

KSU COLLEGE OF AGRICULTURE FARM HAZARD INSPECTION CHECKLIST

Building & Room(s):	Inspected By:
PI/Area Supervisor:	Date:

All laboratory spaces containing hazardous materials must be inspected at least annually by EH&S. Farm self-inspections should be conducted monthly. For each item put an 'X' for Yes, No or N/A. Be sure to retain all documentation regarding inspections, including findings **and** corrective actions taken for any "No" responses, for a minimum of 3 years. Contact EH&S at 785-770-2289 for questions or additional information.

Y	N	N/A	FARM BUILDINGS AND SHOP
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1. Are all buildings free of trash, junk or tools in walkways and work areas?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Are wood floors free of rotten or broken floor boards, exposed nails and other defects?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Are concrete floors free from badly broken sections, raised areas, slippery spots or other defects?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Are stairs and ladders in good condition? Are handrails and stairs secure and free of objects and slippery substances?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Are ladder openings and hay chutes protected with cages or railings?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Are low ceilings, beams, doors or passageways marked with warning signs, streamers, or other identification?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Are buildings lighted to illuminate walkways and work areas so you can see hazards adequately?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8. Are light fixtures in storage areas or damp or dusty work areas protected against breakage, dust, and moisture?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9. Are all electrical outlets grounded to accommodate grounded (3-wire) appliances and equipment?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10. Are Ground Fault Circuit Interrupters (GFCI's) installed in the shop and common work areas, especially wet areas?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11. Are electric wires firmly supported or in conduit?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12. Does all electrical wiring insulation appear to be in good condition (not cracked, broken or brittle)?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13. Are all electrical cords in good condition (not cracked, broken or brittle)?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14. Are stationary power tools properly grounded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15. Are portable power tools either double-insulated or the three-wire grounded type?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16. Can electrical equipment be locked in the "off" position? Is a lock available?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17. Does each major farm building have a telephone for use in the event of an emergency?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18. Are important emergency telephone numbers posted (fire, ambulance, sheriff)?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	19. Does each major farm building have a well-maintained first-aid kit for use in the event of an injury?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20. Does each major farm building have an appropriate, fully-charged ABC-type fire extinguisher?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21. Are flammable liquids stored away from ignition sources? Are they kept in approved containers?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22. Are oily rags stored in an approved covered metal container?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23. Are above-ground fuel storage tanks at least 40 feet from any building?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24. Do above-ground fuel storage tanks have proper spill containment?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25. Is the area near fuel storage tanks kept free of weeds and other easily combustible materials?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26. Are "NO SMOKING" signs displayed in farm buildings and near fuel storage and refueling areas?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27. Are hand tools in good repair?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28. Are tools and materials stored so they cannot fall?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29. Are chemicals and hazardous substances stored out of the reach of children and visitors?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30. Can hazardous work areas be locked to keep visitors and children out?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31. Is personal protective equipment (goggles, respirators, rubber gloves, earmuffs, etc.) available?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	32. Are smoke detectors installed in appropriate locations and operating properly?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	33. Are doors and gates to hazardous areas (silos, manure storage, chemical storage, animal quarters, etc.)

**KSU COLLEGE OF AGRICULTURE
FARM HAZARD INSPECTION CHECKLIST**

			kept closed and secured to keep out children and visitors?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	34. Are smoke detectors installed in appropriate locations and operating properly?

