

ACWA/JPIA
ERGONOMIC IDEA OF THE MONTH
DECEMBER 2004

SOURCE: CENTRAL CALIFORNIA IRRIGATION DISTRICT

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IDEA: Fabricate and install a large rake a backhoe can use to remove weeds and debris from irrigation canals.

- **Reduces the impact of the following musculoskeletal injuries:**
 - Forceful Exertions (workers do not have to lift weeds and debris)
 - Awkward Posture (no bending, pulling, stooping, twisting required)
 - Repetitive Motions (no bending, pulling, stooping, twisting required)
 - Pressure Points (no tools to handle)
 - Slips-Trips-Falls (no falls on uneven, sloped, or wet ground; or into water)

- **Provides the following operational benefit:**
 - One person can do the job of several. Workers who would otherwise be needed to do this job would be available for other tasks.
 - The job gets done faster.
 - More canals can be cleared in a day.
 - Avoids musculoskeletal injuries, thereby ensuring personnel are available for other mission-essential duties.



