



## WATER A PRECIOUS RESOURCE AND ITS CONSERVATION

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**ABSTRACT** Water is life as we all say but hardly do we worship it or pay any attention towards its conservation. It is imperative that we in the name of development are polluting our precious limited water resources gifted to us free by nature, which we hardly value. It is high time that we pay attention to rampant mismanagement of water resource and society's attitude towards it. This paper highlights various methods, approaches, ideas, attitudes towards water conservation and management. This is an attempt towards bringing awareness and creating awareness, drawing attention towards this invaluable resource.

**KEYWORDS :****Introduction**

Of all the water existing on earth 4% is only fresh water. 70% fresh water is used in agriculture. Of the world's total population 60% lives in Asia water share present in Asia is 36%, in Europe 13% population stays, water present is 8%, in Australia 1% of global population stays, water present is 5%, in Africa 13% population stays, water present is 11%, in North and Central America 8% population stays, water present is 15%, in South America 6% population stays, water present is 265. By 2025 it is estimated that 3 billion people will be living below the water stress threshold. Densely populated areas of the world like Asia and Africa are expected to face the maximum water stress.

**Discussion**

23% of global freshwater supplies used to grow livestock feed. Global water usage is 70% agriculture, 11% municipal, 19% industrial.

What we eat determines our water load:

1 hamburger production consumes 660 gallons water. 1 kg meat requires 20,000 litres to produce compared to 1200 litres to produce 1 kilo grain. Water required to produce 1 pound of beef is equivalent to water consumed by shower for six months. 70 litres water required for 100gm apple as compared to 4500 litres water for 100gm beef. A vegetarian person saves 1100 gallons of water daily. Water required to produce the following: 1 pound of soy 216 gallons, wheat 138 to 240, corn 98 to 108,

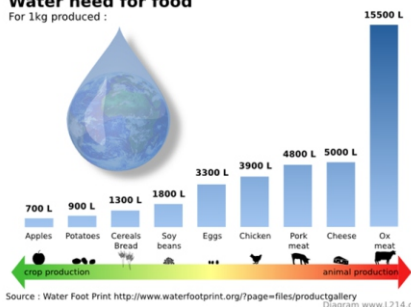
Eating vegan meal 1 day a week saves 84000 gallons water. one litre bottled water requires 5 litres water, one kg wheat requires 1300 litres water, one kg soya beans require 1800 litres of water, one whole orange requires 50 litres, one dozen eggs require 2400 litres water, one glass milk 200 litres. Vegan burger requires 42 gallons of water as compared to Quarter pound beef burger which requires 621 gallons of water.

For tea cup 10 gallons water required, for coffee cup 38 gallons water required,

For Mobile phone water used 240 gallons, for a tomato production 9.3 gallons water required, for an egg 52 gallons water required, for a ham burger 634 gallons water required.

287 litres water required for a kg potatoes, 560 litres water required for a kg oranges, 790 litres water required for 1 kg bananas, 1222 litres water required for a kg corn,

**Water need for food**  
For 1kg produced :



Source : Water Foot Print <http://www.waterfootprint.org/?page=files/productgallery>  
Diagram [www.L214.com](http://www.L214.com)

One glass soy milk requires 9 gallons water, One glass almond milk requires 239 gallons water, One glass cow milk requires 30 gallons water.(refer figure above)

So it is quite obvious from the above discussion the water usage or consumption depends on the things we eat /consume. A change in food habits will drastically help in conserving precious water with is getting scare day by day.

**Conclusion and Recommendations**

It is essential that society should treat water as very precious resource and take its care with utmost care. Some recommendation are made regarding water usage below:

Drip irrigation reduces water usage by 40-60% in agriculture, recycling of cooling water and waste water in industrial uses.

In Residential use of water following steps be incorporated- --shorter shower, low flow toilets/showers, turn water off when brushing teeth, wash full loads, Should reduce shower time from 27 minutes to 4 minutes.

Install aerators on bathroom faucets.

**References**

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