterlogging	Reduction of arable land Spread of saline land and water Effects on buildings Effects on flora and fauna
<b>Crop nutrition</b>	Pollution – inappropriate storage of fertilisers	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna
	Pollution – inappropriate application of fertiliser to non cropping areas (throwing into waterways, dams, remnant vegetation)	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Soil acidification Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna
	Nutrient leaching (inappropriate rate or type of fertiliser)	Contamination of surface water and/or groundwater Eutrophication of surface waters and algal blooms Soil contamination Soil acidification Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Atmospheric pollution by greenhouse gases Eutrophication of surface waters and algal blooms Adverse impact on flora and fauna
<b>Pest/ disease / weed management</b>	Pollution – inappropriate storage of agricultural chemicals	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Pollution – inappropriate disposal of used chemical containers	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Pollution – inappropriate disposal of used chemical containers	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna Impacts on landfill capacity
	Pollution – off target application of agricultural chemicals	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna Disruption of Integrated Pest Management strategies Adverse impact on other crops	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
<b>Pruning / training</b>	Escapes/volunteer growth	Adverse impact on flora and fauna, invasion of native habitat Requirement for control measures to be implemented (chemical, mechanical etc)	Adverse impact on flora and fauna, invasion of native habitat Requirement for control measures to be implemented (chemical, mechanical etc)
<b>Crop / growth regulation</b>	Pollution – inappropriate storage of agricultural chemicals	Contamination of surface water and/or groundwater Soil contamination	Contamination of surface water and/or groundwater Adverse impact on flora and fauna

## Environmental impact identification table - Growing the crop

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
<b>Crop / growth regulation (cont)</b>	Pollution – inappropriate disposal of used chemical containers	Adverse impact on flora and fauna Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna Impacts on landfill capacity
	Pollution – inappropriate disposal of agricultural chemicals, surplus agricultural chemicals and rinsates	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Pollution – off target application of agricultural chemicals	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
<b>Weather / vermin protection</b>	Trapping fauna (in netting)	Adverse impact on flora and fauna	Adverse impact on flora and fauna
	Noise generation (scarers)	Disturbance to other fauna	Discomfort or inconvenience of local residents
<b>Harvest</b>	Change to visual landscape Oil or fuel spillage	Contamination of land Contamination of surface water and/or groundwater	Disturbance to other fauna Contamination of surface water and/or groundwater inconvenience of local residents
	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Contamination of land Contamination of surface water and/or groundwater Wasting resources Traffic – noise, dust, fumes Adverse impact on flora and fauna Movement of contaminants (chemical, weed seed) by machinery	Atmospheric pollution by greenhouse gases Contamination of surface water and/or groundwater
	Traffic – noise, dust, fumes	Adverse impact on flora and fauna Movement of contaminants (chemical, weed seed) by machinery	Inconvenience to local residents Adverse impact on flora and fauna
	Soil erosion	Loss of topsoil and nutrients	Sedimentation of rivers/waterways
	Detrimental impact on soil structure, soil compaction	Degradation of soil quality Increased run-off	Sedimentation of rivers/waterways Increased run-off
	Escapes/volunteer growth	Adverse impact on flora and fauna, invasion of native habitat Requirement for control measures to be implemented (chemical, mechanical etc)	Adverse impact on flora and fauna, invasion of native habitat Requirement for control measures to be implemented (chemical, mechanical etc)
	<b>Transport to packing shed</b>	Oil or fuel spillage	Contamination of land Contamination of surface water and/or groundwater
<b>Transport to packing shed</b>	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Contamination of land Contamination of surface water and/or groundwater Wasting resources	Atmospheric pollution by greenhouse gases Contamination of surface water and/or groundwater
	Traffic – noise, dust, fumes	Adverse impact on flora and fauna Movement of contaminants (chemical, weed seed) by machinery	Inconvenience to local residents Adverse impact on flora and fauna
	Soil erosion	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/waterways
<b>Post-harvest site management</b>	Use of livestock to remove crop residues (scavengers)	Soil compaction Degradation of soil quality Increased run-off Escapes/volunteer growth	Sedimentation of rivers/waterways increased run-off Escapes/volunteer growth
	Weed transmission by scavengers	Requirement for control measures to be implemented (chemical, mechanical etc) Inefficient and polluting equipment	Requirement for control measures to be implemented (chemical, mechanical etc)

Based on 'Growing the crop' process flow – Guidelines for on-farm food safety for farm produce process flow (DAFF, 2004).

