

Rural Road Safety

Accident Prevention



Nationwide[®]
is on your side

Disclaimer

The information included in this presentation was obtained from sources believed to be reliable. Farmland Mutual Insurance Company/Nationwide Agribusiness Insurance Company and its employees make no guarantee of results and assume no liability in connection with any safety suggestions or information herein contained. Furthermore, it cannot be assumed that every acceptable safety method is contained in this presentation or that specific circumstances may not require additional methods or alternative safety considerations. Also, nothing contained herein is meant to represent or indicate compliance with applicable standards or requirements mandated by Federal, State or local jurisdictions.

Common Farm-Vehicle Accidents

The National Safety Council estimates some 15,000 collisions involving farm vehicles occur on U.S. roadways each year.

Kansas teen hospitalized after collision with John Deere sprayer- July 16, 2015

MARYSVILLE- A Kansas teenager was injured in an accident just before 4 p.m. on Thursday in Marshall County.

The Kansas Highway Patrol reported a 2010 Ford passenger vehicle driven by Kenneth C. Hilton, 19, Marysville, was northbound on 13th Road 2 miles east of Marysville.

The vehicle failed to yield at a stop sign, pulled in front of and was hit by a John Deere Sprayer that was eastbound on U.S. 36.

Hilton was transported to the hospital in Marysville.

The driver of the farm equipment Robert J. Holle, 31, Marysville, was not injured.

Hilton was properly restrained at the time of the accident.



Common Farm-Vehicle Accidents



UPDATE – St. Mary’s County Sheriff’s Office Official Statement on 7/6/15: 7-3-15 Motor Vehicle Crash (fly out) – Deputies responded to Point Lookout Road in the area of Camp Cosoma Road for a vehicle crash involving a motorcycle.

Preliminary investigation revealed the male driver and sole occupant of a motorcycle was northbound on Point Lookout Road when he attempted to pass a farm tractor on the left. The motorcycle struck a front wheel on the tractor ejecting the driver of the motorcycle. The motorcycle then caught on fire.

The driver was flown to Washington Hospital Center with burns on both legs and other injuries.

Common Accidents

- Left-turn collisions
 - One of the most common involving articulated vehicles
- Rural bridges
 - Bridges can be narrow and vehicle weight may damage bridge structure
- Passing cars
 - Do NOT wave vehicles to pass
- Read-end collisions
 - Vehicles may be surprised around corners or over hills
- Single-vehicle accidents
 - Rural roads may have soft shoulders and equipment may tip over



The Basics

- Agricultural equipment is large and can extend across the center line
- Accidents are more prevalent at certain times of the day
- Vehicles travel at slower speeds than normal traffic
- Many times, trailers are being pulled behind vehicles
- Many agricultural vehicles turn into fields and not clearly visible streets

