

Facts about Kentucky Farm Tractor Overturn Deaths and Their Prevention

A series of posters for public display

*A Public Service Project for
Kentucky's Farm Communities*

January 2000

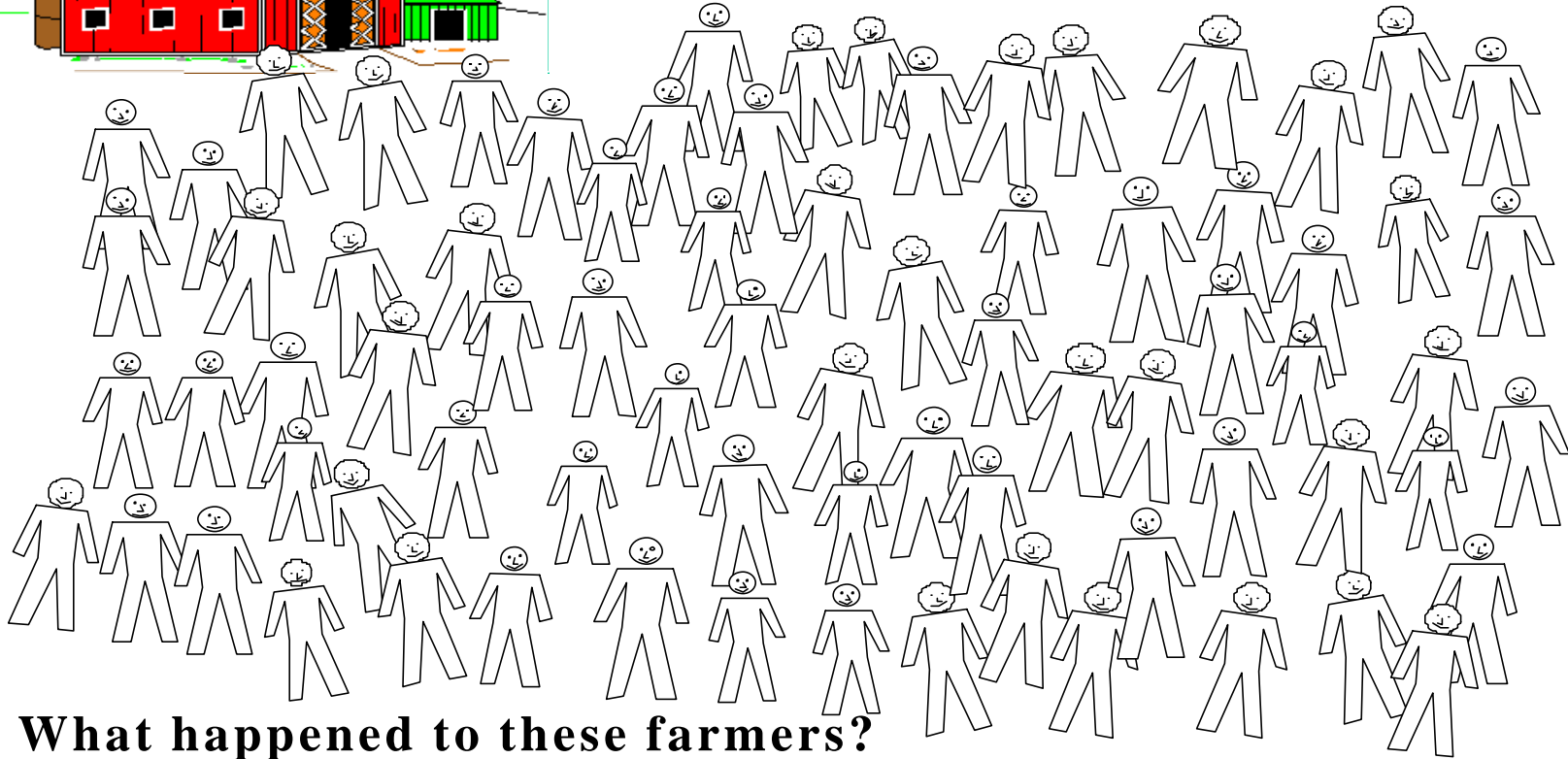
Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*



A tough quiz!

How many people are in this picture?

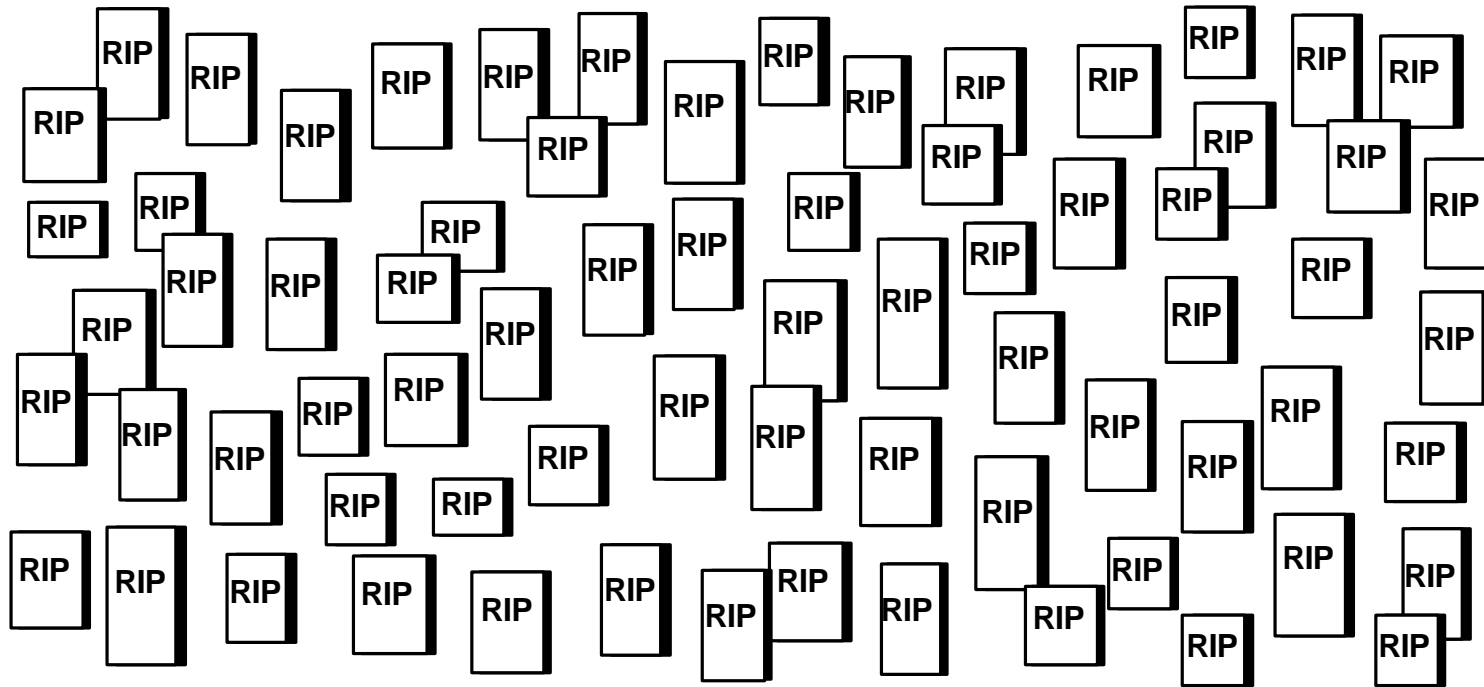


What happened to these farmers?

