National Institute for Occupational Safety and Health



Emerging issues in fatigue and fatigue management in Agriculture, Forestry and Fishing

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Presentation to the Board of Scientific Counselors



Photo source: Getty Images

Why are "best practices" often incompatible with AgFF work?





Agriculture, forestry, and fishing workers in the US

Seafood processing





What is the current state of fatigue research in AgFF?











Photo sources: NIOSH, NOAA, Getty Images

Unique AgFF factors for work hours, sleep, and fatigue

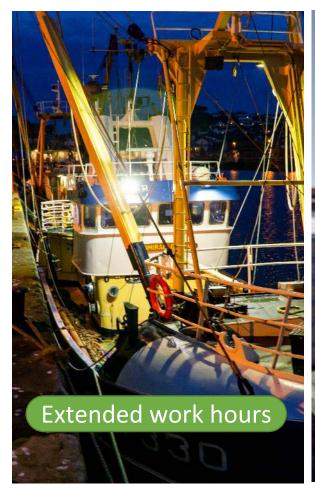






Photo sources: Getty Images, NIOSH

Unique AgFF factors for work hours, sleep, and fatigue

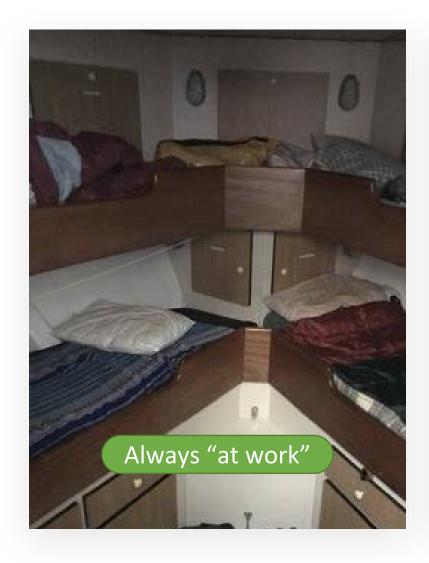






Photo sources: familyfarmers.org, State of Washington

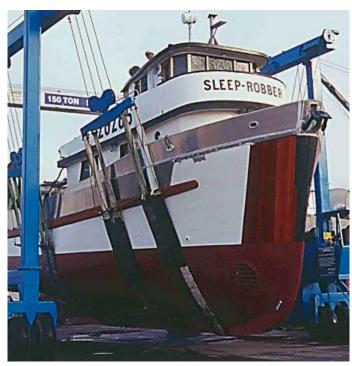
Long hours and sleep loss are engrained in the culture











AgFF workers want to be safe...







Photo sources: NIOSH, Getty Images

But there's often only one thing that can budge...

How can we flip the script on fatigue?

We must change the way we talk and educate on fatigue.

 Change the cultural norm that fatigue is inevitable, a weakness, or even a personal/moral failing.

Find new words and measurements for fatigue.

Teach the benefits of sleep, not just the risks of going without it.





NIOSH AgFF Program and Partners: Flipping the Script

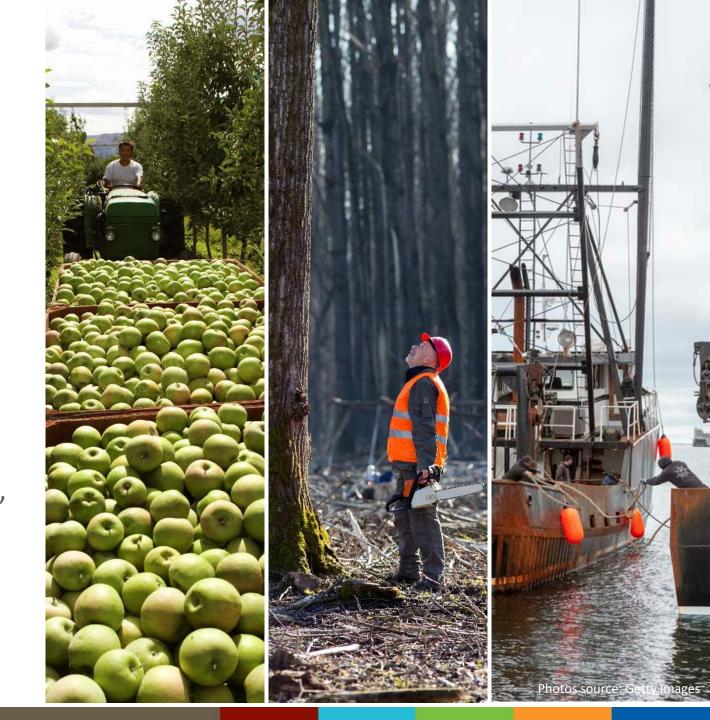
- NIOSH Strategic Plan:
 - Healthy Work Design goal for AgFF
- NIOSH Agriculture Centers
 - FY2022 Renewal
- NIOSH and US Coast Guard Fishing Safety Grants:
 - Assessments of Sleep Deprivation and Associated
 Health and Cognitive Impacts in Commercial Fishermen



Photo source: Getty Images

The ideal in AgFF fatigue intervention development

- Community-based development, consultation, evaluation
- Culturally competent and sympathetic
- Focuses on fatigue management, not sleep
- Works from a place of harm reduction, not best practices
- Easily implemented by individuals and small business



Summary

- AgFF workers face financial and regulatory pressures, several health disparities, an aging workforce, increased stress, and at the same time, work in unpredictable, harsh environments.
- Best practices (ideal sleep habits) are often unattainable: not culturally, not economically, not even realistically.
- AgFF workers want to be safe and realize the dangers of fatigue, but they do not yet have the tools and training to respond appropriately.
- Fatigue management solutions must help AgFF prepare for both acute fatigue incidents and persistent chronic fatigue in order to mitigate risk (harm reduction) while addressing the sector's unique challenges and diverse workspaces.

Questions

How to do we encourage behavioral change and improve our outreach in a culture that believes long work hours and fatigue as inevitable, or even a badge of honor, and where long work hours cannot be avoided due to the nature of the work?

Given our limited resources, how can we support our NIOSH Agricultural Centers to do more do more in this area?



Thank you!

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