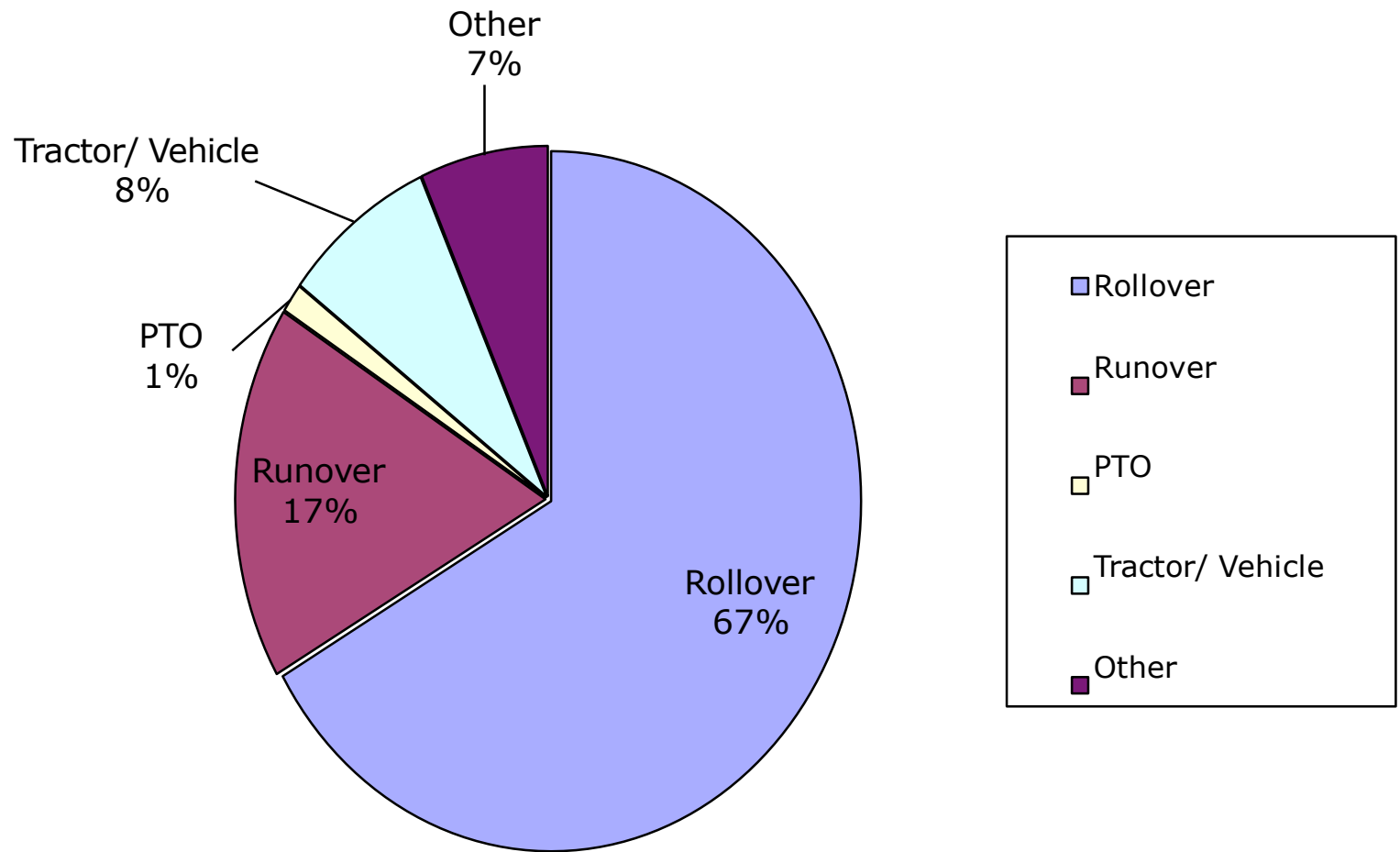


Hazards

- Size and weight
- Handling characteristics
- Top heavy
- Shifting loads- liquids- non baffled tanks
- Traction/brakes
- Soft/No road shoulders
- Narrow bridges



Breakdown of Tractor Fatalities



Operating on Public Roads



- Increased traffic and speed on rural roads
- Some motorist not familiar with slow-moving vehicles (SMV's)
- Road Design
- Varying Road Surfaces
- Keep Alert!!!!!!!!!!
- Be Seen!!!!

Operating on Public Roads

CT Motor Vehicle Farm License Plates

CONNECTICUT FARM PLATES - Section 14-49(q)

All the following conditions must be met for a vehicle to qualify for the farm exemption: (1) the vehicle must be used exclusively in agricultural production; (2) an agricultural sales tax exemption permit must be issued by the Department of Revenue Services; and (3) gross farm income in the preceding calendar year was not less than two thousand five hundred dollars. Farm plated vehicles are prohibited from transporting goods for hire (transporting products of others for pay).

Operating on Public Roads

Farm Tractors on public roads


Registration of farm (agricultural) tractors and self-propelled agricultural equipment is not required. Farm tractors and self-propelled agricultural equipment may not be used on public roads for transporting good for hire (transporting products of others for pay or for other commercial purposes). When operating on a public road at speeds less than the posted speed limit, the driver of a farm tractor or self-propelled agricultural equipment must yield to vehicles approaching from behind. Farm tractors and self-propelled agricultural equipment not designed or employed in general highway transportation are not permitted on limited access highways.



