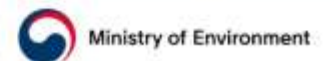


IWRA's XVII WORLD WATER CONGRESS

제 17차 IWRA 세계물총회

29 November – 3 December 2021
EXCO, Daegu, Republic of Korea





World Water Envoys

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Pollution of Water in Palestine



- ❖ **The Water Resources in Palestine are very limited and depend mainly on Groundwater**
- ❖ **Palestine is one of the countries in which agricultural production relies greatly on the production of fertilizers and pesticides.**
- ❖ **Pollutants also include solid waste, sewage water, pharmaceutical and industrial residues.**

Middle East and Palestine



Pollution of Water in Palestine



Examples of Pollutants that enter water in Palestine

- ❖ Inorganic pollutants such as toxic heavy metals
- ❖ Organic pollutants such as pesticides and fertilizers
- ❖ Bacterias and Viruses



Pesticides



- ❖ Pesticides are considered a serious threat to human health including but not limited, affecting cholinesterase activity, central nervous system disorder, severe intestinal contractions, etc.
- ❖ Environmental contamination with persistent pesticides is a serious problem owing to their resistance to environmental degradation through various chemical, photolytic or biological methods.
- ❖ Exposure of pesticides even in low concentrations can cause several adverse effects on humans and wildlife since most of these toxic organic compounds have very low threshold limit values (ppb levels).



- ❖ **The large use of pesticides is of global concern due to their persistence in the environment, ability to bio-magnify and bio-accumulate in ecosystems, as well as their significant adverse effects on both human health and environment.**
- ❖ **Pesticides can be found virtually everywhere in our planet in measurable concentrations.**
- ❖ **Many methods have been proposed to remove pesticides from Water. These are; UV Photolysis, Membrane Technology, Hydrogen Peroxide Oxidation, Adsorption and many other techniques.**

Pollution of Water in Palestine



Pollution of Water in Palestine



Let's all Make our Water Clean and Safe :)



Thank You !

