



Work-related Agricultural Fatalities in Washington State, 1998-2005

Agricultural workers are exposed to many hazardous work environments. The fatality rate for the agriculture, forestry, and fishing industry in Washington State in the years 1998 to 2002 was 25.7 fatalities/100,000 workers, by far the highest of any major industry division.¹ From 1998 to 2005, there were 85 agricultural work-related fatalities in Washington State. The data presented in this report describes the circumstances connected with these deaths. Identifying common elements associated with these deaths may provide insight into what might be done to most effectively prevent future fatalities.

The Fatality Assessment and Control Evaluation (FACE) Program, operated by the Safety and Health Assessment and Research for Prevention (SHARP) Program at the Washington State Department of Labor and Industries provided the data and analysis for this report. The incidents were classified in the agriculture industry by the North American Industry Classification System (NAICS). Specific NAICS codes included were: 111 (crop production), 112 (animal production), 11321 (forest nurseries and forest products gathering), 1151 (support activities for crop production), 1152 (support activities for animal production), and 56173 (landscaping services). Sectors included crop and animal farming, landscaping/tree services, and agricultural support services but excluded forestry, logging, hunting, fishing and trapping.

The following text summarizes the data in Figures 1-9, while Table 1 lists all of the fatalities by county with the date of the incident, the industry of the business involved, the occupation of the worker, and a brief narrative of the incident. The National Institute for Occupational Safety and Health (NIOSH) provided partial funding for this work via cooperative agreement #U60/OH008336.

Data Summary of Agricultural Fatalities²

- Workers between the ages of 18 and 29 had the highest number of fatalities (22), followed by ages 30 to 39 with 18 fatalities. Other age groups, including those 70 years old and older, had between 5 and 14 workers die during the time period covered in this report. (Figure 1)
- Males accounted for 98% of the fatalities (Figure 2) compared to approximately 70% of the workforce.³
- Workers of Hispanic origin accounted for 39% of the fatalities (Figure 3) compared to approximately 69% of the workforce.³
- There has been an average of just over 10 fatalities in agriculture per year. This has been fairly consistent over the last six years, with a range of 9 to 15 incidents during that

¹ Data from the WA FACE Program and the Current Population Survey.

² For this report the agriculture industry as defined by North American Industrial Classification System (NAICS) codes. Forestry and fishing related fatalities are not included in this report. Work-related fatalities are defined elsewhere (<http://www.lni.wa.gov/safety/research/face>).

³ "Agricultural Workforce in Washington State, 2001", Labor Market and Economic Analysis Branch, Washington State Employment Security Department., June 2002.

period. No clear trend of fatalities over time is apparent, but the most fatalities occurred in 1998 and 2004 (15), and fewest in 1999 (5). (Figure 4)

- When the fatalities are totaled by month over the 8-year period, January showed the lowest number of fatalities with 3 and March had the highest number with 11. (Figure 5)
- Fatalities were distributed across agricultural industry sectors (Figure 6). Fruit and tree nut farms had the highest percentage of fatalities (20%). In 2001, tree fruits accounted for 41%, wheat 2%, field crops 6%, and general farms 6% of the jobs in agriculture,³ which is a different balance than the distribution of fatalities. This suggests that workers in the tree fruit sector may actually have a lower risk of fatal injury compared to those in the other sectors.
- Motor vehicles collisions and machinery together accounted for 56% of the fatalities. The machinery-related incidents were relatively spread out between the categories of being caught in, run over, and overturned onto. Incidents where a tractor was traveling on a public roadway were considered a “motor vehicle” incident. All other tractor incidents were considered “machinery” related. (Figure 7)
- Sixty-five percent of the victims were farmworkers, whereas farmers accounted for only 28% of the deaths. Both the farmers and farmworkers were killed in incidents relating to motor vehicle and machinery use, but only the farmworkers were killed by homicide and drowning. (Figure 8)
- Twenty-eight percent of the fatalities occurred in Yakima and Grant counties, while 22% of the fatalities occurred in Benton, Franklin, and Lewis counties. (Table 1)

Tractor-related Fatalities

For the years 1998-2005, there were 10 tractor or combine-related overturn deaths in agriculture. Nine of these involved orchard tractors. These incidents are described below:

- 4 overturns while pulling equipment
- 3 overturns from roadway
- 1 overturn while driving up a steep hill
- 1 overturn while pulling trees
- 1 lost control driving on gravel and overturned.

General Recommendations

- Motor vehicle collisions accounted for 22% of the agricultural fatalities during this time period. Attention should be paid to vehicle-specific driver training and vehicle maintenance. Special training should be given for situations when workers will be hauling loads or equipment on public roads or on farmlands. The use of seatbelts is required by law on public roadways in Washington State and highly recommended on private farms.
- Machinery-related incidents accounted for 34% of the fatal incidents. Proper maintenance and operation procedures should be followed and enforced as well as safe driver's training, as discussed above. A number of the machinery-related fatal incidents occurred during “upset” conditions where a worker was trouble shooting or un-jamming the machinery. The machinery’s owner’s manual or manufacturer should be consulted for the correct methods to un-jam or troubleshoot the specific piece of machinery. Energy sources should be de-energized and locked out prior to work being done in their vicinity. Machinery should be appropriately guarded to protect workers from exposure to moving parts.