Nationwide®
Agribusiness

On Your Side®

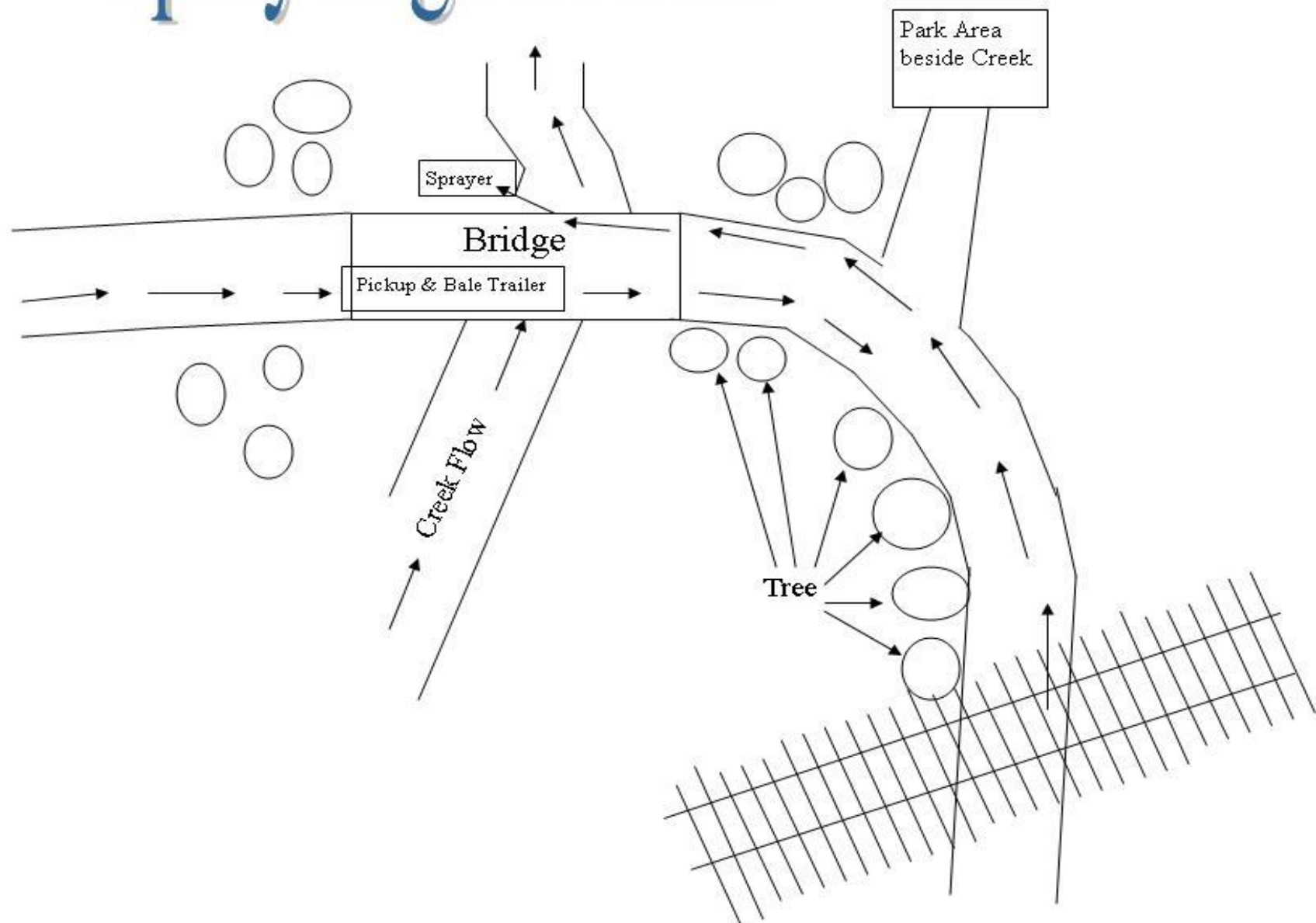
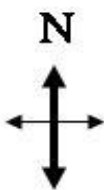
Blind Spots

