

# Russia's Oreshnik "hypersonic" missile

Russia appears set to target "decision-making centres" in Kyiv with its Oreshnik hypersonic missile, which it claims is unstoppable

## ORESHNIK ("HAZEL TREE") IRBM

Intermediate-Range Ballistic Missile

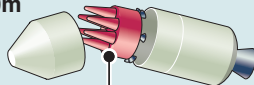
Warheads: **Six, each with six submunitions**

Velocity: **3.7km/s (Mach 11)**

Range: **3,000-5,500km**

Accuracy: **50-200m**

**IRBMs all have speeds up to 7km/s**



**MIRV: Multiple Independently-targetable Vehicle**

Gas thrusters: In-flight manoeuvrability to evade interception  
**Interceptors such as U.S. SM-3 Block 2A or Israeli Arrow 3 are designed to counter IRBMs**

**Six warheads – each carrying six submunitions – with multiple targets, dropped independently**

*Designed to carry nuclear payload.*

**Intermediate Range Nuclear Forces Treaty**

*– abandoned by Russia and U.S. in 2019 – prohibited ground-launched missiles with ranges of 500-5,500km*



**Second stage**

**First stage**



**Mobile launcher:** Could be launched out of range of Ukrainian missiles and drones

