ERGONOMICS ON THE FARM





WHAT IS ERGONOMICS?

Ergonomics is the science of designing work to minimize the risk of injury. This includes arranging work areas to promote healthy body positions, using well designed tools, and sitting on supportive seats.

WHAT CAUSES INJURIES ON THE FARM?

Driving a tractor, hauling buckets, hoisting bales, pulling calves, and stooping may be daily occurrences. These actions can result in back pain, tendonitis, and other muscle and joint problems. **Back pain among farmers is the most common cause of job related disability.**

Poor ergonomics can lead to:

- Backaches
- Shoulder pain
- Hand, wrist, and/or elbow pain
- Muscle ache
- Injuries

Caused by prolonged exposure to physical workload such as:

- Stooped positions
- Carrying heavy loads
- Kneeling often
- Working with raised or outstretched arms
- Repetitive hand and/or wrist motions
- Vibrations from operating machinery

Resolve this by reducing the physical workload:

- Rest periodically when doing physical work
- Alternate between heavy and light work, if possible
- Redesign the job
- Modify tools

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ERGONOMIC-ASSOCIATED INJURY PREVENTION CHECKLIST

 LIFTING AND CARRYING LOADS Avoid lifting from floor or over shoulder height and keep objects close to your body. Hold handles on containers using both arms to balance weight. Avoid lifting objects weighing fifty pounds or more. Use mechanical equipment whenever possible. Use dollies, pallet trucks, or carts to transport heavy items. 			
HAND WORK Work at or below shoulder height. Work within 17 inches of body. Rotate job to reduce repetition. Standing on floor mats will increase	e comfort, but may no	t prevent an injury	/.
POWER HAND TOOLS Use tool handles that allow forefing Chose hand tools with handles cover Use hand tools that allow the wrist When selecting power tools consider characteristics or use anti-vibration	ered with smooth, non to stay straight. Ier purchasing those w	-slip material and	
SHOVELING AND STOOPED WORK Use long handles for stooped work Sit on a stool when doing stationar Do stooped work intermittently with Use leg and arm muscles instead of instead of fewer large ones.	y work. th other tasks and avoi	id twisting.	e small loads
VEHICLE USE Choose vehicle seats with lumbar s Sit using a slightly inclined posture Maintain three-point contact facing Shift driving position frequently.	with full back support	·	nd dismounting.

RESOURCES



UMASH:
Ergonomic Strategies for
Preventing Pain While Farming



Simple Solutions: Ergonomics for Farm Workers