- 
- Know blind spots
 - Become familiar with the machine you are operating





Spray Rig Accident

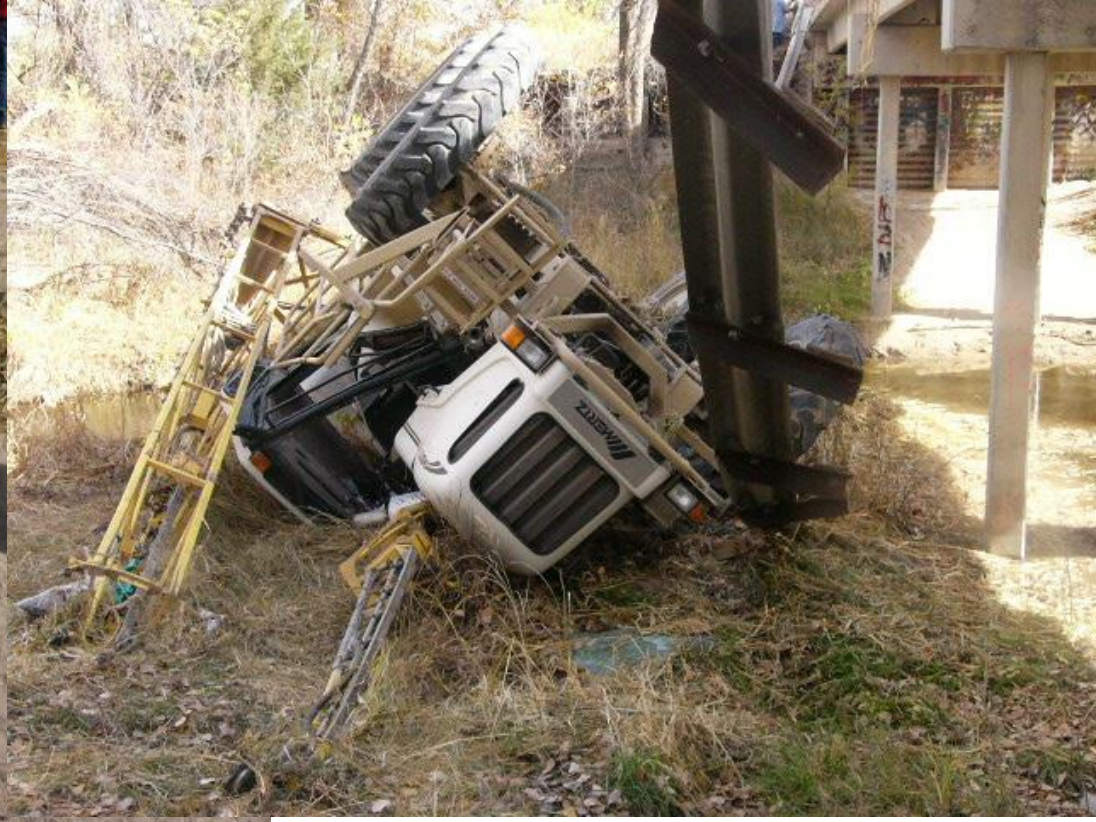




Picture of the pickup and bale trailer that was on the bridge when the applicator rounded the corner.



Applicators tracks where he started to leave the bridge deck.



Now you can see the applicator upside down in the ravine.

Applicator was loaded with a water and chemical mixture and full of diesel. Cab held up pretty well.



See any other potential problems here.....



640 Gallon of water Aatrex 4L and Glyphosate in the bottom of a creek bed.

70 Gallon of diesel fuel on the sprayer

Through some quick thinking some luck and hard work the company was able to pump the contents of the spray tank off and were able to remove the diesel.



- It looks like there is plenty of room for the operator in that seat.***
- Unfortunately the operator was not wearing his seatbelt and did not survive.***