- Tractor-related hazards continue to contribute to fatal incidents. Most of the incidents involved overturns of orchard tractors. Given these incidents, we recommend when possible, to use tractors with Roll Over Protective Structures (ROPS) and seatbelts on all tractors. Fold-down ROPS are available for many tractors that are sometimes impeded by overhead obstacles. Retro-fit kits are available for most models of tractors and are recommended to reduce the risk of fatality or serious injury from an overturn.

Agriculture Safety Resources

The National Institute for Occupational Safety and Health (NIOSH) maintains an agriculture safety and health topic web page.

<http://www.cdc.gov/niosh/topics/agriculture/default.html>

The Occupational Safety & Health Administration (OSHA) maintains an agricultural operations safety and health topic web page.

<http://www.osha.gov/SLTC/agriculturaloperations/index.html>

Pacific Northwest Agricultural Safety & Health (PNASH) Center
Department of Environmental Health, (800) 330-0827

<http://depts.washington.edu/pnash/links.htm>

The Eastern Washington University Center for Farm Health and Safety, (509) 359-7995

<http://www.farm.ewu.edu/>

Spanish language publications and web pages, as well as information about organizations and projects addressing the safety and health concerns of Spanish speaking farmworkers may be accessed through many of the resources listed above.

WISHA Consultation Program

Washington State Department of Labor and Industries

Everett (Region 1, Northwest Washington)

425-290-1300

Seattle (Region 2, King County)

206-515-2880

Tacoma (Region 3, Pierce, Kitsap, Clallam, and Jefferson Counties)

253-596-3800

Olympia (Region 4, Southwest Washington)

360-902-5799

East Wenatchee (Region 5, Central and Southeastern Washington)

509-886-6500

Spokane (Region 6, Eastern Washington)

509-324-2600

WA Fatality Assessment & Control Evaluation (FACE) Program

Safety and Health Assessment & Research for Prevention (SHARP) Program

WA State Department of Labor and Industries

PO Box 44330

Olympia, WA 98504

(360) 902-5669 or; 1-888-667-4277 (toll-free)