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

**During 1994-99, 76 Kentucky farmers died in tractor overturns.
Another 32 died when they fell off moving tractors.**



**How many would have survived with a ROPS and seat belt? All 108.
Don't become another grim statistic. Get a ROPS and buckle up!**

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

*ROPS and seat belts can save many lives! **

⇒ <i>Tractor overturns</i>	<i>76</i>
⇒ <i>Thrown from tractor and run over</i>	<i>25</i>
⇒ <i>Thrown from tractor but <u>not</u> run over</i>	<i>7</i>
⇒ <i>Highway motor vehicle & tractor collisions**</i>	<i>2</i>
⇒ <i>Total deaths</i>	<i>110</i>
⇒ <i>Potential lives saved by ROPS & seat belts</i>	<i>108</i>

* KY Fatality Assessment and Control Evaluation (FACE) data 1994-99.

** Two of these collisions involved large trucks traveling at high speed. A ROPS and seat belt would probably not have prevented the death of the tractor operator.

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Project goals

- *To increase the number of ROPS and seat belts on farm tractors*
- *To encourage retirement of older tractors without ROPS or restrict them to jobs with less chance of overturns*
- *To promote other safe tractor practices (e.g., no extra riders, use of slow moving vehicle [SMV] signs, etc.)*

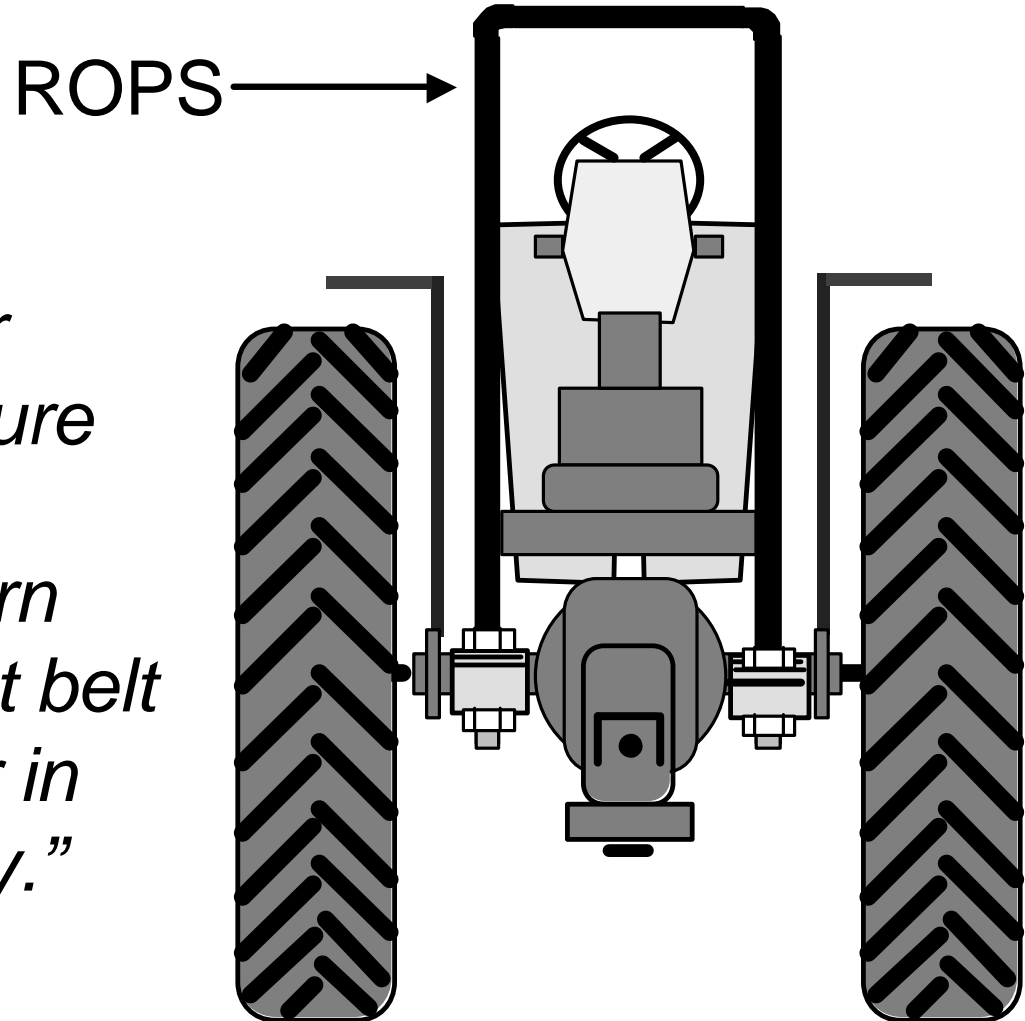
Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

What's a ROPS?

*ROPS - RollOver
Protective Structure*

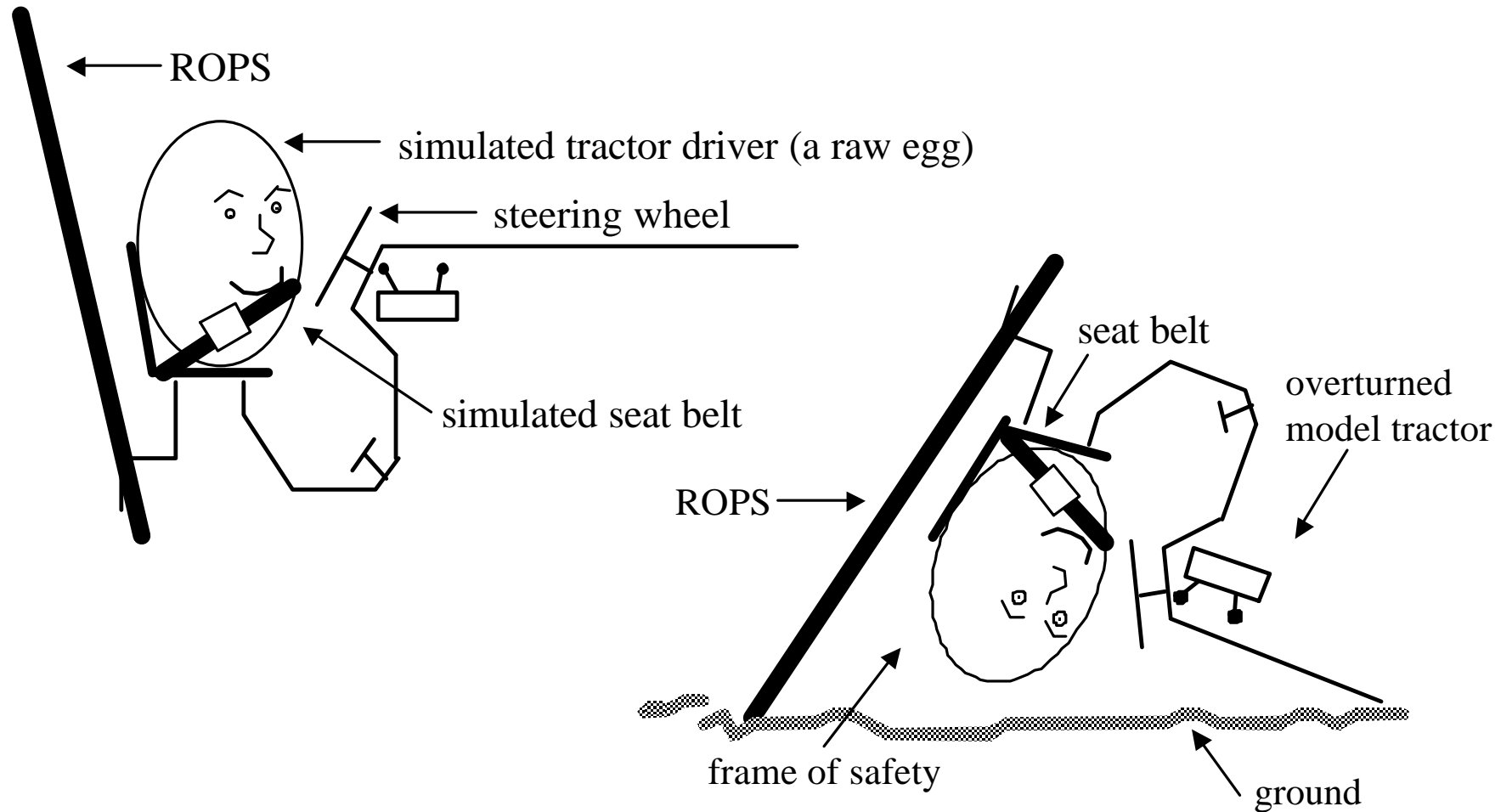
*During an overturn
a ROPS and seat belt
hold the operator in
a "frame of safety."*



Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

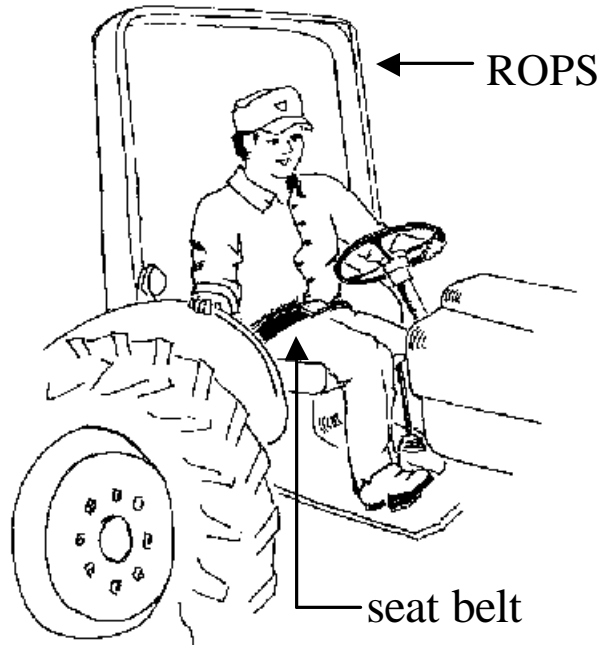
Demonstrating how a ROPS works



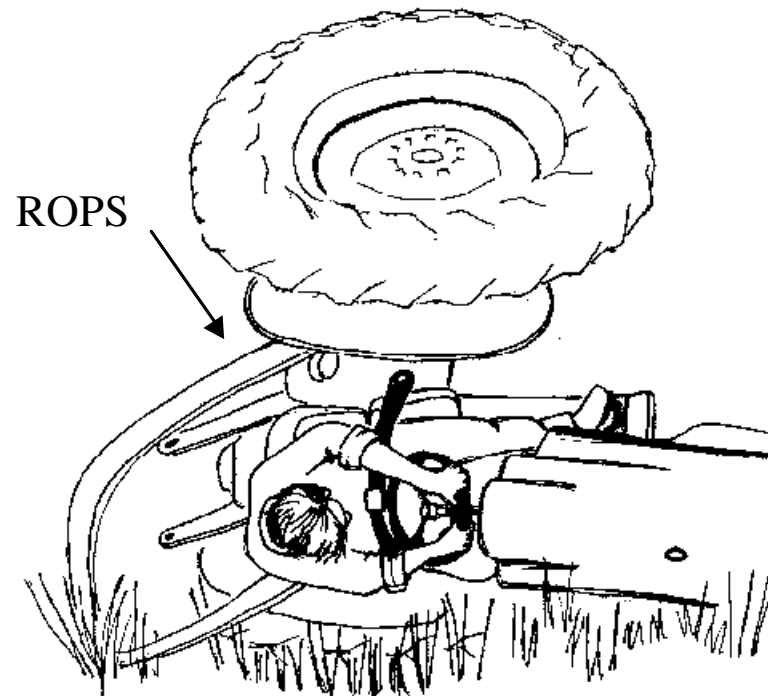
Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

How a ROPS and seat belt work



A fastened seat belt holds the operator on the tractor seat.

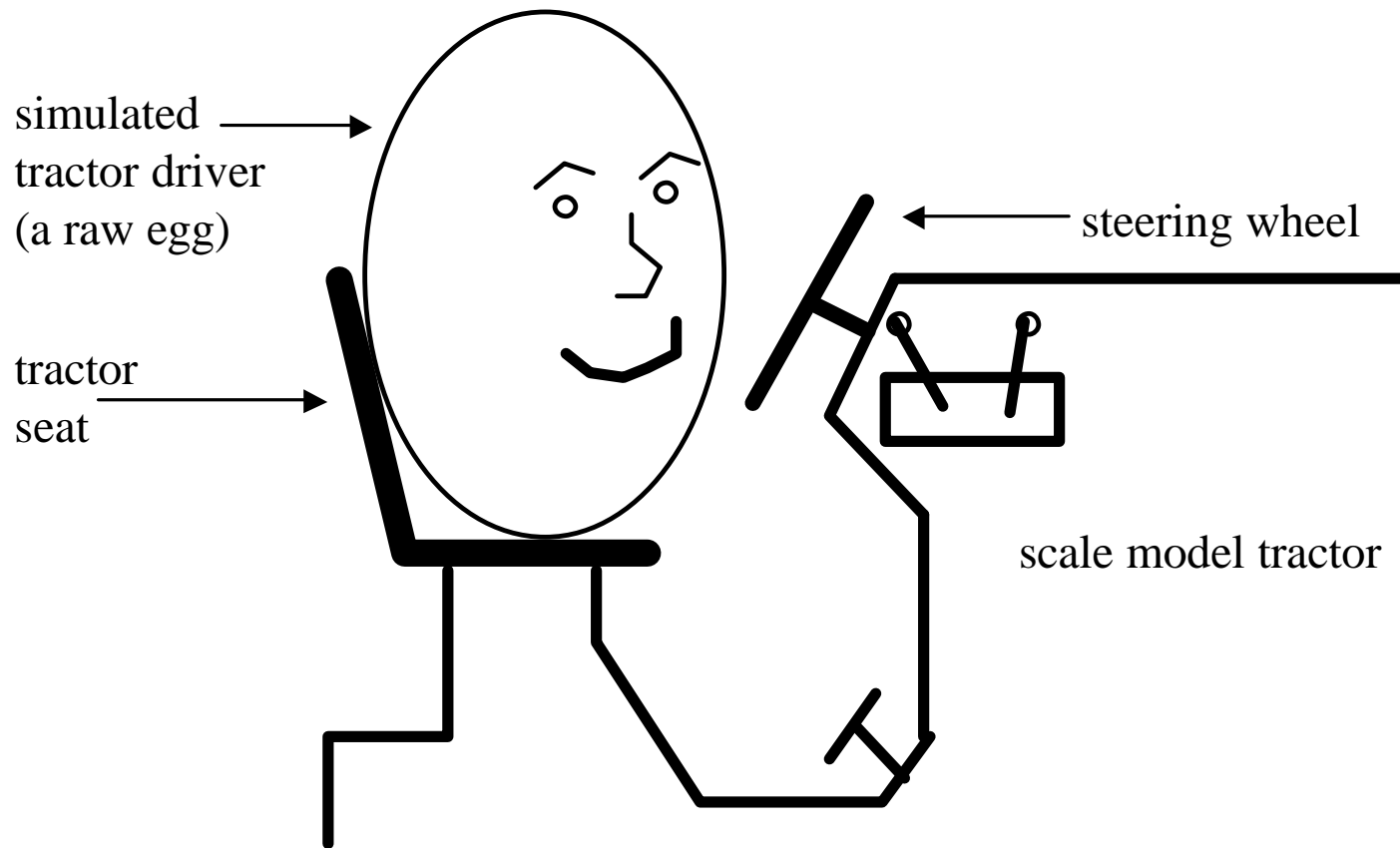


During an overturn the operator stays within the ROPS "frame of safety."

