

Off-Road Vehicles/Machines Utility Task Vehicle



Most Protection

1. 4 to 6 wheel UTV; diesel engine or electric motor; designed for speeds less than 20 mph; certified ROPS and seat belt; integral cargo bed; operator has valid driver's license; all operators have received hands-on training.
2. 4 to 6 wheel UTV; diesel engine or electric motor; designed for speeds less than 25 mph; no ROPS or seat belt; integral cargo bed; operator has valid driver's license; all operators have received hands-on training.
3. 3 to 6 wheel UTV; gasoline or diesel engine; designed for speeds over 25 mph; no ROPS or seat belt; integral cargo bed; all operators have received hands-on training.
4. 4 wheel UTV; gasoline or diesel engine; designed for speeds of 25-50 mph; no ROPS or seat belt; damaged, rusted, worn-out integral cargo bed; operator has no hands-on training.
5. 3 or 4 wheel UTV; gasoline engine; altered for speeds that can exceed 50 mph; no ROPS or seat belt; homemade or after-market, mis-fitted cargo bed; operator has no hands-on training.

Least Protection (over)

Reminders

Reverse signal alarms improve UTV safety.

Lower UTV speeds reduce risk to the operator and passenger.

UTV manufacturer's payload weights should not be exceeded.

Personal Protective Equipment



Laws, Regulations, Standards, and Guidelines:

Laws, regulations, standards, and guidelines are constantly being updated and revised. Be sure to check the latest version of any document listed below. Be aware that new laws, regulations, standards, and guidelines on this topic may be generated at any time.

American National Standard for Commercial Turf Care Equipment-Safety Specifications, ANSI/OPEI B71.

Tip-Over Protection (TOPS) for Front Wheel Drive Turf and Landscape Equipment, ASAE S547.

Other:

John Deere, Inc., training sources for utility task vehicles (utility vehicles) suggest the following safety considerations:

1. Carrying cargo increases the space needed to stop the vehicle.
2. Carrying cargo raises the center of gravity, which increases the risks of roll-over (Figure 1).
3. Passengers must be seated only in the passenger seats provided, not in the cargo bed.
4. Passengers must be instructed to use the hand holds provided if a ROPS and seat belt are not available.
5. Avoid steep banks and ditches which increase the risk of roll-overs.

SAE ROPS design criteria for agricultural tractors has been used for most lawnmower ROPS (e.g. Deere, Kubota, New Holland, and eXmark). SAE J1040 is also used for lawnmower and off-road utility vehicle ROPS design.



Figure 1.