

Uses of Potash in Modern Life

Other Uses of Potash

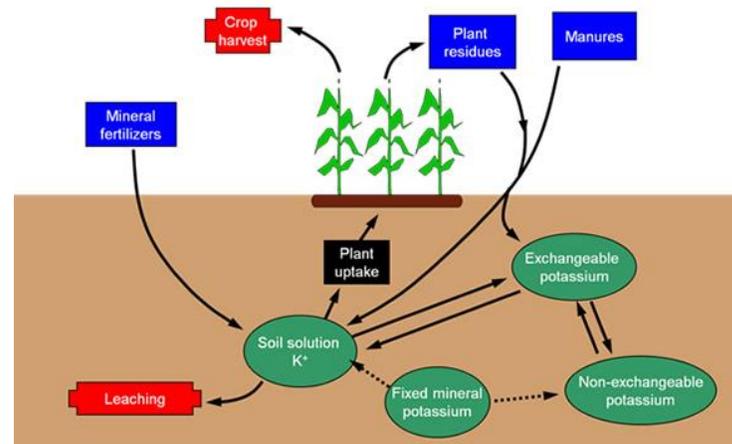
- **Soap and detergents** – Caustic potash makes soaps that are softer and more water soluble than sodium soaps, giving them more cleaning power.
- **Water Softener** – Potassium chloride derived from potash provides a healthy and environmentally-conscious alternative to sodium chloride water softeners.
- **Deicer** – Potassium chloride can melt ice on sidewalks and roads, increasing safety for drivers and pedestrians.
- **Glass Manufacturing** – Potassium carbonate adds clarity to glass, aiding in the manufacture of eyeglasses and computer screens.

Granular potash



How Potash Fertilizer Helps Crops

The Potassium Cycle



Potash is a potassium-based resource. 95% of mined potash is used as a fertilizer for crops ranging from grains to vegetables to cotton. It's main functions include:

- Disease resistance
- Water uptake
- Yield rates
- Improved nutritive value
- Less prone to injury during transportation
- Drought and frost tolerance

Why Potash Matters



- Along with Nitrogen and Phosphorus, Potash is one of the 3 most important nutrients in modern agriculture.
- The human population is estimated to reach 9.7 billion by 2050 (United Nations).
- Global farm output must rise 70 percent by 2050 on less arable land to meet global population demands (UN Food and Agriculture Organization).
- Without potash fertilizer, agriculture could not meet current demands, much less that of a growing population.