

WORKHORSE

FIELD NOTES: HEAT STRESS

by **ergodyne**®



KEY INSIGHTS

#1 Weather Related Killer in United States

- 491 Workplace Deaths (2011-2023) = 1/wk!

OSHA Heat Stress Standards // Federal Initiatives

- State Plans (CA, WA, MN)
- NEP Program - emphasis on Construction, Manufacturing, Farming, Transportation, Warehousing
- ANSI/ASSP A10.50-2024 (voluntary)
- Water. Rest. Shade. Campaign
- Proposed Heat Stress Standard

POTENTIAL PAIN POINTS + KEY SOLUTIONS

PAIN POINTS

1. Activation Requirements
2. Uncomfortable and Heavy
3. Limited Cooling Relief
4. Lack of Airflow
5. Interface with other required PPE
 - FR
 - Hi-Vis
 - Head Protection



SOLUTIONS

Evaporative (water + airflow)

1. Acrylic Polymers (soak + plump)
 - Headwear accessories
 - Vests
2. Embedded Polymers (soak)
 - Headwear accessories
 - Vests
3. PVA (wet + twirl)
 - Headwear accessories
 - Towels
 - Vests
4. Microfiber (wet + twirl)
 - Headwear accessories
 - Towels
 - Sleeves
 - Apparel
5. Dry Evaporative (fill + massage)
 - Vests

Phase Change (limited to no airflow)

- Headwear accessories
- Vests

Hydration

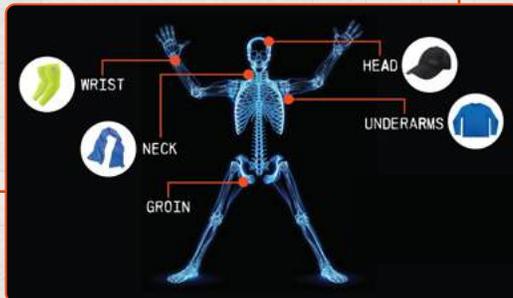
- Water Bottles
- Hydration Packs
- Coolers

Shade

- Umbrellas
- Tents (10x10, 10x20)

SPF 50+

- Sprays
- Lotions



PAIR PULSE POINTS WITH YOUR COOLING PPE

ALWAYS WEFT!

GRAINGER

FOR THE ONES WHO GET IT DONE

Real work happens in the field—where every decision impacts safety, productivity, and costs. Our WORKHORSE program is designed to partner with crews, assess job site challenges, and provide practical solutions to ensure both a smart and safe operation.

CONTRIBUTING FACTORS

ENVIRONMENTAL

1. Indoor vs. outdoor
2. Access to shade
3. Airflow
4. Hot equipment
5. Other PPE requirements



PERSONAL

1. Age//Weight//Fitness
2. Illness + Other Medical Conditions
3. Diet + Alcohol
4. Acclimatization Period



SERVICES // HOW WE WIN

1. Hazard//Risk Analysis
2. COO Calculators
3. Training for Team Members - usage, awareness, etc.



CONTACT US

EMAIL: WORKHORSE@ERGODYNE.COM



SCAN OR CLICK TO FIND YOUR TERRITORY CONTACT

CLICK BELOW FOR ADDITIONAL RESOURCES

- » CHILL IT'S TECHNOLOGY PAGE
- » HEAT STRESS RISK AND HAZARD LANDING PAGE
- » HEAT STRESS HANDBOOK
- » HEAT STRESS SOLUTIONS CARD
- » 2025 TRAINING DECK
- » 2025 LAUNCH BUNDLE