<http://www.LNI.wa.gov/Safety/Research/>, CLAV235@LNI.wa.gov

NIOSH Grant U60 OH008336



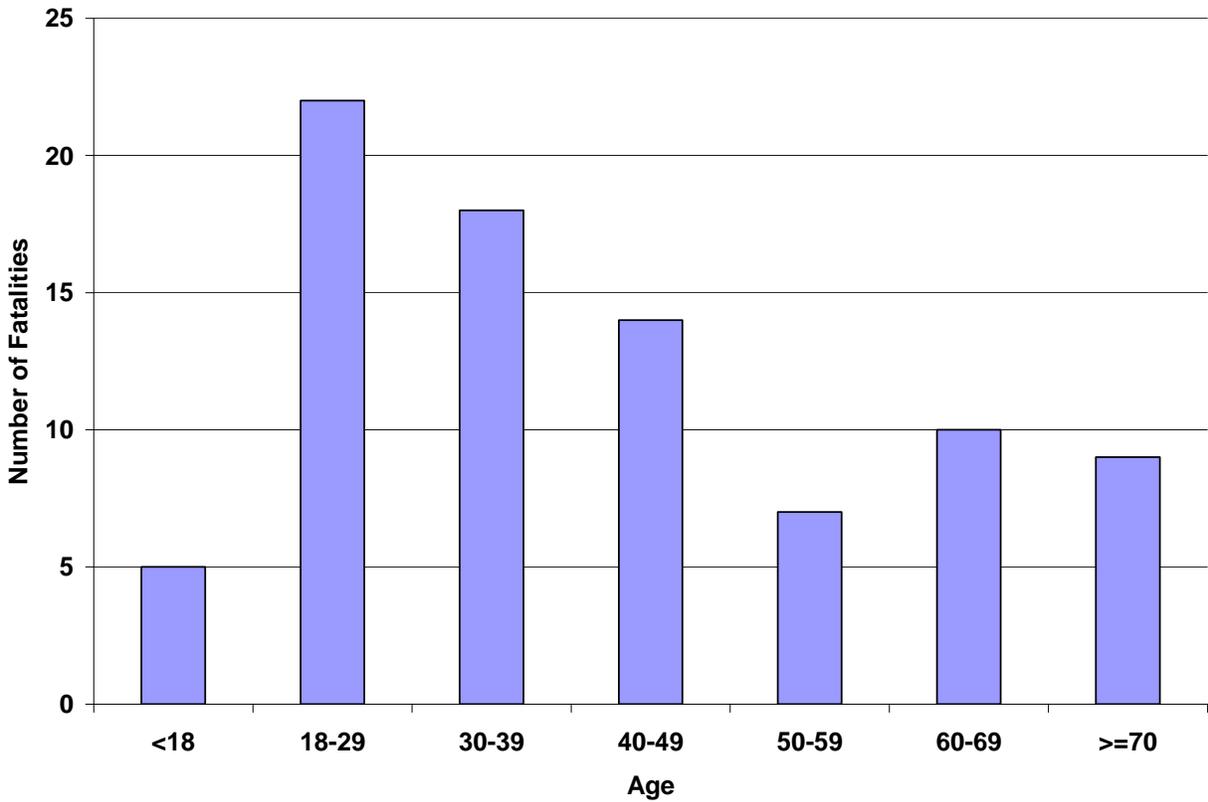


Figure 1. Number of work-related agricultural fatalities by workers' age, WA FACE Program, 1998-2005.

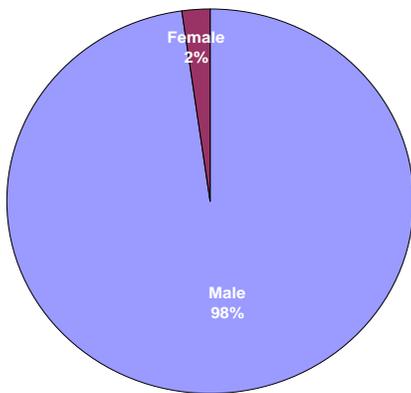


Figure 2. Percent of work-related agricultural fatalities by workers' gender, WA FACE Program, 1998-2005.

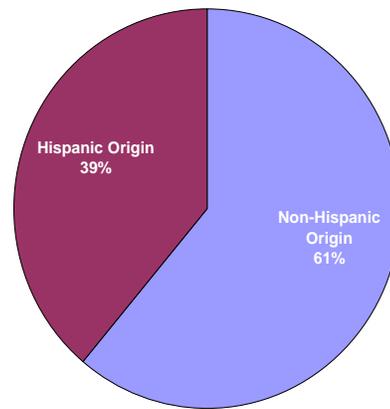


Figure 3. Percent of work-related agricultural fatalities by workers' ethnicity, WA FACE Program, 1998-2005.

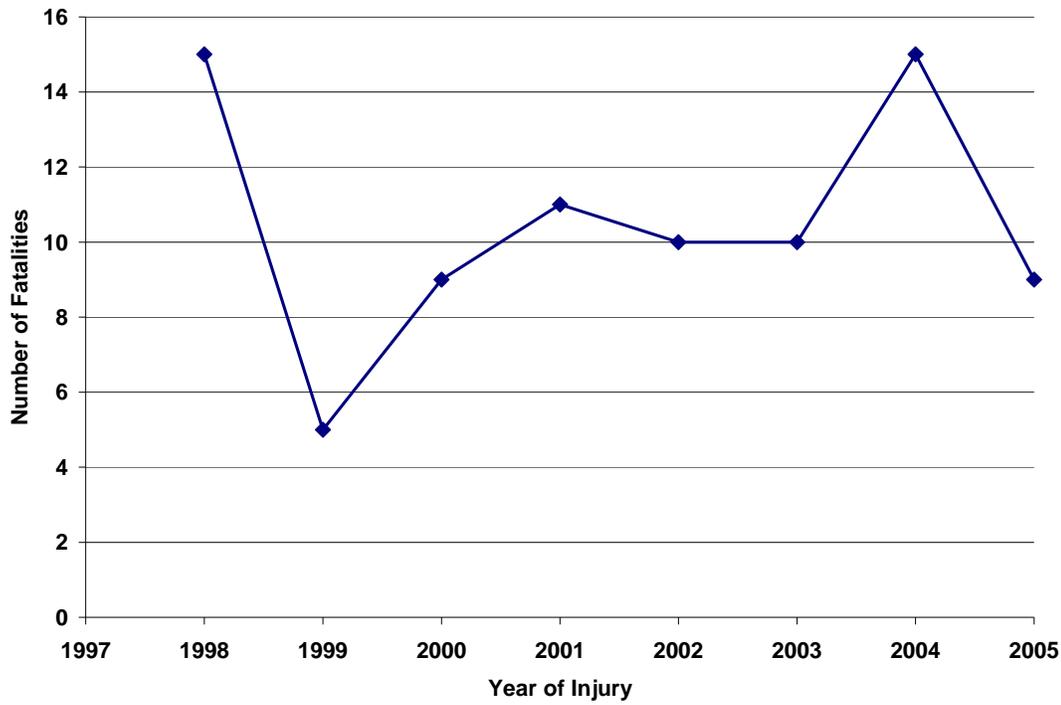


Figure 4. Number of work-related agricultural fatalities by year, WA FACE Program, 1998-2005.