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

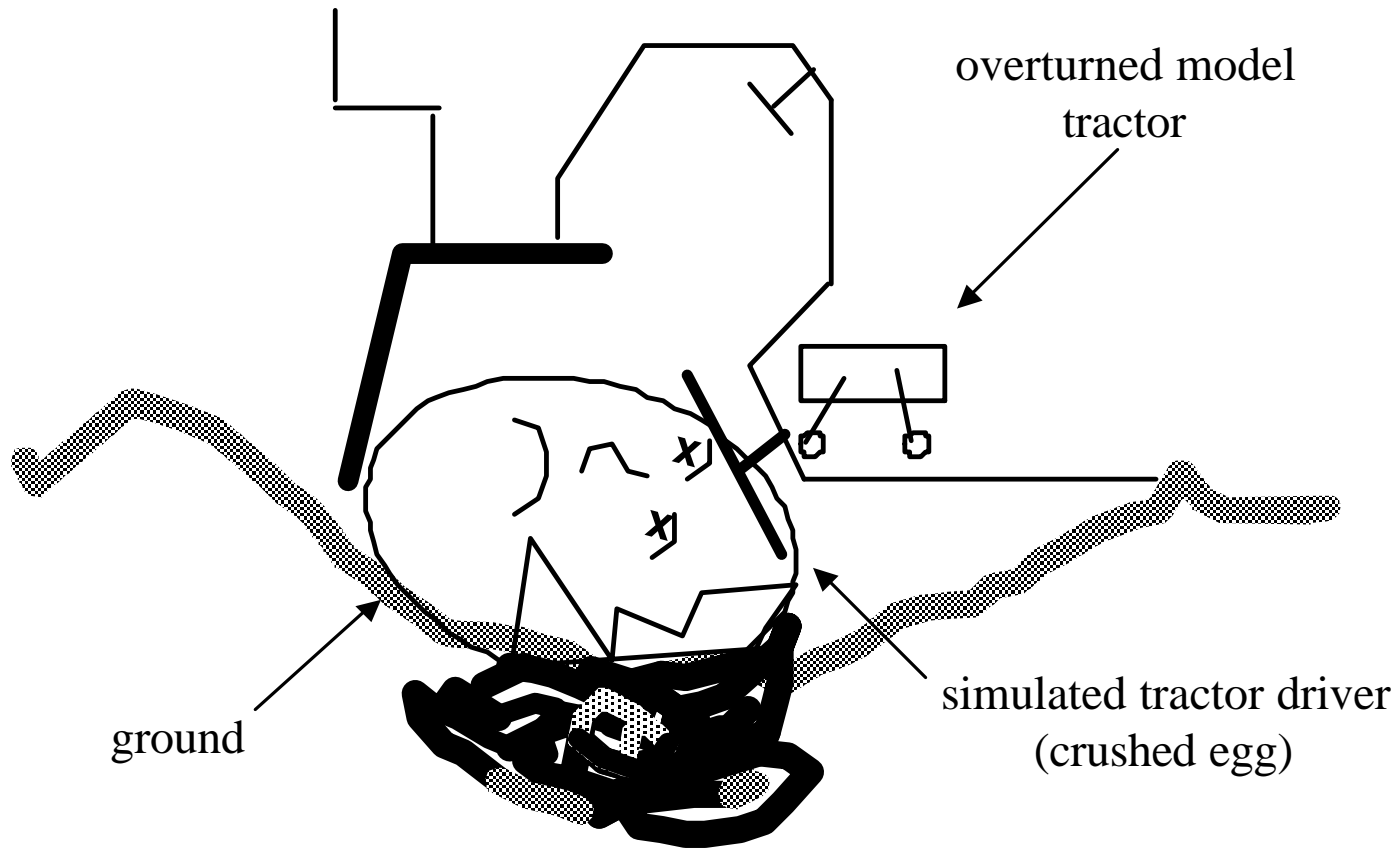
Living dangerously (no ROPS, no seat belt)



Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

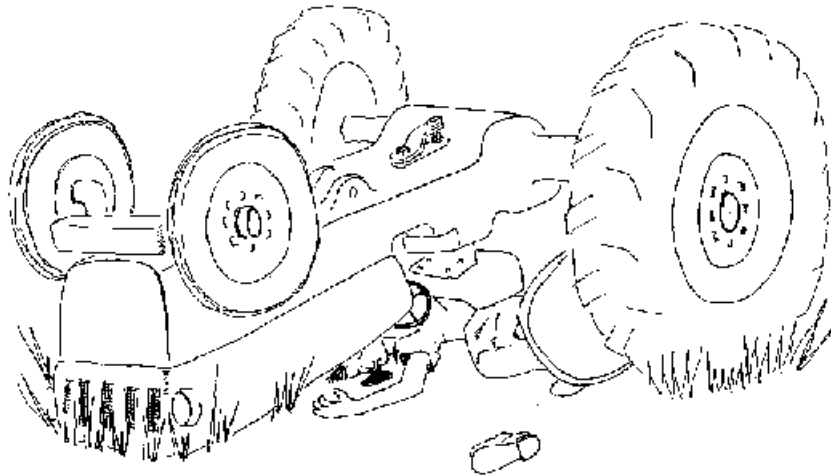
An overturn without a ROPS



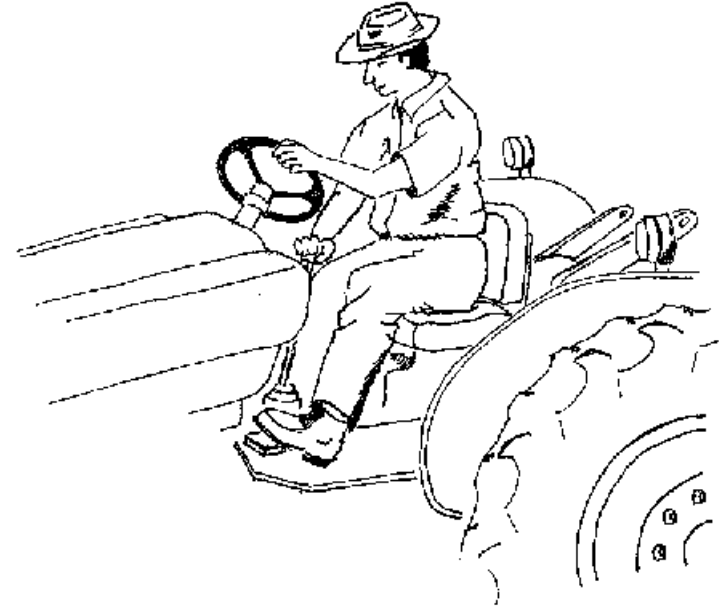
Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Overturns without ROPS are deadly



During a recent six-year period, 76 Kentucky farmers died when their tractors overturned. ROPS and seat belts could have saved all 76.

