**GLOBAL NUCLEAR ARSENAL 2009**

Approximately 23,335 weapons with ~ 6400 MT (megatons) yield

- **Total Operational strategic nuclear weapons** ~ 5850
  - Total Yield ~ 2225 MT
- **Total operational non-strategic nuclear weapons** ~ 2550
  - Total Yield ~ 200 MT
- **Total U.S. and Russian strategic nuclear weapons** on high-alert launch-on-warning status
  - ~ 2063 warheads
  - Total Yield ~ 960 MT
- **Total U.S. and Russian inactive reserve (intact non-operational) nuclear weapons**
  - ~ 15,145 warheads
  - Total yield ~ 4000 MT

The total explosive power of every bomb detonated during World War II = 3 MT (3 megatons) = the total explosive power of 10 average size strategic nuclear weapons

- **The total explosive power of the Global Nuclear Arsenal is** ~ 6400 megatons = 6.4 billion tons of TNT = 12.8 trillion pounds of TNT
- **One Strategic Nuclear Weapon detonated above a city** will within tens of minutes ignite a mass fire over an area of 20 to 100 miles² (50 to 500 km²) from which no living thing can escape

**COMPARATIVE WEAPON YIELDS**

- Largest bomb used in WWII: 6 tons of TNT
- Largest 2009 non-nuclear bomb: 15 tons of TNT
- Smallest Strategic Nuclear Weapon: 100,000 tons of TNT
- Largest Strategic Nuclear Weapon: 1,200,000 tons of TNT
- Largest Nuclear Bomb ever tested: 50,000,000 tons of TNT

1 ton = 2000 lbs
1 Megaton (1 MT) = 1,000,000 tons

**OPERATIONAL WEAPONS**

- **China Arsenal** - 180 Weapons
- **UK Arsenal** - 160 Weapons
- **France Arsenal** - 300 Weapons
- **India Arsenal** - 60 Weapons
- **Pakistan Arsenal** - 60 Weapons
- **Israel Arsenal** - 80 Weapons

**NON-OPERATIONAL WEAPONS**

- **U.S. and Russian strategic nuclear weapons**
  - ~ 2063 warheads
  - Total Yield ~ 960 MT
- **Total U.S. and Russian inactive reserve (intact non-operational) nuclear weapons**
  - ~ 15,145 warheads
  - Total yield ~ 4000 MT

**HIGH-ALERT LAUNCH-ON-WARNING WEAPONS**

- **China Arsenal** - 180 Weapons
- **UK Arsenal** - 160 Weapons
- **France Arsenal** - 300 Weapons
- **India Arsenal** - 60 Weapons
- **Pakistan Arsenal** - 60 Weapons
- **Israel Arsenal** - 80 Weapons

1 weapon = 1 non-operational weapon
1 US Trident sub carries about 120 independently targetable strategic nuclear warheads