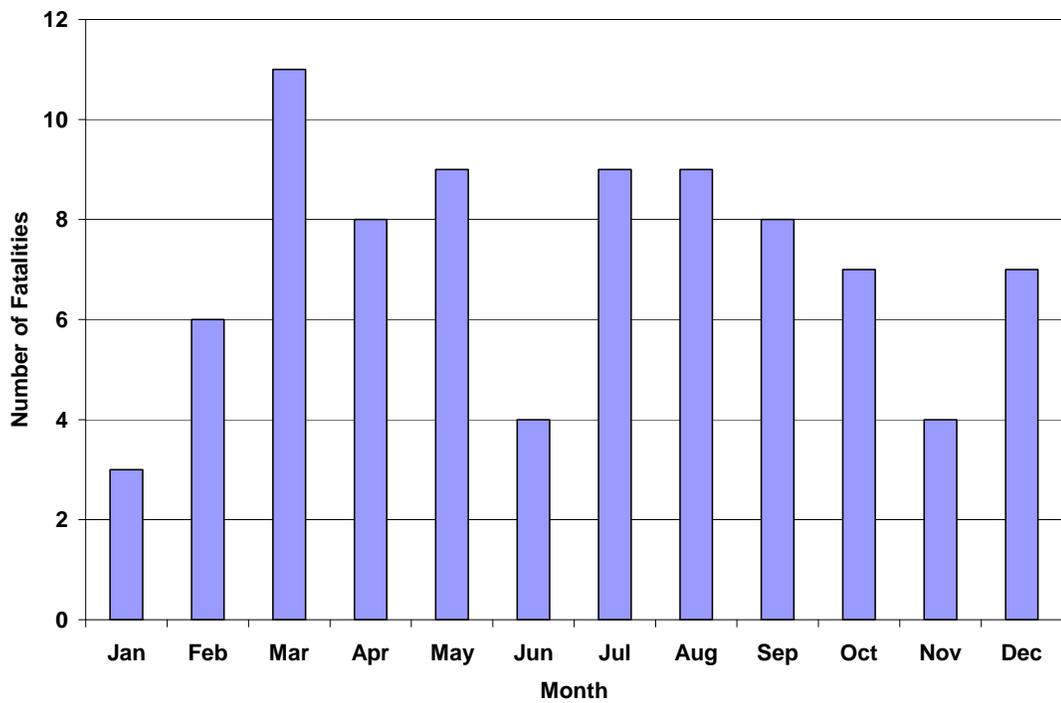


Figure 5. Number of work-related agricultural fatalities by month of the incident, WA FACE Program, 1998-2005.

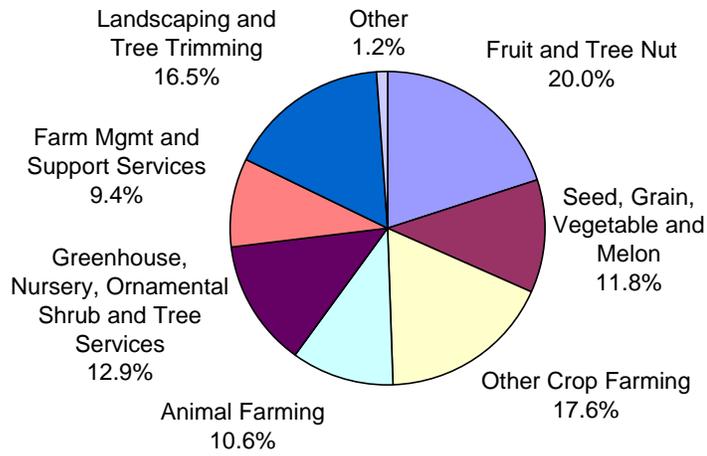


Figure 6. Percent of work-related agricultural fatalities by industry, WA FACE Program, 1998-2005.

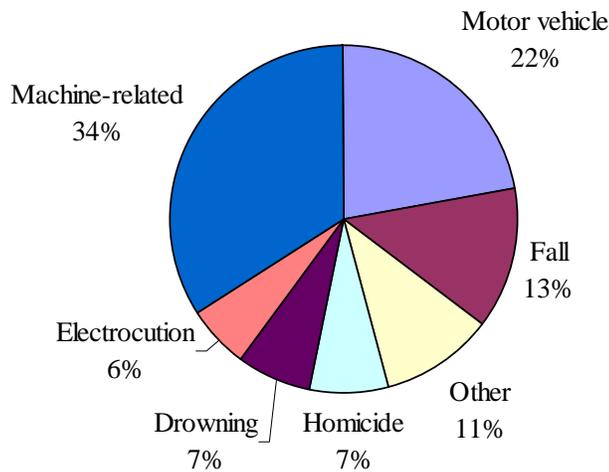


Figure 7. Percent of work-related agricultural fatalities by type of incident, WA FACE Program, 1998-2005.