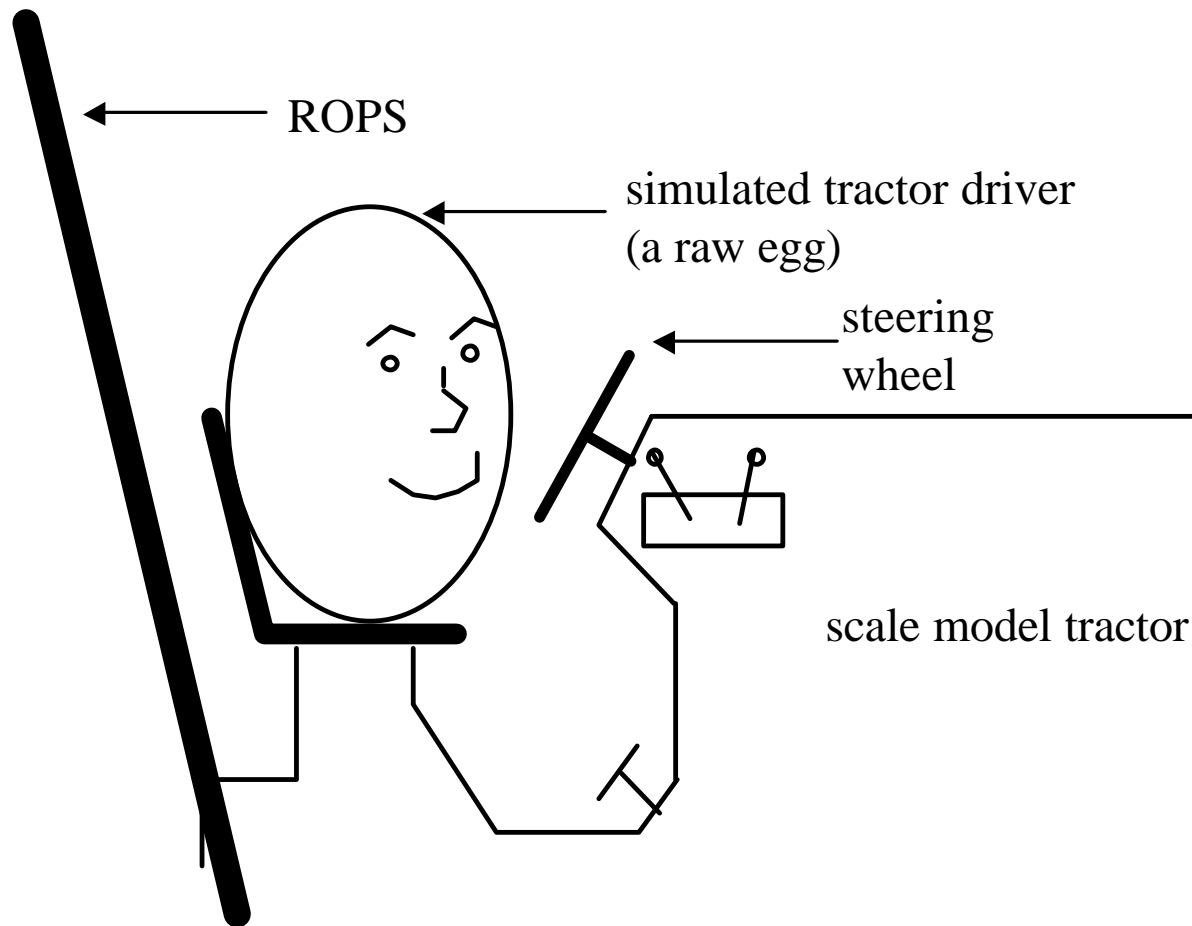


Without a ROPS and seat belt the operator is unprotected during an overturn.

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Partially protected (ROPS but no seat belt)

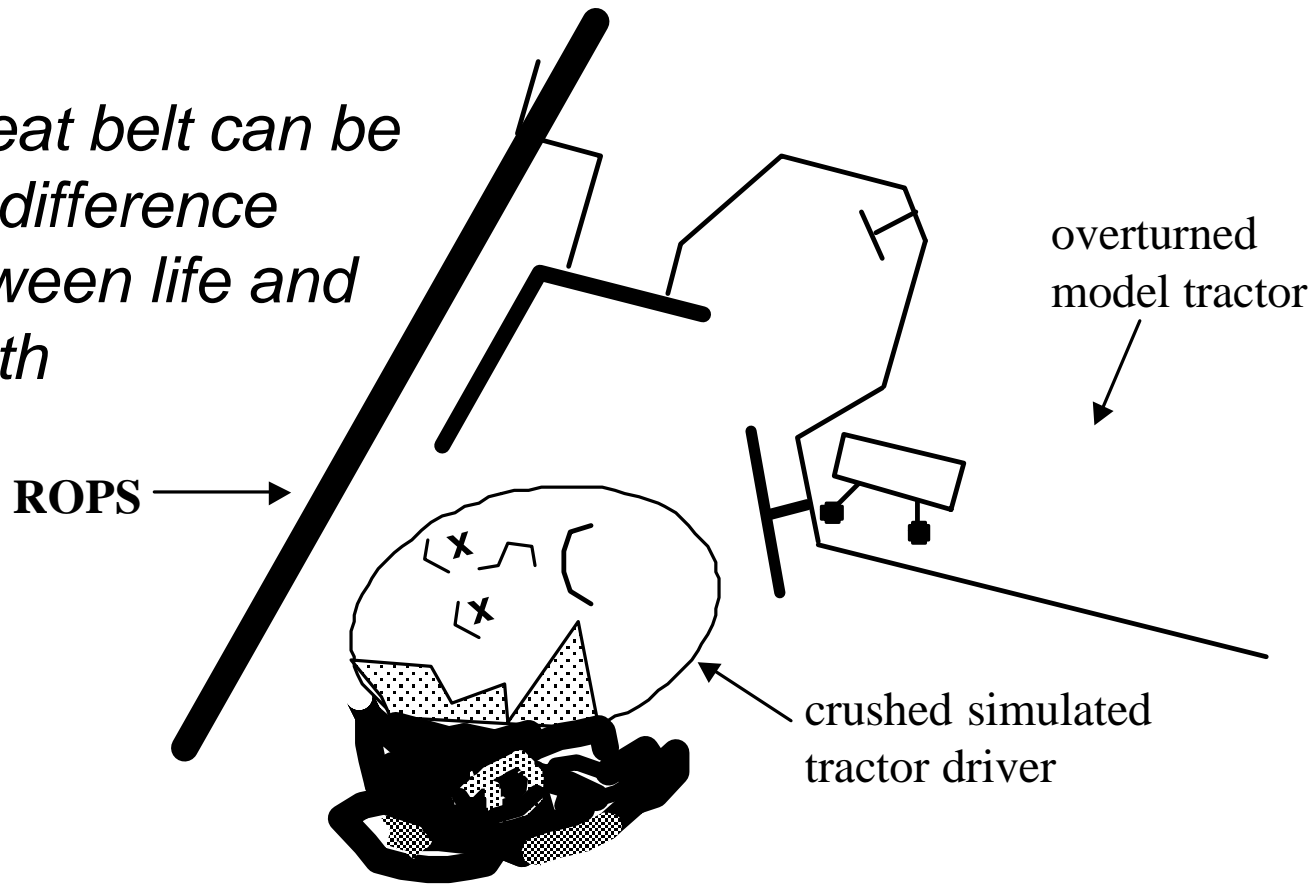


Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Why fasten the seat belt?