Y	N	N/A	LIVESTOCK FACILITIES
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	35. Are pens, gates, chutes and lot fences adequate for the job, sturdy and well-maintained?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	36. Are livestock pens designed to allow for easy escape from an aggressive animal?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	37. Are livestock pens and work areas secured with locks to keep visitors and children out?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	38. Is livestock restraining equipment available and in good condition (for example, squeeze chutes, head-gates, etc.)?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	39. Are floors and walking surfaces clear of manure, mud and feed material?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	40. Are manure lagoons posted with warning signs and fenced to keep visitors, children and animals out?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	41. Are manure pit openings covered with secure grates and locked to prevent anyone from entering?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	42. Are manure storage areas posted with warnings about manure gases?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	43. Is manure handling equipment adequately shielded and well-maintained?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	44. Are animal medicines kept in a secure area stored in the original containers?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	45. Are barn chemicals—pipeline cleaners, fly sprays, disinfectants, etc.—stored in original containers and in a location inaccessible to visitors and children?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	46. Is feeding, grinding and other material-handling equipment properly shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	47. Are milking parlor and milk-house floors sloped uniformly for proper drainage?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48. Are vents clear? Do ventilation fans operate properly?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	49. Are portable heaters and other heating equipment in good condition? Are they properly vented and kept away from combustibles?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	50. Are electric water heaters for livestock properly installed and grounded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	51. Are animal medicines kept in a secure area stored in the original containers?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	52. Are animal working pens free from sharp projections such as nails and metal objects that might endanger animals or workers?

Y	N	N/A	CHEMICAL STORAGE AREAS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	53. Are chemicals stored in a room or building which can be secured from children, visitors and live-stock?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	54. Are entrances to chemical storage areas posted to warn others of the hazards inside and to inform fire-fighters of the contents in case of fire?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	55. Do chemical containers have original labels?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	56. Are chemicals stored in their original containers and never in food or drink containers?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	57. Are all empty chemical containers disposed of properly?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	58. Is smoking prohibited in and around buildings where chemicals are stored and when they are being handled?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	59. Is the storage area well-ventilated and lighted?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	60. Are chemicals mixed in a well ventilated area with spill-holding capacity?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	61. Are respirators, rubber gloves, aprons, chemical goggles, coveralls and other chemical protective gear available?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	62. Is breathing protection available for use when handling dusty or moldy grain, and when cleaning inside a bin?

Y	N	N/A	CROP AND FEED STORAGE AREAS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	63. Are entrances to grain, feed, or silage storage areas closed or locked to keep visitors and children out?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	64. Are grain and feed bins clearly labeled to warn of the hazards of flowing grain or feed?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	65. Are silos labeled to warn of the hazards of silo gas and an oxygen deficient environment?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	66. Are silo and bin ladders secure and in good condition?

KSU COLLEGE OF AGRICULTURE FARM HAZARD INSPECTION CHECKLIST

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	67. Do all bins have permanent ladders both outside and inside?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	68. Do silos or bins taller than 30 feet possess a safety cage or climbing device?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	69. Are all light bulbs adequately protected from dust, water and damage?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70. Are electrical motors and equipment kept clean of dust and provided ample ventilation?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	71. Are overhead power lines located away from bins, silos and barns where tall equipment may be used?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72. Can power be locked out to prevent unloading mechanisms and automatic equipment from starting?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	73. Are locks or tags available to lock out equipment?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	74. Are warnings posted in locations where automatic starting equipment is located?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	75. Are equipment guards and shields in place and in good condition?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	76. Are stacks of hay or round bales secured so they will not fall on someone?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	77. Are respirators available when handling dusty or moldy crops and feed?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	78. Are hearing protectors available for wearing around noisy equipment?
Y	N	N/A	CHEMICAL APPLICATION EQUIPMENT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	79. Are all sprayer fittings, hoses, lines and valves in good condition and free of leaks?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	80. Does each pressure gauge read accurately?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	81. Do the tank covers on sprayers fit tightly to prevent spillage?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	82. Is an emergency washwater supply available on equipment?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	83. Is chemical protective gear available?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	84. Are guards and shields on equipment in place and in good condition?
Y	N	N/A	ANHYDROUS AMMONIA EQUIPMENT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	85. Are all valves and fittings in good repair?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	86. Have worn hoses been replaced?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	87. Are rubber gloves and vent-free goggles for anhydrous use available for use with each applicator?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	88. Are five gallons of fresh water mounted on each nurse tank or applicator as required by law?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	89. Is a personal water bottle available on the tractor or for the operator to carry in a shirt pocket?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	90. Is each nurse tank or applicator used on public highways equipped with an unfaded SMV emblem?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	91. Are tires and running gear on nurse tanks in good condition and properly inflated?
Y	N	N/A	WAGONS AND OTHER HAULING EQUIPMENT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	92. Are all tires in good condition and inflated to the recommended tire pressure?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	93. Are all wheel lugs in place and tight?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	94. Are hitches in good condition?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	95. Are chains available and in good repair?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	96. Are safety hitch pins available and used?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	97. Are wagons hauling heavy loads equipped with brakes?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	98. Does each piece of hauling equipment display an unfaded SMV emblem?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	99. Are all lights and reflectors clean and in working order?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	100. On PTO operated equipment, are PTO components properly shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	101. Are belts, pulleys, chains and shafts on power unloading wagons adequately shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	102. Are hydraulic components in good repair and free of leaks?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	103. Are warning decals clean and undamaged?
Y	N	N/A	PORTABLE AUGERS AND ELEVATORS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	104. Are all belts and chains shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	105. Is the auger inlet shield in place?