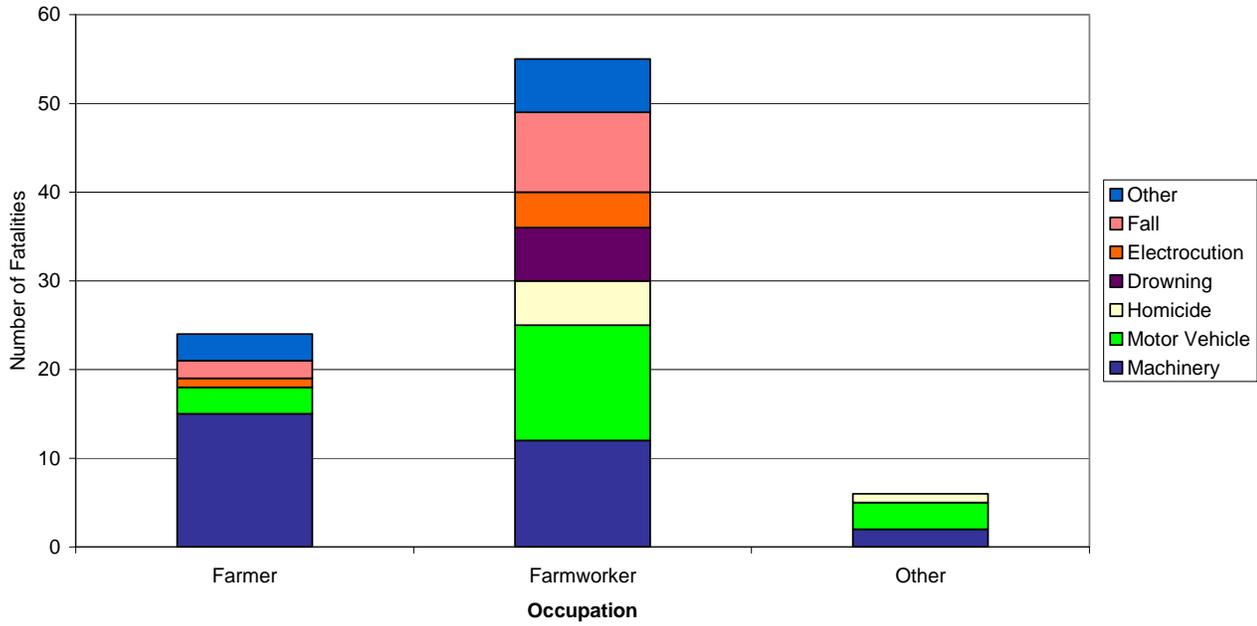


Figure 8. Number of work-related agricultural fatalities by occupation and incident type, WA FACE Program, 1998-2005.

Table 1. Number of Work-related Agricultural Fatalities by County, WA FACE Program, 1998-2005.
 (Counties not listed had no agricultural fatalities)

County	Number
Adams	2
Benton	6
Chelan	4
Clark	1
Cowlitz	1
Douglas	1
Franklin	5
Grant	11
Grays Harbor	3
Jefferson	1
King	1
Kitsap	1
Klickitat	2
Lewis	8
Lincoln	1
Mason	1
Okanogan	3
Pierce	3
Skagit	1
Skamania	1
Snohomish	1
Spokane	4
Stevens	3
Thurston	2
Walla Walla	2
Whatcom	1
Whitman	2
Yakima	13
Total	85

Table 2. Listing of Work-related Agricultural Fatalities in Washington State, WA FACE Program, 1998-2005

County	Date of Incident	Industry	Occupation	Narrative of Incident
Adams	29-Jul-98	Wheat	Farmer	Decedent was operating a wheat combine when a grass fire overtook his combine. He was overcome by smoke and flames.
Adams	3-June-04	Apple orchards	Farmworker	A farmworker at an orchard was operating a tractor pulling a sprayer when it slid down a hill and rolled over on its side. He was crushed underneath the tractor.
Benton	3-Sep-98	Wheat	Farmer	Decedent was a passenger in a truck driven by her husband which pulled onto highway and was then struck from behind by a semi-truck. Decedent and husband were operators of a wheat farm. They were transporting a load of grain to an elevator when the collision occurred.
Benton	6-Jan-00	Animal specialty services, except veterinary	Farmworker	A horse trainer was giving a lesson in riding techniques to two clients. He led his horse off a bridge into the shallow water of a river when the horse bolted into the river and threw him into deep water. He struggled but eventually succumbed and drowned in the 41 degree water.
Benton	30-Aug-00	General farms, primarily crop	Supervisor of farmworkers	A farm manager was on a wooden catwalk which was bolted to the ceiling of an empty potato shed. The catwalk collapsed, sending him 28 feet to the dirt floor.
Benton	5-Jul-01	Field crops, except cash grains, nec	Supervisor of farmworkers	A sport utility vehicle struck and killed a hops farmworker as he walked along a rural road. At the time of the incident, the farmworker had been walking beside a farm tractor pulling a forklift with a flat tire.
Benton	7-Dec-03	Ornamental shrub and tree service	Farmworker	The operator of a tractor hired by a home owner to take down an old barn and pull up some trees was killed when his tractor flipped. He had hooked a chain to the tractor that had a three point hitch and flipped the tractor backward while attempting to pull up trees.
Chelan	27-Jul-98	Deciduous tree fruits	Farmworker	Decedent was working in orchard and died of heat stroke
Chelan	20-Sept.-02	Other noncitrus fruit farming	Farmworker	A worker at an orchard was picking pears when he fell from a ladder. He was taken to a hospital where he died 12 days later.
Chelan	26-Sept.-02	Apple orchards	Farmworker	An orchard worker was driving an orchard tractor out of an orchard with an empty bin trailer attached. The tractor's left rear tire went off the road causing the tractor to rollover. The victim was ejected from the tractor and was crushed by the tractor as it rolled over him.
Chelan	27-Feb-05	Apple orchards	Farmer	An orchardist was killed when a tractor he was driving up a steep hill lost traction, slid down the hill, and rolled over. He was found pinned in the driver's seat of the overturned tractor. The tractor was a low-profile orchard tractor which had its ROPS removed.