Field packing

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
Washing	Soil erosion – inappropriate disposal of wash water	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/ waterways
	Pollution – inappropriate disposal of wash water, particularly if containing sanitisers/agricultural chemicals	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Salinity / sodicity – inappropriate rate of irrigation or quality of irrigation water	Reduction of arable land Soil erosion Waterlogging	Reduction of arable land Spread of saline land and water Effects on buildings Effects on flora and fauna
Grading and packing	Pollution – inappropriate disposal of waste produce	Contamination of land, surface water and/or groundwater Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna Discomfort or inconvenience of local residents
	Oil or fuel spillage	Contamination of land Contamination of surface water and/or groundwater	Contamination of surface water and/or groundwater
	Pollution – inappropriate disposal of unsatisfactory packaging		Rubbish in waterways Inconvenience to local residents Atmospheric pollution by greenhouse gases
	Noise	Adverse impact on/disturbance of fauna	Adverse impact on fauna Inconvenience to local residents
Palletising	Pollution – inappropriate disposal of unsatisfactory pallet wrap		Rubbish in waterways Inconvenience to local residents Atmospheric pollution by greenhouse gases
Transport	Oil or fuel spillage	Contamination of land Contamination of surface water and/or groundwater	Contamination of surface water and/or groundwater
	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Contamination of land Contamination of surface water and/or groundwater Wasting resources	Atmospheric pollution by greenhouse gases Contamination of surface water and/or groundwater
	Traffic – noise, dust, fumes	Adverse impact on flora and fauna Movement of contaminants (chemical, weed seed) by machinery	Inconvenience to local residents Adverse impact on flora and fauna
	Soil erosion	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/ waterways
	Detrimental impact on soil structure, soil compaction	Degradation of soil quality increased run-off	Sedimentation of rivers/waterways increased run-off
Precooling / storage	Noise	Adverse impact on/disturbance of fauna	Inconvenience to local residents Adverse impact on fauna
	Pollution – use of electricity and coolants	Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases (CFC refrigerants)
	Pollution – coolant leakage	Contamination of land	Contamination of surface water and/or groundwater

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
Dispatch	Oil or fuel spillage	Contamination of land	Contamination of surface water and/or groundwater
	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Contamination of land Contamination of surface water and/or groundwater Wasting resources	Atmospheric pollution by greenhouse gases Contamination of surface water and/or groundwater
	Traffic – noise, dust, fumes	Adverse impact on flora and fauna Movement of contaminants (chemical, weed seed) by machinery	Inconvenience to local residents Adverse impact on flora and fauna
	Soil erosion	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/ waterways
	Detrimental impact on soil structure, soil compaction	Degradation of soil quality Increased run-off	Sedimentation of rivers/waterways Increased run-off

Based on 'Field Packing' process flow – Guidelines for on-farm food safety for farm produce process flow (DAFF, 2004).