**KSU COLLEGE OF AGRICULTURE
FARM HAZARD INSPECTION CHECKLIST**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	106. Is the winch in good working order and prevented from "free wheeling"?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	107. Is the winch cable free of corrosion, wear or damage which would reduce its strength?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	108. On PTO operated equipment, are PTO components shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	109. Are there any overhead power lines near those areas where portable augers/elevators are located or generally used?

Y	N	N/A	HARVESTING EQUIPMENT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	110. Are all guards and shields in place and in good condition?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	111. If PTO-operated, are the PTO components properly shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	112. Is the operator's manual available in the cab or in the machine for reference when servicing and making adjustments?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	113. Are the fuel, oil and hydraulic systems free of leaks?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	114. Are all belts and chains properly adjusted and shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	115. Is the safety latch, jack stand, and/or other safety locks in working order to prevent equipment from dropping?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	116. Are ladders and steps in good repair and kept free of mud and grease?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	117. Does self-propelled equipment have a 10-pound (minimum) ABC type fire extinguisher?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	118. Is each self-propelled or towed machine equipped with an unfaded SMV emblem?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	119. Do all flashers and lights work? Are lights and reflectors clean?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	120. Are controls clearly marked? Do gauges work properly?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	121. Are warning decals clean and undamaged?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	122. Are moving parts free of accumulations of crop materials?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	123. Are tires properly inflated and in good condition?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	124. Are cab windows and mirrors clean to maintain good visibility?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	125. Are safety hitch pins available and used?

Y	N	N/A	TILLAGE AND PLANTING EQUIPMENT
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	126. Are hydraulic components in good repair and free of leaks?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	127. Does hydraulically-raised equipment have usable transport locks to take the load off the hydraulic system during transport?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	128. Are all belts, chains and shafts adequately shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	129. On PTO-operated equipment, are the PTO components properly shielded?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	130. Are tires inflated to the recommended pressure?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	131. Are reflectors and SMV emblems clean, unfaded and undamaged?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	132. Are safety hitch pins available and used?

Y	N	N/A	TRACTORS
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	133. Do tractors have a rollover protective structure (ROPS) or a ROPS equipped cab?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	134. Do tractors with a ROPS also have seat belts?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	135. Is the PTO master shield in place and in good condition?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	136. Are the fuel, oil and hydraulic systems free of leaks and maintained at recommended levels?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	137. Are the operator's platforms free of grease, mud and tools?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	138. Do all lights and flashers work?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	139. Are reflectors and SMV emblems clean, unfaded and undamaged?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	140. Have defective mufflers and other exhaust components been replaced?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	141. Is each tractor equipped with a 10-pound (minimum) ABC type fire extinguisher?
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	142. Are cab windows and mirrors clean to maintain clear visibility?

