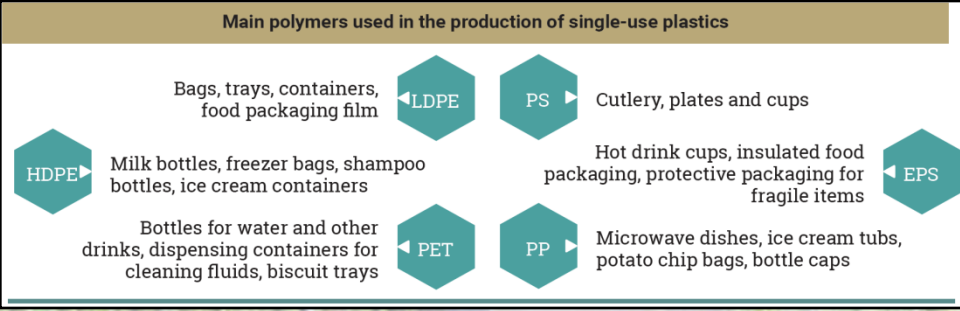




Iconic Week Celebration (4th to 10th October, 2021)
Theme: Say No to Single Use Plastic
 Celebrated by
Environmental Information System – Resource Partner
CSIR – National Botanical Research Institute, Lucknow



- ❖ Educate consumers to make Environmental-friendly options.
- ❖ Ban on Single use plastics below 50 microns thickness.

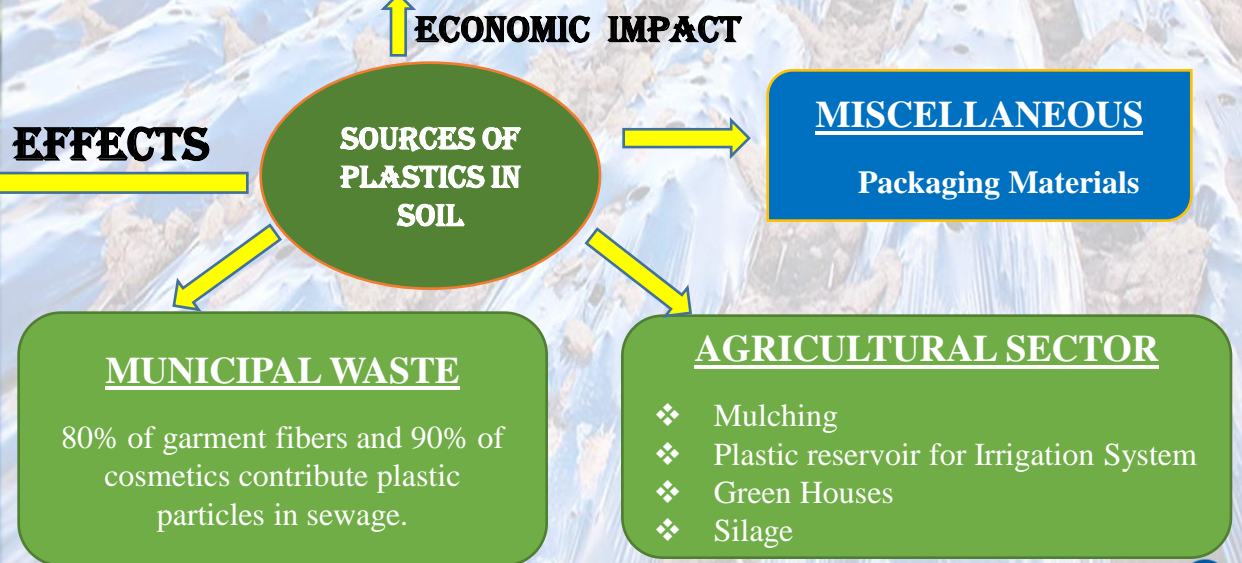
PREVENTIVE MEASURES

Plastic bags and Styrofoam containers can take up to 1,000 years to decompose.

SINGLE USE PLASTIC EFFECTS ON SOIL



- ❖ It is more expensive to clean up tomorrow than to prevent plastic pollution today.
- ❖ Asia-Pacific Economic Cooperation (APEC) estimated a \$1.3 billion economic loss of marine plastics to the tourism, fishing and shipping industries alone. However, loss to agricultural sector has not evaluated yet.
- ❖ High cost of transport to centralized plant of lightweight foamed plastics due to difficulty in recycling at local plants.



- ❖ Micro beads/Micro-plastics are solid plastic particles that typically range from 10 micrometers up to one millimeter generated from single use plastics/plastics interaction with soil microbiota affects ecosystem.
- ❖ The surfaces of tiny fragments of plastic may carry disease-causing organisms and act as a vector for diseases in the environment.
- ❖ Chlorinated plastic can release harmful chemicals into the surrounding soil, which can then seep into groundwater or other surrounding water sources, and also the ecosystem.
- ❖ Cause various disease in humans and animals.
- ❖ Contaminates the food chain.