Clark	3-April-02	Ornamental shrub and tree services	Groundskeeper	The driver of a truck, an employee of a landscaping company, towing a commercial wood chipper was killed when he swerved to avoid hitting another vehicle, and his truck left the road, striking a tree.
Cowlitz	1-May-02	Dairy cattle and milk production	Farmworker	A farmworker at a dairy was feeding hay into a machine which chops hay into 2-inch chunks for cow feed. He somehow was pulled headfirst into the machine. The incident was unobserved.
Douglas	7-Oct-04	Apple orchards	Farmer	An owner of an orchard was working on a tractor. He was having trouble getting the tractor started, so he bypassed a mechanism that prevented the tractor from being started in gear. He started the tractor and was run over by it.
Franklin	4-Nov-98	Beef cattle, except feedlots	Rancher	Two truck drivers died in head on collision. Decedent was driving pickup truck with trailer full of cows. The other driver attempted to pass a turning vehicle on a rural highway and struck decedents' vehicle, which was travelling in the opposite direction, with his tanker truck loaded with carbon dioxide.
Franklin	11-Oct-00	Potatoes	Farmworker	A farm laborer was working with a crew harvesting potatoes using a mechanical harvester. He went inside the harvester to disengage weeds that had fouled its power take-off shafts. The driver of the tractor pulling the harvester, believing the worker had cleared the machine, started it up again. The worker, who was still inside, was caught up in the shafts and thrown against the machine, killing him.
Franklin	11-Oct-01	Crop preparation services for market, ex. cotton ginning	Farmworker	A farmworker was driving an orchard tractor and towing a load of empty apple bins down a hill when the tractor got away from him and rolled over. He was thrown from the tractor. The tractor was not equipped with a ROPS, as it was being used in an orchard.
Franklin	20-July-05	Hay farming	Farmer	A farmer was electrocuted while servicing a fertilizer injector pump.
Grant	2-Apr-98	Farm management services	Farmworker	Decedent fell into irrigation canal (3' deep and 3' wide) with approximately 1' of water moving 25-30 mph. He was pulled into the "dragon's teeth" and drowned.
Grant	2-Apr-98	Farm management services	Farmworker	Decedent may have tried to rescue co-worker from drowning in an irrigation canal. He was drowned at the "dragon's teeth", which are an energy dissipation mechanism used in irrigation canals.
Grant	27-Jul-98	General farms, primarily crop	Farmer	Decedent was working on a hay baler and was crushed by a stacker table. He was working alone and was found by his son.

Grant	16-Nov-99	General farms, primarily crop	Farmworker	Worker #1 fell into a well tailings pit that was about 100 feet long by 50 feet wide and ten feet deep containing water, silt and foam. Worker #2 attempted to rescue him. They both drowned.
Grant	23-Feb-01	Farm management services	Supervisor of farmworkers	Two employees were laying out telephone cable from a spool attached to the forks of a forklift. One worker was driving the forklift up a slight uphill grade when the other worker (the victim) jumped on to the side of the forklift to catch a ride. The forklift spun around and the victim tried to jump clear but was pinned under the roll cage when the forklift fell on him.
Grant	2-Jun-01	Beef cattle, except feedlots	Farmer	The owner of a beef cattle farm was found in his office with a self-inflicted gunshot wound to the head.
Grant	20-Feb-04	Nursery and tree production	Farmworker	A worker at a nursery was welding under a brush beater that was up on a jack. The jack was knocked over the brush beater fell on the worker.
Grant	23-March-04	Hay farming	Farmworker	The driver of a pickup truck was killed when his vehicle crossed the center line of a state highway and struck a semi-trailer truck head-on. The victim was employed by a hay farmer and was driving a company truck to a feedlot.
Grant	17-July-04	Grape vineyards	Farmworker	An irrigation worker at a vineyard was found dead of stab wounds near the field where he worked. He had been assaulted by an unknown assailant.
Grant	15-Oct-04	Beef and cattle ranching and farming	Farm manager	An employee of a feedlot was injured when he was rammed against a gate by a steer. He died of his injuries 4 months later.
Grays Harbor	15-Mar-00	Field crops, except cash grains, nec	Farmer	A farmer fell off a stationary flatbed truck containing a load of hay that was being delivered. He struck his head on the ground.
Grays Harbor	27-Oct-00	Dairy farms	Supervisor of farmworkers	A dairy farm manager was killed when his pickup truck loaded with livestock feed collided head-on with a semi-truck on a state highway
Grays Harbor	8-Feb-02	Berry (except strawberry) farming	Farmer	The owner of a cranberry farm was driving a pickup truck when it went out of control and struck a utility pole. At the time of the incident he was going to buy materials for the farm and then go to the cranberry bog.
Jefferson	27-Aug-04	Lawn and garden services	Groundskeepers	A landscape gardener was pruning trees and weeding by the banks of a pond when he fell in and drowned.
King	5-April-03	Ornamental shrub and tree services	Groundskeeper	An employee of a tree trimming company was operating a chainsaw when it kicked-back and the tip struck him in the neck, killing him.
Klickitat	22-May-98	Wheat	Farmer	Decedent fell off tractor and was run over by tire of swather.
Klickitat	2-April-03	Wheat farming	Farmer	A farmer was pinned between a front end loader and trailer while working in a field.
Kitsap	11-Sept-05	Ornamental shrub and tree services	Tree service worker	A tree service worker was starting his descent from a tree when his rappel line came lose from the tree and he fell 58 feet to the ground.