*A seat belt can be
the difference
between life and
death*

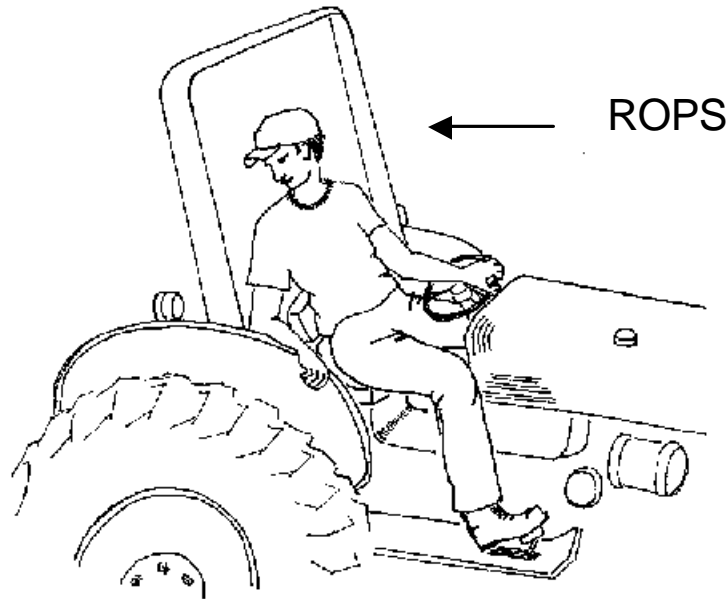


Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

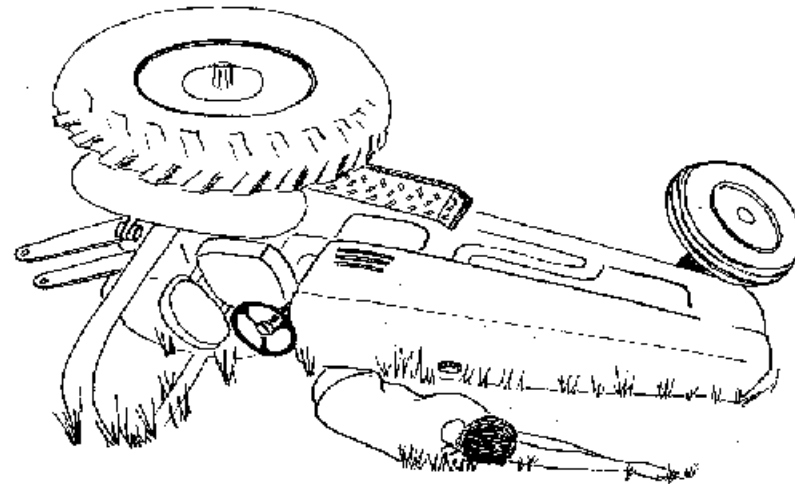
*This message provided by _____
and the Community Partners for Healthy Farming*

Effectiveness of ROPS & seat belts

Together ROPS and fastened seat belts are 98% effective in preventing injury and death during tractor overturns.



A ROPS alone greatly reduces the risk of being killed during an overturn compared to a tractor without a ROPS. Add a fastened seat belt and the operator is usually **not** injured in an overturn.



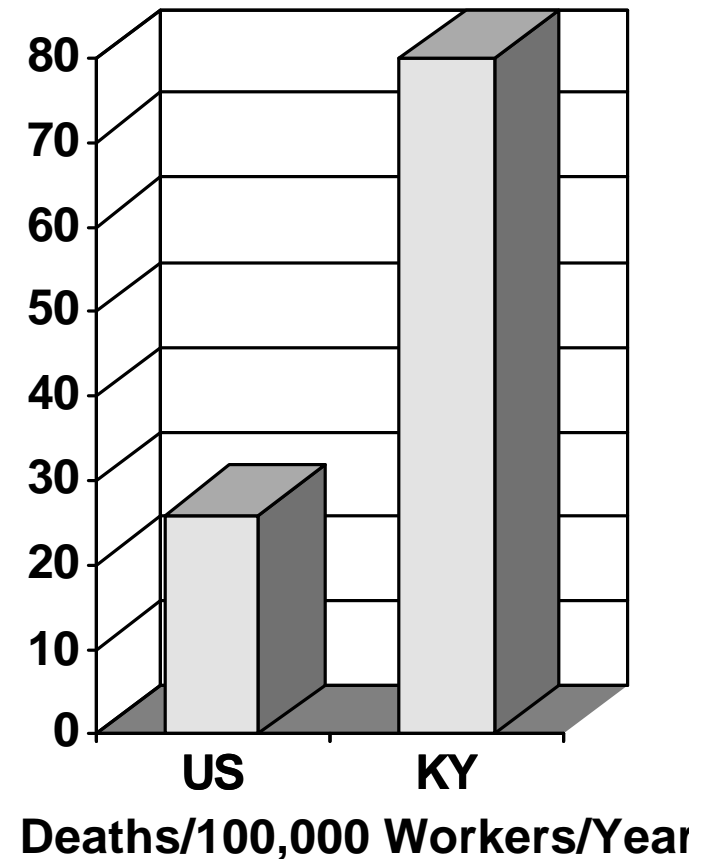
In this case, the ROPS saved his life. A buckled seat belt would have saved his legs, huge medical bills, and a permanent disability.

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Kentucky farmers at risk-1994

- *In 1994, the KY fatality rate in Ag/Forestry/Fishing was **3.1 times** the national rate.*
- *In KY, nearly all of these deaths were farming related.*

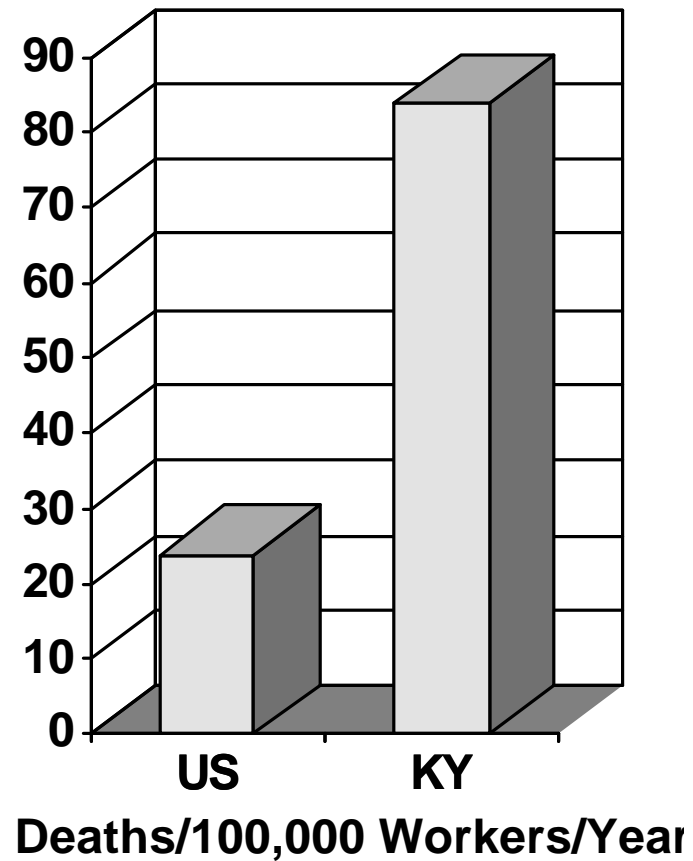


Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

This message provided by _____
and the Community Partners for Healthy Farming

Kentucky farmers at risk-1995

- *In 1995, the KY fatality rate in Ag/Forestry/Fishing was **3.5 times** the national rate.*
- *In KY, nearly all of these deaths were farming related.*