# Environmental impact identification table - Shed packing

## Shed packing

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
<b>Receive/ unload</b>	Soil erosion – inappropriate disposal of dump tank/wash water	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/waterways
	Pollution – inappropriate disposal of dump tank/wash water, particularly if containing sanitisers/ agricultural chemicals	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Pollution – inappropriate disposal of waste produce	Contamination of surface water and/or groundwater Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna Discomfort or inconvenience of local residents
<b>Curing</b>	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases
	Noise	Adverse impact on/disturbance of fauna	Inconvenience to local residents Adverse impact on flora and fauna
<b>Precooling</b>	Noise	Adverse impact on/disturbance of fauna	Inconvenience to local residents Adverse impact on flora and fauna
	Pollution – use of electricity and coolants	Atmospheric pollution by greenhouse gases Wasting resources	Inconvenience to local residents Adverse impact on flora and fauna
	Pollution – coolant leakage	Contamination of land Contamination of surface water and/or groundwater	Atmospheric pollution by greenhouse gases (CFC refrigerants)
<b>Destemming / dehanding / defuzzing / trimming</b>	Pollution – inappropriate disposal of dump tank/wash water, particularly if containing surfactant/ sanitisers/ agricultural chemicals	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Pollution – inappropriate disposal of waste produce	Contamination of surface water and/or groundwater Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna Discomfort or inconvenience of local residents
<b>Washing</b>	Soil erosion – inappropriate disposal of wash water	Loss of topsoil and nutrients	Sedimentation of rivers/waterways
	Pollution – inappropriate disposal of wash water, particularly if containing sanitisers/agricultural chemicals and/or organic matter	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater with chemicals and organic matter Adverse impact on flora and fauna
	Pollution – coolant leakage	Contamination of land	Contamination of surface water and/or groundwater
<b>Chemical treatment</b>	Pollution – inappropriate storage of post harvest chemicals	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
	Pollution – inappropriate disposal of used chemical containers	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna Impacts on landfill capacity
	Pollution – inappropriate disposal of post harvest chemicals, surplus post harvest chemicals and rinsates	Contamination of surface water and/or groundwater Soil contamination Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna
<b>Waxing</b>	Pollution – inappropriate disposal of waxes	Contamination of surface water and/or groundwater Soil contamination	

# Environmental impact identification table - Shed packing

Step	Hazard (the thing that happened, the thing you do)	Environmental impact – on farm	Environmental impact – off farm
<b>Drying / polishing</b>	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases
	Noise	Adverse impact on/disturbance of fauna	Inconvenience to local residents
<b>Grading and packing</b>	Pollution – inappropriate disposal of waste produce	Contamination of surface water and/or groundwater Adverse impact on flora and fauna	Contamination of surface water and/or groundwater Adverse impact on flora and fauna Discomfort or inconvenience of local residents
	Pollution – inappropriate disposal of unsatisfactory packaging		Rubbish in waterways Inconvenience to local residents Atmospheric pollution by greenhouse gases
	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases
	Noise	Adverse impact on/disturbance of fauna	Inconvenience to local residents
<b>Top-icing</b>	Oil or fuel spillage	Contamination of land Contamination of surface water and/or groundwater	Contaminataion of surface water and/or groundwater
	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases
<b>Palletising</b>	Pollution – inappropriate disposal of unsatisfactory pallet/product wrap		Rubbish in waterways Inconvenience to local residents Atmospheric pollution by greenhouse gases
	Pollution – use of electricity and coolants	Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases (CFC refrigerants)
	Pollution - coolant leakage	Contamination of land Contamination of surface water and/or groundwater	Contamination of surface water and/or groundwater
<b>Dispatch</b>	Oil or fuel spillage	Contamination of land Contamination of surface water and/or groundwater	Contamination of surface water and/or groundwater
	Inefficient or polluting equipment	Atmospheric pollution by greenhouse gases Contamination of land Contamination of surface water and/or groundwater Wasting resources	Atmospheric pollution by greenhouse gases Contamination of surface water and/or groundwater
	Traffic – noise, dust, fumes	Adverse impact on flora and fauna	Inconvenience to local residents Adverse impact on flora and fauna
	Soil erosion	Loss of topsoil and nutrients	Sedimentation of rivers/waterways Nutrients and agricultural chemicals entering rivers/waterways
	Detrimental impact on soil structure, soil compaction	Degradation of soil quality Increased run-off	Sedimentation of rivers/waterways Increased run-off
	Pollution – use of electricity	Atmospheric pollution by greenhouse gases Wasting resources	Atmospheric pollution by greenhouse gases Inconvenience to local residents (lighting at night)
	Noise	Adverse impact on/disturbance of fauna	Inconvenience to local residents Adverse impact on fauna

Based on 'Shed Packing' process flow. Guidelines for on-farm food safety for farm produce process flow (DAFF, 2004)