Lewis	22-Dec-01	Dairy farms	Farmworker	A farm laborer was helping replace a roof on a calf barn. He stepped on a rotten board and fell through the roof to the floor of the barn. He died the next day in the hospital.
Lewis	27-March-04	Forest nurseries and gathering of forest products	Forest products gatherers	The driver of a van carrying 11 workers to pick plants in the forest veered into an oncoming pickup truck while driving on a 2-lane state highway. Three of the workers died at the scene. The driver of the van died in a hospital the same day, as did another passenger.
Lewis	19-Dec.-05	Forest nurseries and gathering of forest products	Forest products gatherers	The driver of a van carrying 9 passengers to pick plants in the forest lost control of the vehicle after attempting to pass a truck on an icy state highway. The van veered into a ditch and then landed on its top in the roadway where it was struck by a truck. Three of the passengers were ejected. One died at the scene, another died three days later. Others were hospitalized.
Lincoln	22-May-01	Deciduous tree fruits	Farmer	A light aircraft piloted by the owner of a farm was surveying his fields when his plane crashed in a wheat field, killing him and injuring a farmworker who was a passenger.
Okanogan	26-Aug-00	Field crops, except cash grains, nec	Farmer	A tractor with a baler attached was being worked on by a farmer. No one observed the incident, but it appears the tractor started to roll downhill and either the tractor or the bailer ran over the victim's legs causing him to bleed to death at the scene.
Okanogan	30-Sept.-02	Apple orchards	Supervisor of farmworkers	An orchard worker was repeatedly stabbed with a knife by a coworker at an apple orchard. He was hospitalized and died of his injuries 5 weeks later.
Okanogan	25-April-03	Post harvest crop activities (except cotton ginning)	Forklift operator	An employee of an apple packing company was found floating face down in a water filled apple bin dump tank. The incident was unobserved. The cause of death was drowning.
Pierce	11-Feb-98	Ornamental shrub and tree services	Groundskeeper	Decedent was cutting a tree that fell on a power line. The line landed on his truck. When the decedent reached for the door handle, he was electrocuted.
Pierce	17-Mar-98	Chicken eggs	Truck Driver	Individual was pinned between two trailer trucks. The decedent was standing behind his trailer when the second truck backed into him, pinning him between the two vehicles. The incident occurred on a farm.
Pierce	11-March-03	Lawn and garden services	Supervisors of related agricultural occupations	The owner of a tree trimming and landscaping company was cutting a tree while standing on a ladder when he fell 12 feet to the ground. He died from his injuries 5 days later.
Skagit	10-Sept.-02	Berry (except strawberry) farming	Farmworker	The victim was a passenger in pickup truck that backed into a large water filled drainage ditch. He drowned and two other passengers survived. They were farmworkers finishing up their day's work in a cucumber field. The pickup was in a field when it backed into a ditch. The driver was under the influence of alcohol

