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| Revision #:  Written by: | Date: Month DD, YYYY  Approved by: |
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| Related Documents: | * Owner’s Manual for the bench or portable grinder * Part 8 of the OHS General Safety Regulations | |
| When to use this SWP: | Protecting workers from injuries associated with use of grinders. The following rules and procedures apply when using grinders. | |
| Hazards & Risks: | * Burns * Eye Injurie * Sparks * Broken Wheels * Loose chips * Fumes/dust * Thrown Objects | |
| Personal Protective Equipment: | CSA approved   * Safety Glasses * Face Shield * Gloves * Fire retardant clothing * Long Sleeves and pants * Mask or respirator | |
| Training Requirements: | * Safety orientation | |
| Communication Process: | * Read owner’s manual before use | |
| **Equipment & Supplies:** | * First Aid Kit * Fire Extinguisher * Cell/Smart Phone or two-way radio | |
| 1. Read manufacturers manual before operating and if there are any questions on how to operate, ask them before use. 2. Only trained, authorized personnel are to operate grinders and must follow manufactures recommendations. 3. When using bench grinder, stand to the side for 1 full minute before using. 4. Check the wheel for cracks and deformities before grinding. Replace wheel if necessary. 5. Never grind on the side of the wheel, it throws the wheel off balance. 6. Test any wheel prior to mounting, should give a ring, if a thud there is a possible defect. 7. Install the grinding wheel as per manufacturer specifications. 8. Guard should cover 180 - 270 degrees of the wheel; keep guard in place. 9. Grind in a motion away from your body. 10. Do not attempt to wear out wheel completely, extreme hazard if shatters. 11. Ensure the item to be worked on is properly and adequately clamped, to avoid throwing work off the chuck as it rotates. 12. Wear CSA/ANSI approved steel toes, face shield, safety glasses, hearing protection and gloves. 13. Clean inside of wheel (and water ports, as required) for proper use. 14. Look for sharp edges on ground stock. Use gloves for material movement. 15. Due to potential flying particles, Grind away from flammable material. 16. Maintain the grinder as per manufacturers specifications. 17. If you notice a grinder that is out of balance, lockout/ tagout and notify the farm owner to have it fixed. | | |
| EMERGENCY PROCEDURES: | | In case of emergency, contact 911 and the farm owner immediately. Remove yourself from harm’s way and ensure no one else is at risk. |