**Environmental Health and Safety**

2408 Wanda Daley Drive

Ames, IA 50011-3602

**Site Specific Farm Equipment Training and Demonstration of Skills** Phone: (515) 294-5359

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| **Equipment** | **Risks** | **Precautions** | **Demonstration/Comments** |
| Pickup/motor vehicle | High speed travel, ice, snow, wind, deer, fatigue | Seat belt, monitor weather, reduce speed during inclement weather and at night, stop if tired, turn off and remove the key before repair/maintenance |  |
| Utility Vehicle | Burn from exhaust of engine, oil under pressure, rollover, dust, noise, extreme temperatures, other vehicles | Keep all shields in place and operational, seat belt, use hearing protection (if cabless), dress for the weather and take breaks, use signals and caution when turning/braking |  |
| All Tractors | Burn from exhaust or engine, oil under pressure, rollover risk, road travel, PTO, warning lights, noise, ladder, trip hazard during dismount, battery acid | Seat belt location, park break, brake pedal lock, how to check engine oil, hydraulic oil, & coolant temperature, use low RPM when operating around others if possible, maintain 3 points of contact, proper way to charge dead battery |  |
| Loader Tractor | Pinch points on loader, increased rollover risk | Carry load low, decrease speed |  |
| Cabless tractor | operator noise, increased rollover risk | Reduce RPM if possible, use hearing protection |  |
| General implements/  tillage  equipment | Crush hazard if under equipment, pinch hazard on folding wings and other moving parts, falling hitch, hydraulic lines under pressure, rotating PTO shaft, cutting edges may be sharp | Turn tractor off and remove key before  repair/maintenance, lower or block equipment during repair/maintenance, release hydraulic pressure before working on lines, use the approved jack when unhitching, keep all shields in place and operational (PTO shield should not spin), use leather/work gloves when working near sharp edges |  |
| Planter/drill | Seed treatment, talc/graphite dust | Use disposable gloves or wash hands after handling seed, pour away from the face |  |
| Sprayer | Slip hazards, fall from height, refer to Pesticide Handler training for chemical use | Wear non-slip shoes/boots, follow label instructions for required PPE (gloves, Tyvek, goggles, respirator, etc.) |  |
| Feed Wagons | Dust with dry rations, rotating augers and reels | Mix outside or well-ventilated area, never enter the mixer while tractor is running, keep shields in place |  |
| Mowers  (batwing, hay, or lawn) | Sharp rotating blades, flying debris,  Lawn - noise, dust | Turn off mower when people are present/near, wear gloves when handling sharp blades, keep shields/guards in place and operational  Lawn - use hearing protection, voluntarily use of N95 |  |
| Hay Baler | Plugged pickup, dust, knives (twine) | Use gloves to unplug baler, engage tailgate lock if you must enter the chamber, keep cab closed if possible to reduce dust or may voluntarily use N95 |  |
| Trailer or wagon (gravity, seed tender, fuel cart, head trailer, flatbed, | Increased weight makes it harder to stop, significantly longer than pickup alone, may cause obstructed rear view, can be difficult to reverse, center of gravity may change when loaded | Decrease speed, allow more time to stop, ensure trailer brakes work (is present), make wide turns, use signals, use a spotter if backing into tight/unknown areas, ensure load is secure (strapped/tarped), proper tie-down of load |  |
| Skid Loader | Burn from exhaust or engine, oil under pressure, rollover risk, pinch points on bucket, warning lights, crushing if exit/enter while loader is lifted | Seat belt location, lap bar, Park brake, how to check engine oil, hydraulic oil, & coolant temperature, how to change attachment, |  |
| Combine | Burn from exhaust or engine, oil under pressure, road travel, warning lights, noise, augers, knives, projectiles, dust, corn/platform heads, ladder, fall from height | Seat belt location, park break, brake pedal lock, how to check engine oil, hydraulic oil, & coolant temperature,  turn combine and remove the key before repair/maintenance, ensure no one is behind the chopper before operation, use 3 points of contact when climbing the ladder |  |
| Electric Power  Washer | Water under pressure, electric shock, | Stay out of standing water, make sure electrical cord is not in standing water, avoid spraying people or animals |  |
| Gas Power  Washer | Carbon Monoxide Poisoning, water under pressure, burn from engine | Use only outside in well ventilated area, avoid spraying people or animals |  |
| Chainsaw | Blade is sharp, tree falling, binding saw, exhaust fumes | Use safety equipment provided: chaps, gloves, safety glasses, hearing protection, always have escape route planned, avoid windy conditions |  |
| Power Tools | Projectiles, heat/hot objects,  sawdust/shavings, sharp bits/blades, electric shock, | Keep all guards/safety devices in place and operational, wear eye protection, wear leather or heat resistant gloves, be aware of bystanders near tool operation, do not use damaged cord |  |
| Animal Handling | Unpredictable behavior, kick, headbutt, bites, (list species in comments) | Use low-stress handling techniques, remove aggressive animals from the herd, avoid placing yourself in small areas with an animal, use restraint for procedures |  |
| Specialty, test, or new equipment | Refer to operator manual if no one is available to train on new or specialty equipment, trainers should refer to operator manual | Work slow, be attentive to any moving parts, experienced operators only |  |
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**Employee Name:**

**Phone Number:**

**Emergency Contact:**

(optional)

**Phone:**

**Comments:**

I have read this document and have had risks and precautions for each piece of equipment explained to me. I have had the opportunity to ask questions about anything that is unclear to me. I have received a hands-on demonstration on the operation of each piece of equipment. I know where operator manuals are located and know that I have access to them at any time. I have been trained on how to use each item listed above unless it has been crossed off. A copy of this of this document has been offered to me.

Date Employee Signature Supervisor Print Supervisor Signature

*Supervisor: Please retain the original training document, either electronically or physically, for your records.*