Skamania	17-June-04	Ornamental shrub and tree services	Owner	The owner of a tree trimming service was topping a tree when his rope shredded and he fell 18 feet to the ground.
Snohomish	13-May-04	Ornamental shrub and tree services	Groundskeeper	A self-employed tree trimmer was topping a tree when he cut his leg with a chainsaw and fell 40 feet to the ground.
Spokane	18-Mar-99	Ornamental shrub and tree services	Groundskeeper	Decedent was struck on the head by a 3 foot section of tree that fell from a height of 60 feet after a climber had cut it from a tree.
Spokane	12-Aug-99	Wheat	Farmworker	Victim was driving a combine down a steep hill that was covered with deep gravel. Victim lost control, swerved several times and then dropped over the edge of a ravine that was about 20 ft deep. The combine rammed into the ground front first, killing the victim.
Spokane	14-Oct-01	Ornamental shrub and tree services	Groundskeeper	A tree trimmer was electrocuted when he came into contact with a power line. He was pruning a tree and was about 25 to 30 feet up when the incident happened.
Spokane	25-May-03	Misc. crop farming	Farmer	A farmer was operating a tractor in a field when he fell off and was run over by the tractor and a wheeled trailer that was being pulled.
Stevens	13-Oct-02	Hay farming	Farmer	A farmer was using a farm tractor to load hay onto a semi-trailer truck when the hay clamp which was raised too high came back over and struck him on the head.
Stevens	12-August-03	Dairy cattle and milk production	Farmworker	Two farm workers were assisting in maintenance of an oxygen-limiting silo from its top hatch. Both were found unconscious in the silo, overcome by lack of oxygen. The silo was filled to within about 10 feet of the top of the silo.
Thurston	21-Dec-00	Ornamental shrub and tree services	Supervisor related to agriculture	The victim was trimming a tree from an aerial lift. He was wearing a belt that had the chain saw attached, but he was not tied off to the aerial lift. The limb he was cutting fell, catching the chain saw and pulling him out of the basket. He fell 30 feet to the ground, hitting the winch as he fell.
Thurston	29-June-05	Lawn and garden services	Groundskeepers	A tree service worker was electrocuted when a branch touched a power line as he was trying to remove it.
Walla Walla	13-Feb-98	Cash grains, nec	Machinery Maintenance	Decedent was grinding in the farm's shop. A spark hit a nearby plastic container of flammable liquids which caught fire. The decedent carried the container outside and splashed the burning liquid on himself, resulting in 3rd degree burns on 80% of his body.
Walla Walla	23-Aug-99	Wheat	Farmworker	The victim was pulling a baler along a county road. He got too close to the edge of the road and rolled the tractor over.

Whatcom	6-August-03	Berry (except strawberry) farming	Farmer	A farmer was operating a tractor in a field when he fell off and was run over by the tractor.
Whitman	9-May-03	Wheat farming	Farmer	A farmer started-up a four-wheel all-terrain vehicle inside a farm building. He was attempting to back-up when he hit the throttle accidentally and the vehicle went up the side of the building and fell back on him, pinning him underneath.
Whitman	13-July-04	Wheat farming	Farmer	A wheat farmer was killed when his tractor went of the edge of a roadway and rolled over.
Yakima	22-May-98	Deciduous tree fruits	Farmworker	Two decedents were re-filling their tank sprayers at a cherry orchard. Both were shot in the head multiple times.
Yakima	19-Sep-98	Field crops, except cash grains, nec	Farmworker	Decedent was driving a tractor on a road and was struck by a truck
Yakima	5-Dec-98	Deciduous tree fruits	Farmworker	Decedent was shot several times in chest by coworker. Dispute over a personal matter precipitated the assault. Incident occurred while the decedent was pruning trees on the employer's premises.
Yakima	29-Aug-00	Deciduous tree fruits	Farmworker	Worker driving a tractor was backing up a county road while pulling an apple bin loader. He turned around a corner and lost control of the tractor resulting in the tractor going into a ditch and rolling over. He was crushed by the tractor. There was no rollover protection.
Yakima	28-Nov-00	Ornamental floriculture and nursery products	Decorator	A decorator employed by a flower company was shot and killed by her estranged husband. He came to her place of employment and they stepped out of the building and into the company parking lot where he fatally shot her in the neck with a handgun. He then shot himself. The deceased had a restraining order against her spouse.
Yakima	3-Apr-01	Field crops, except cash grains, nec	Farmer	A farmer was running next to a mint planter to make sure it was feeding properly. He reached up to grab onto the planter, but slipped and was run over by the planter's wheel.
Yakima	1-Sep-01	Crop preparation services for market, exc. cotton ginning	Farmworker	Victim was carrying an irrigation pipe when the pipe came into contact with exposed power line. He was electrocuted.

Yakima	5-Dec-01	Lawn and garden services	Groundskeeper	The owner of a landscaping company was driving a pickup truck on an interstate highway with 2 employees as passengers. The truck hit a patch of ice that caused it to rollover several times. All 3 occupants were thrown from the vehicle. One person, a laborer, died at the scene. The others went to the hospital with serious injuries.
Yakima	23-Jan-02	Other noncitrus fruit farming	Farmer	A tractor-mounted tiller fell on a farmer who had crawled underneath an idling tractor to remove sticks.
Yakima	8-July-02	Postharvest crop activities (except cotton ginning)	Farmworker	A farmworker on his first day of work at a fruit orchard was killed when the low-profile tractor he was driving went down a gully, overturned, and landed on top of him. The tractor was pulling a mower.
Yakima	25-May-05	Other noncitrus fruit farming	Farm manager	A farm manager was operating a low profile tractor with a spring-tooth harrow while driving between lines of trees in an orchard. At the end of a row he made a sharp turn and the tractor turned over. He was thrown from the tractor and it landed on top of him, killing him.
Yakima	18-July-05	All other misc. crop farming	Farmworker	A farmworker collapsed and died of heat stroke while cutting weeds in a hop field.