

# SaferFarm.org – Farm Hazard Analysis Tool

## Tractors

### Access Steps



#### Least Protection

1. Operator's platform is greater than 27 inches above the ground and no steps are present.
2. Broken or not secure, rung for step.



3. Small, narrow, bent, partially removed or modified; rung for step.

4. Good tread but cluttered; not clear of debris or mud, wide step(s).



5. Good tread, clean, wide steps; operator's platform is no more than 27 inches high (steps are not required).

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Bypass Starting

#### Least Protection

1. Starter cover and bypass warning decal are not present.
2. Starter cover is made of rubber; bypass warning decal is hard to read.
3. Starter cover is made of rubber; bypass warning decal is prominently displayed on the starter.
4. Starter cover is made of plastic and encloses terminals or starter terminals are not accessible; bypass warning decal is hard to read.
5. Starter cover is made of plastic and encloses terminals or starter terminals are not accessible; bypass warning decal is prominently displayed on the starter.

#### Most Protection



Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractor

### Fire Extinguisher



#### Least Protection

1. No fire extinguisher is present or one is present but has been discharged.

2.



3. BC type fire extinguisher with at least a 5 pound capacity is mounted on the tractor.

4.



5. ABC type fire extinguisher with at least a 5 pound capacity is mounted on the tractor.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Fuel Cap



#### Least Protection

1. No cap; rag stuffed into fuel filler tube.

2.



3. A non-vented cap.

4.



5. Vented cap designed for tractor.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Headlights and Flashers

#### Least Protection

1. None; no headlight or warning flashers work.
2. No headlights working but warning flashers working or headlight(s) working but warning flashers not working, or visible from one direction only.
3. One headlight and some warning flashers not working.
4. Both headlights and some warning flashers working or one headlight and all warning flashers working.
5. Both headlights and all warning flashers working, and are clearly visible.

#### Most Protection



Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

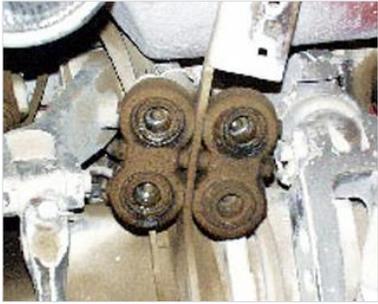
Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Hydraulic Couplers



#### Least Protection

1. Couplers are extremely dirty and completely open, caps are completely missing.

2.



3. Some couplers are capped, or have hoses hooked up; or some couplers are uncapped, but caps are present. Uncapped couplers are moderately dirty.

4.



5. Couplers are clean and capped, or hoses hooked to couplers.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm:

Inspector:

Date:

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## Tractors

### Hydraulic Hoses

#### Least Protection

1. Hoses are leaking fluid and/or external rubber layer is separated from steel braiding.
2. Hoses have numerous cracks and gouges. Hoses are taped or modified to cover cracks and gouges.
3. Hoses have some noticeable cracks and gouges. The hoses are not coiled.
4. Hoses are in good condition, show some wear, excessive hose is coiled.
5. Hose have brand new appearance, excessive hose is coiled.

#### Most Protection



Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Muffler



#### Least Protection

1. No muffler or pipe present

2. Straight pipe, no muffler.



3. More than 50 percent rust (flap or clamp may be missing).

4. Less than 50 percent rust.



5. Like new, no rust; flap and clamp in good shape.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

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Date: \_\_\_\_\_

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## Tractors

### Operator Platform/Tool Storage

#### Least Protection

1. Operators platform is littered with tools, rags, chains, and other debris. Tool box is missing.



2.

3. Operators platform is relatively clean, some tools are on platform but stowed out of the way of the operator. Most tools are in a tool box. The tool box may not be secure, is overfilled, or in poor condition.



4.

5. Clean operators platform, free of debris or tools. Tools are placed in a tool box that closes and is secured to the tractor (see Figure 1).



