

## LESSON 8: Repairing Agricultural Equipment

### A. Characteristics of well-maintained equipment

1. Increased productivity
2. Fewer breakdowns
3. Less plugging
4. Reduced operator exposure to hazards
5. Reduced physical efforts
6. Reduced stress

### B. Risk/hazards associated with repairing agricultural equipment

1. Hand injuries
2. Eye injuries
3. Crushing
4. Asphyxiation
5. Trips and falls
6. Burns
7. Flying objects
8. Electrocution
9. Head injuries

### C. Identifying potential hazards

1. Sight
2. Touch
3. Hearing
4. Smell
5. Taste

### D. Personnel protective equipment

1. Eye
2. Hearing
3. Hands
4. Feet
5. Respiratory system
6. Head
7. Skin

### E. Characteristics of a safe maintenance area

1. Accessibility
2. Appropriate safety equipment
3. Housekeeping and storage
4. Non-slip flooring
5. Adequate lighting
6. Adequate and properly grounded electrical circuits
7. Adequate ventilation
8. Appropriate storage for hazardous materials
9. Tools guarded and appropriate for tasks
10. Eye wash station

### F. Safe lifting

1. Lifting correctly
2. Lifting aids
3. Blocking

### G. Basic hand and power tool safety

1. Selecting the right tool
2. Using tools as they were intended
3. Keep tools in good condition
4. Store tools when not in use
5. Safe use of power tools

### H. Preventing electric shock

1. Grounded circuits
2. Double insulated tools
3. Ground Fault Interrupters
4. Proper sizing of extension cords

### I. Before servicing equipment

1. Shutoff power
2. Remove key or lock out
3. Lower or lock in place raised equipment
4. Release stored energy-hydraulics and springs
5. Use voltage detector
6. Refer to operator's manual