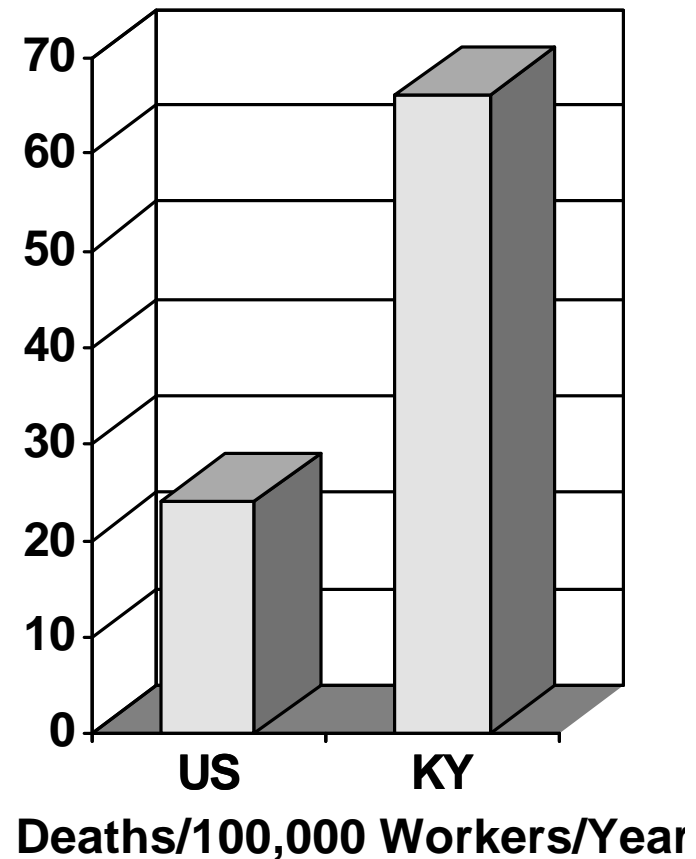


Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Kentucky farmers at risk-1996

- *In 1996, the KY fatality rate in Ag/Forestry/Fishing was **2.8 times** the national rate.*
- *In KY, nearly all of these deaths were farming related.*

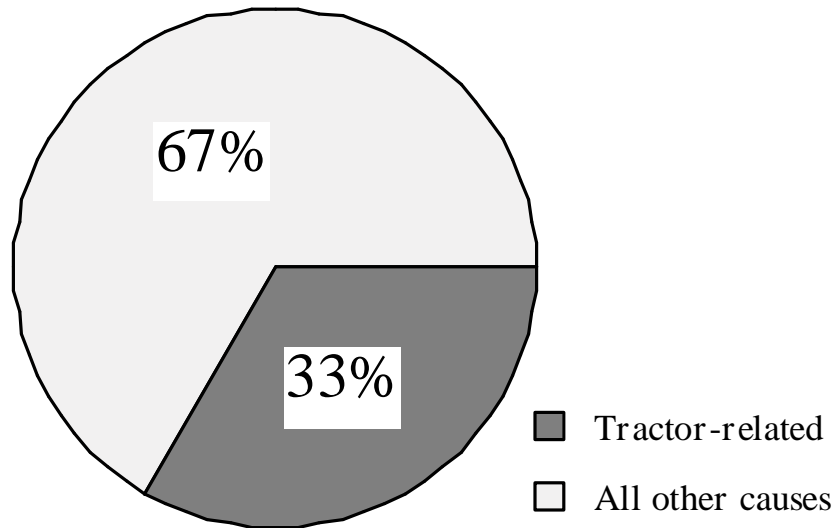


Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

This message provided by _____
and the Community Partners for Healthy Farming

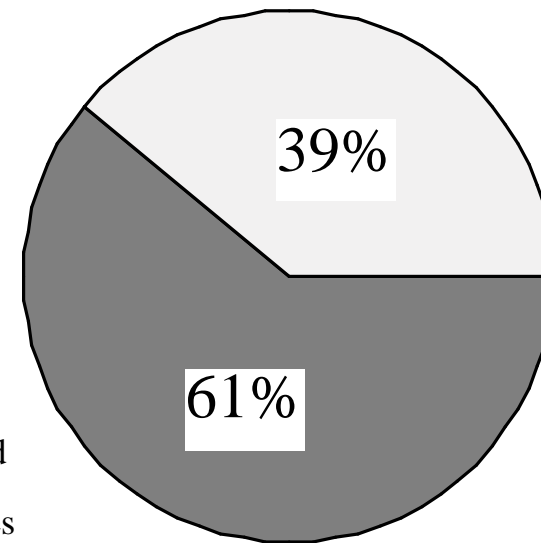
Tractor-related farm deaths

Average for US Farming States



National Safety Council
1998 data for the US

Kentucky 1994-98

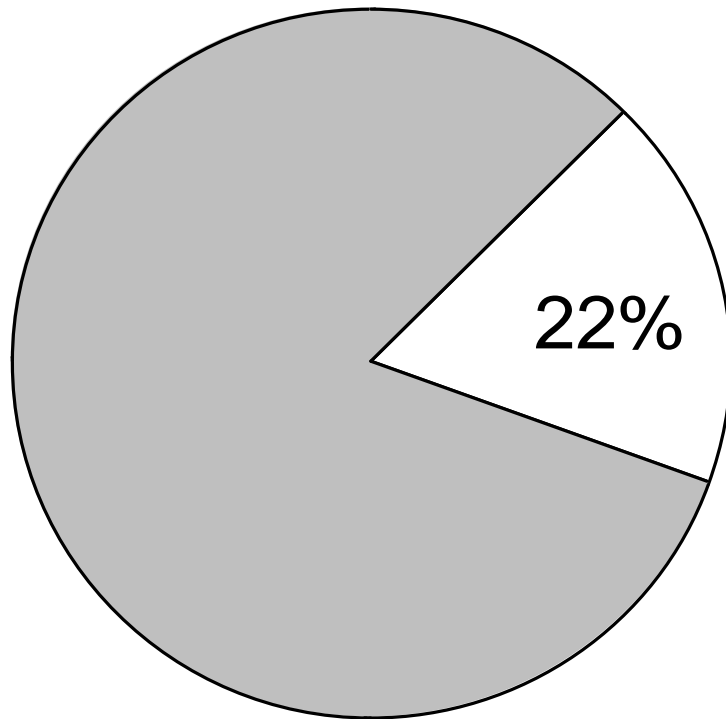


UK Kentucky Fatality Assessment
and Control Evaluation data

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Kentucky's annual farm injuries



Kentucky has more than 5,000 farm injuries per year.

More than 1,100 involve farm tractors

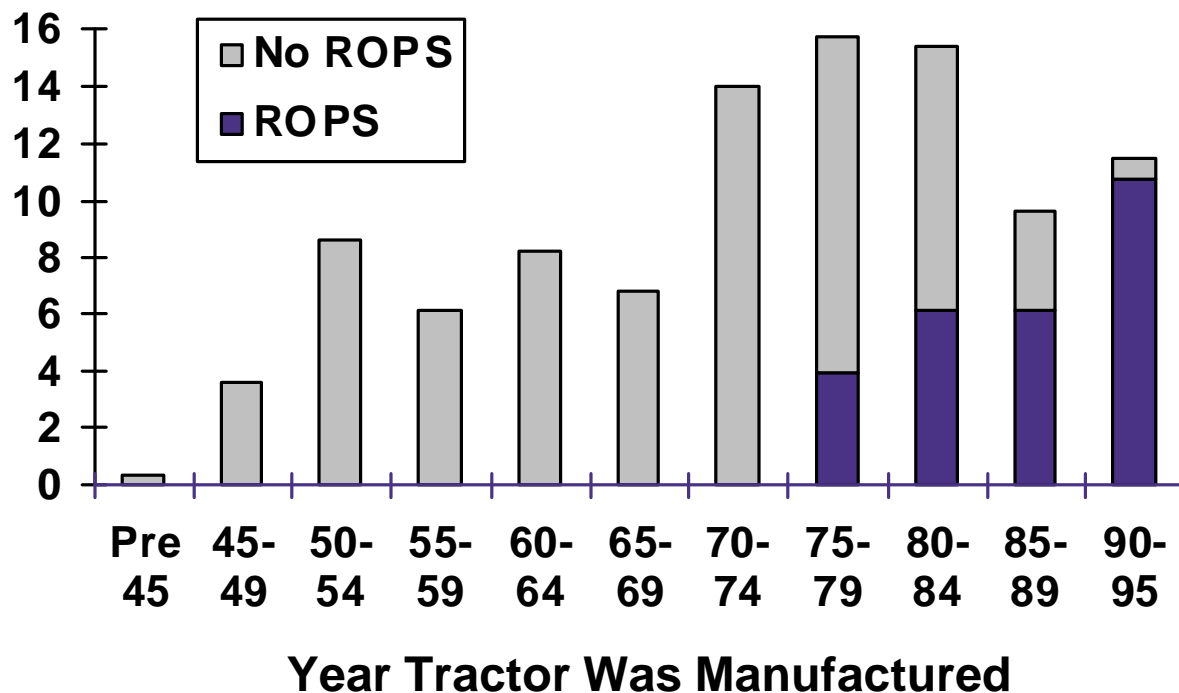
Farm tractor-related injuries

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Age and ROPS status of KY tractors

% Tractors



Taken as a whole, the bars represent all of Kentucky's working farm tractors. Each bar is the percent of tractors manufactured in a given five-year period.

