





ENHANCING AIRFIELD SAFETY AT MCAS - YUMA WITH FODS TRACKOUT CONTROL MATS



	Aviation MCAS Yuma
TCM	LAYOUT
YUMA, AZ	1x4 2x2 1x5T
	

In May 2024, MCAS Yuma introduced a new solution: **FODS Trackout Control Mats**. The results not only exceeded expectations but also redefined FOD management at one of the U.S. Marine Corps' most critical installations.



Leading Building Material Supplier Chooses FODS As Soil Tracking Prevention Device

Located in the Arizona desert, roughly two and a half hours from San Diego, California and three hours from Phoenix, Arizona the remote air station faces unique environmental challenges. Harsh desert winds blow gravel, dust, and vegetation onto the tarmac, adding to the risks posed by man-made debris. Maintaining a pristine airfield in such conditions is a constant battle, requiring innovative solutions.

Designed to tackle debris at its source, FOD Prevention Mats offered by FODS, LLC offer the first proactive, highly effective replacement for traditional manual FOD Checks. The mats feature raised pyramidal nodules that remove debris from vehicle tires as they pass over, trapping contaminants in place for easy disposal. Positioned at critical access points, these mats prevent debris from being tracked onto sensitive airfield areas.

The Trial: Testing FODS Mats at MCAS Yuma
In May 2024, MCAS Yuma conducted a three-day trial to evaluate the effectiveness of FODS Trackout Control Mats. The mats were installed at key vehicle entry points, while the existing manual inspection process continued in parallel. Crews collected and analyzed debris captured by both methods, comparing their effectiveness.





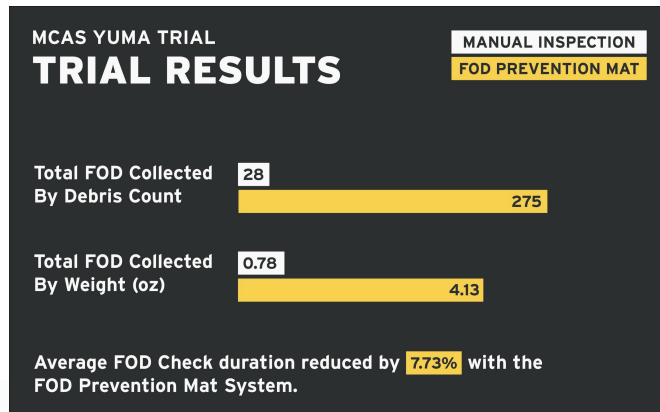
Managing FODS on the Airfield

The results were compelling:

982% Increase in FOD Captured: The FODS mats captured nearly 10 times more debris than manual inspections alone.

529% Increase in Debris Weight: The weight of the debris collected by the mats was more than five times greater.

7.73% Reduction in FOD Check Time: Vehicles moved through checkpoints faster, reducing inspection times and improving efficiency.



Yuma, AZ



Yuma, AZ



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Redefining FOD Management

The introduction of FODS Trackout Control Mats delivered immediate and measurable benefits for MCAS Yuma:

Enhanced Safety: By capturing debris at access points, the mats significantly reduced the risk of FOD-related incidents, protecting aircraft, pilots, and ground crews.

Improved Efficiency: An 8% reduction in FOD check time made operations run smoother, freeing up personnel for other critical tasks.

Cost Savings: The mats helped prevent costly aircraft repairs and operational delays by reducing FOD risks.

Environmental Control: FODS mats also minimized the spread of dust and debris beyond the airfield, contributing to a cleaner, more sustainable environment.

Implications for Airfields Worldwide

The success of the FODS Trackout Control Mats at MCAS Yuma has broader implications for military and civilian airfields facing similar challenges. Airports around the world battle FOD daily, and the proven effectiveness of FODS mats offers a practical, scalable solution.

Already in use at military installations globally, from South Korea, Saudi Arabia, and Pakistan, FOD Prevention Mats continue to set the standard for proactive FOD management, ensuring safer and more efficient airfield operations.