Sprayer Vs. Truck

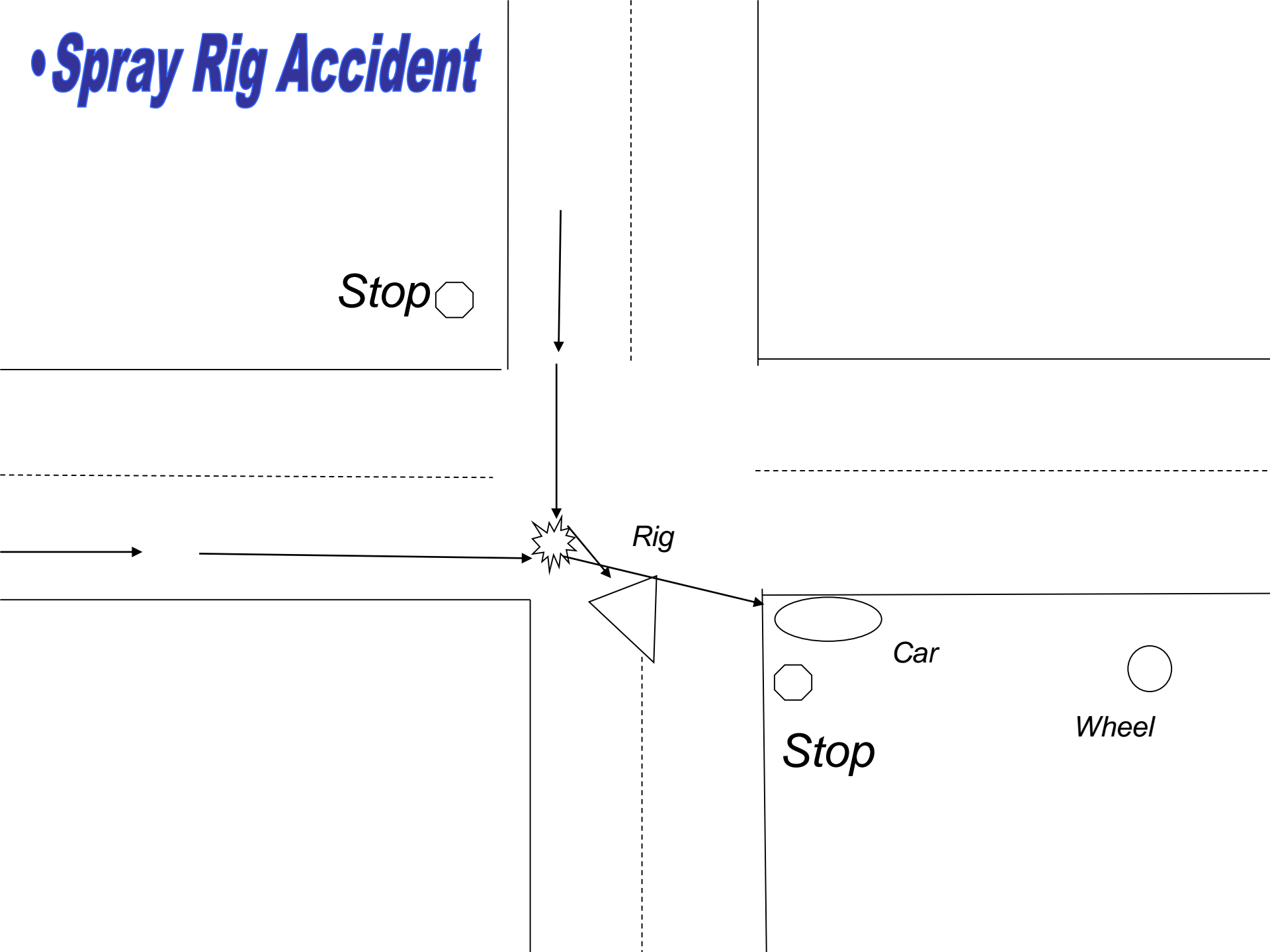


- **Boom caught truck and caused applicator to roll**
- **Operator wearing seatbelt**
- **Operator received only minor injuries.**



**WEAR YOUR
SEATBELT!**

• ***Spray Rig Accident***





A vehicle traveling on a dry, hard surface road at legal speed.....that had the right-of-way....



....collided with an Applicator that pulled out in front of the oncoming vehicle....



It was a clear day with no apparent visual obstructions



The impact threw the front wheel of the Applicator into the nearby field....



The crossroads were clearly marked with stop signs....

Cost of this accident:

No fatality....but serious injuries to the passenger of the car: \$625,045.

Repair of the Applicator: \$31, 510.

Rental charges during time of repair: \$29,325

Cost of car repair \$5000.

Cost to loved ones and family????? (Misery, suffering, and inconvenience)

Cost to reputation of company and their driver?????