The dark portions of the four bars represent the 29% of tractors equipped with ROPS. When these tractors overturn, the driver is seldom injured.

The light gray portions of all the bars represent the 71% of tractors without ROPS. When these tractors overturn the driver is often seriously injured or killed.

Based upon examination of 282 tractors from a random sample of 149 farms with principal operators age 55 years or older

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

This message provided by _____
and the Community Partners for Healthy Farming

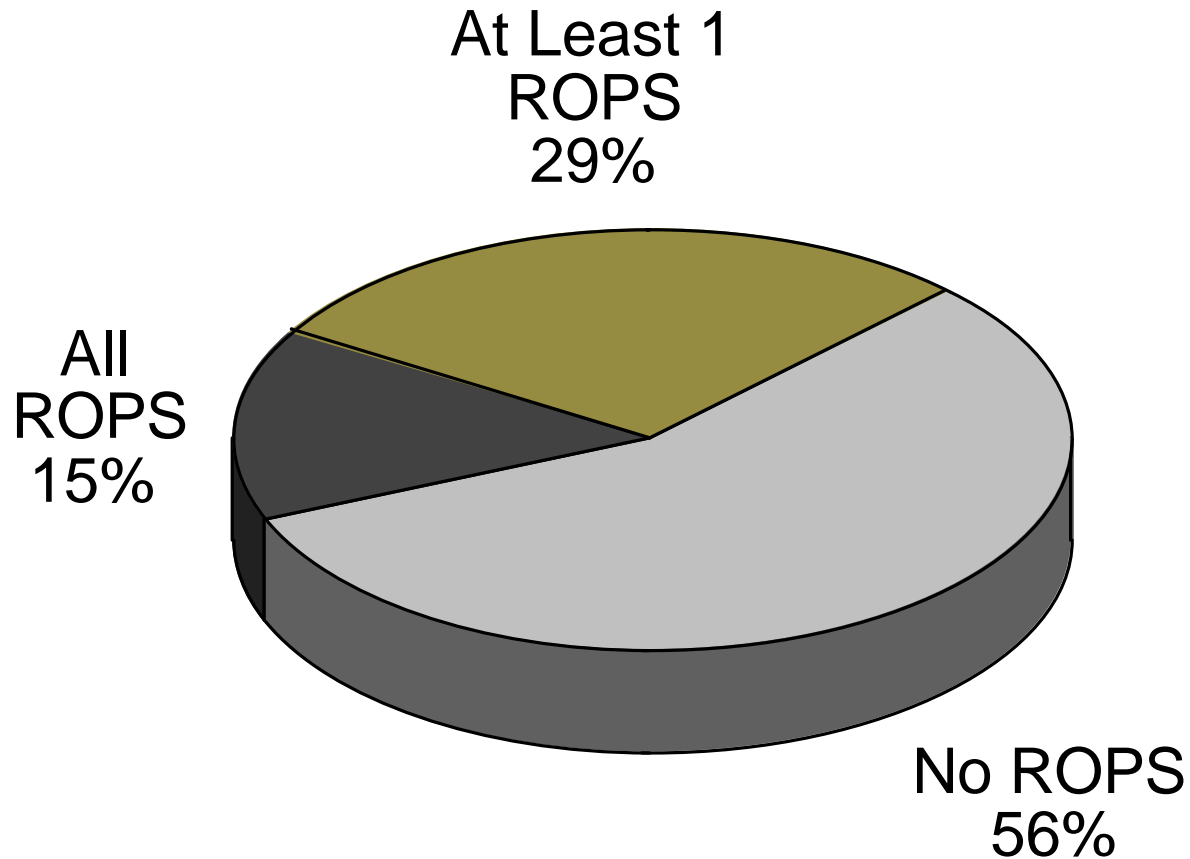
Lifetime chance of an overturn

- *1 in 9 Kentucky farmers age 55 or older have overturned a tractor and lived*
- *1/3 of these survivors have had two or more overturns*
- *Many of these persons were injured*
 - *some received minor injuries*
 - *some received severe injuries*
 - *some were permanently disabled*
- *If you don't have a ROPS on your tractor you are at risk of injury or death*

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Percent of Kentucky farms with ROPS equipped tractors

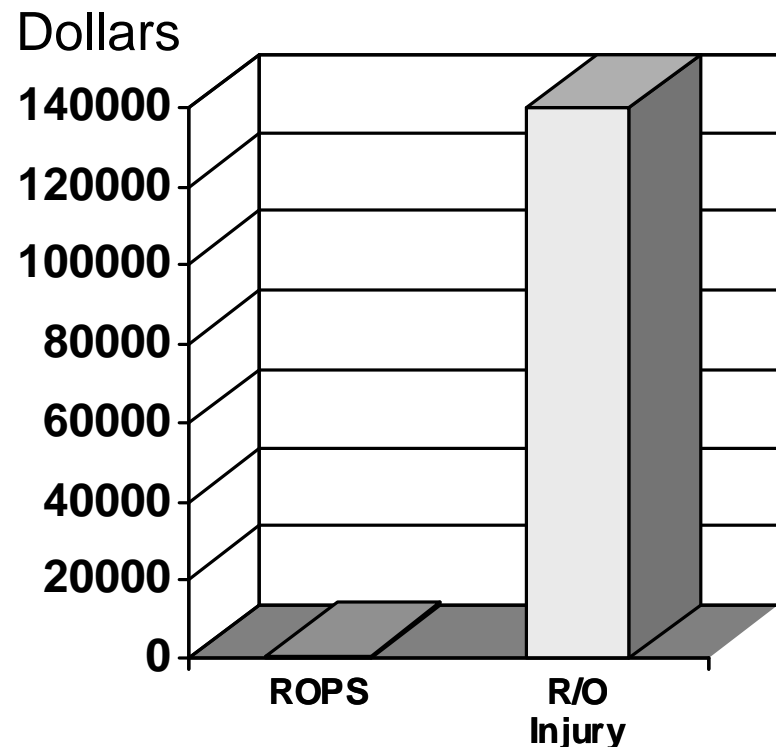


Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

Are ROPS cost effective?

- *A study at UK found medical costs from a severe overturn injury can be \$140,000 +*
- *Tractor overturn fatalities and serious injuries often result in loss of the farm*
- *A ROPS is a one-time cost < \$1,000*



Relative costs of a ROPS vs. a serious rollover injury

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*

If this happened to your son ...



Wouldn't you want him on a ROPS-equipped tractor?

Wouldn't you hope he was wearing the seat belt?

If you or someone in your family rolls a tractor without a ROPS it can turn your life upside down.

Set a good example! Protect your loved ones and yourself. Get a ROPS and buckle up!

Contact your local equipment dealer today to install a ROPS and seat belt on your tractor!

*This message provided by _____
and the Community Partners for Healthy Farming*