Manual And Powered Hand Tools – Landscaping Stats and Facts



FACTS

Primary hazards and types of injuries associated with manual and powered hand tools.

1. **Cuts and Lacerations**
    - **Powered Tools:** Electric or gas-powered tools like chainsaws can cause severe cuts and amputations if safety guards are not used or if the operator loses control.
1. **Eye Injuries**
    - **Flying Debris:** Both manual and powered tools can eject debris such as wood chips.
1. **Musculoskeletal Disorders (MSDs)**
    - **Vibration Exposure:** Powered tools like chainsaws and trimmers can cause Hand-Arm Vibration Syndrome (HAVS), which affects circulation and nerve function in the hands and arms.
1. **Burns and Electric Shocks**
    - **Hot Surfaces:** Tools with engines or motors can have hot surfaces that cause burns.
1. **Hearing Damage**
    - **Noise Exposure:** Powered tools produce high noise levels, leading to hearing damage over time.
1. **Puncture Wounds and Bruises**
    - **Manual Tools:** Spades, forks, and other digging tools can cause puncture wounds and bruises.

STATS

- In 2018, there were approximately 31,350 injuries reported due to non-powered hand tools, which is nearly three times the number of injuries caused by powered hand tools.
- The U.S. Bureau of Labor Statistics reported around 205,000 injuries involving

the wrist, hand, and fingers that required time away from work. This corresponds to a rate of 29.6 incidents per 10,000 full-time workers across all private industries

- In the USA, power tools are responsible for approximately 960,000 injuries annually. About 200 fatalities each year are caused by power tool accidents
- Injuries from manual tools such as hammers and screwdrivers have increased by 2.44% since 2018.
- In Canada, males aged 18 to 64 account for over 48% of hospitalizations due to injuries from power tools. Females aged 65 to 84 also see a high rate of injuries, primarily due to inexperience with these tools.