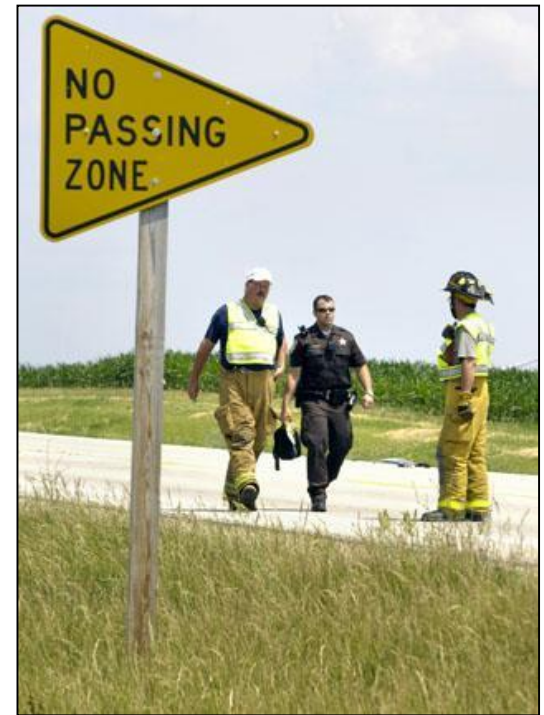
Indirect costs are usually greater than 7 times higher than direct costs.

Be Alert for Approaching Vehicles!

- “Sideswipe” collisions
 - Left turns by machinery
 - Passing by motor vehicles
- Rear end collisions



Some of the most expensive accidents happen on the roadways!



- ***Fertilizer spreader (Floater) on 2 lane highway***
- ***Motorcyclist w/passenger***
- ***6 vehicles behind spreader pulls out to pass***
- ***No passing zone***
- ***Spreader slowing down to make left turn***



- ***Motorcyclist hits step as passing/turning***
- ***Motorcyclist and passenger killed***
- ***Not wearing helmets or protective gear***
- ***No damage to spreader***
- ***Prosecution argued lighting deficiencies & lack of care prior to executing to turn***
- ***Over \$3 million paid***

Cost of an accident \$\$\$\$\$\$

- Fines
- Medical
- Physical damage
- Increased Insurance Rates
- Legal fees
- Lawsuits
- Embarrassment
- Stress
- Future/Current Employability



Make Sure Your Equipment is Safe!



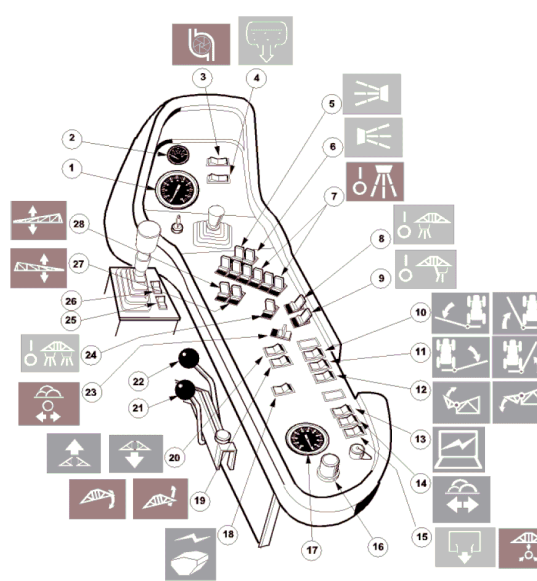
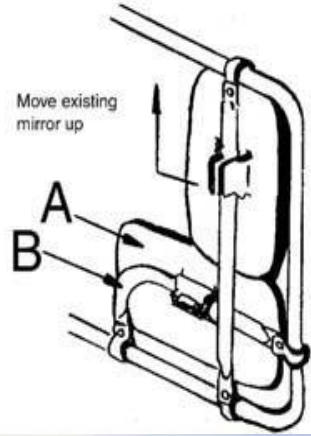
Is Your Equipment Safe?





Don't Forget Pre-Operation Inspections

- Insure booms and equipment are secured.
- Check for obstacles and hazards around applicator.
- Verify control settings, flow rates, etc...
- Adjust all mirrors.
- Adjust seat, steering and controls.



10 Tips to Road Safety

1. Clearly mark you vehicle
2. Use your lights
3. Install proper signage
4. Watch your mirrors/blind spots
5. Secure your load
6. Take it slow
7. Travel on less-busy roads
8. Keep passengers off of the equipment
9. Know your state laws and regulations
10. Practice good maintenance



Have you ever had a bad day?



SO, ... HOW'S YOUR DAY GOING?

Have you ever had a bad day?



How do you handle a bad day?



Thank You



Questions?