#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

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## Tractors

### PTO Master Shield

#### Least Protection

1. Master shield is missing.
- 2.
3. Master shield in place but a bend, crack or slice reduces its protection; original or current shield offers poor protection.
- 4.
5. Master shield is in place and in good condition; shield offers good protection. A stub shaft guard may also be present.

#### Most Protection



Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Rear Brake Pedals

#### Least Protection

1. Either brake locking or setting mechanisms don't exist or are so bent, distorted, etc. They are not usable.



2.



3. Brake locking and setting mechanisms appear partially bent, loose, or out of alignment; difficult to use.

4.



5. Brake locking and setting mechanisms are in good condition; easily used; has Park option on transmission (Figure 3).

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Rear Wheel Fenders



#### Least Protection

1. Both fenders missing
2. One fender missing.
3. One or both fenders loose or twisted.
4. Both fenders on, firmly attached.



5. Tractor has enclosed cab.



#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Rear-View Mirror



#### Least Protection

1. There is no mirror on either side.
2. Mirror glass is largely cracked or pieces of glass missing resulting in serious interference with viewing. Mirror is not adjustable, one side only.
3. Mirror has some glass cracked, but still viewable. Mirror is not adjustable, one side only.
4. Mirror has all glass intact. Adjustable mirror on one side only.
5. Mirror has all glass intact. An adjustable mirror is on each side.



#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### ROPS

#### Least Protection

1. No ROPS installed on the tractor or tractor with weather cab only.
2. A modified or homemade ROPS.
3. Two-post ROPS.
4. ROPS cab with missing or improperly shutting door or missing window glass; a 4-post ROPS.
5. ROPS cab with all glass in place and a door that shuts properly.

#### Most Protection



Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Seatbelt



#### Least Protection

1. Seatbelt has been removed; or rendered unusable.

2.



3. Seatbelt straps are properly anchored; straps are oily and/or twisted; straps and buckle difficult to reach.

4.



5. Seatbelt straps are properly anchored, and in excellent condition; straps and buckle are easily reached.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### SMV Emblem



#### Least Protection

1. Missing.

2.



3. Faded, not in correct place; noticeably bent; upside down; partially obstructed; muddy.

4.



5. On, properly placed, bright in color.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Storage Batteries/Cables

#### Least Protection

1. Battery not covered or protective casing is cracked. Terminals are badly corroded. Cable(s) are cracked and need replacement.

2. Battery is in poor condition, not protected well, considerable corrosion on terminals.

3. Battery is in average condition, not completely secured, partially exposed. Terminals need cleaning of corrosion.

4. Battery is covered, completely enclosed and secured. Battery enclosure is rusting/corroding. Cables are in good condition. Terminals have some corrosion.

5. Battery is covered, completely enclosed, and secured. Cables like new. Terminals are well lubricated and clean.

#### Most Protection



Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Tires



#### Least Protection

1. Treads are bald with numerous cracks or gouges.
2. Tread is badly worn, rubber has multiple cracks or gouges.



3. Tread is wearing, a few sidewall cracks.

4. Tread is good, no cracks in the tire sidewalls.



5. Tires like new, no side wall gouges.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Tractor Seat



#### Least Protection

1. Makeshift or non-tractor seat.
2. Seat twisted; cockeyed; no suspension; rusted-through seat.
3. No arm or back rest (pan seat); cushion and upholstery in poor condition; no suspension.
4. Back rest only; worn cushion; ripped upholstery; weak suspension.
5. Back and arm rests; upholstery like new; suspension works.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_

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## Tractors

### Wheel Spacing



#### Least Protection

1. Tractor has tricycle front end.

2.



3. Wheels are set at minimum width.

4.



5. Wheels are set at maximum width.

#### Most Protection

Item:	Item:	Item:	Item:	Item:
O1	O1	O1	O1	O1
O2	O2	O2	O2	O2
O3	O3	O3	O3	O3
O4	O4	O4	O4	O4
O5	O5	O5	O5	O5

Farm: \_\_\_\_\_

Inspector: \_\_\_\_\_

Date: \_\_\_\_\_