

# Chemical Fertilizers is Harmful not Only to the Environment, but also to Surrounding Water Sources

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## INTRODUCTION

Marine pollution could be a growing downside in today's world. Our ocean is being flooded with 2 main styles of pollution: chemicals and trash. Happens once harmful effects result from the entry into the ocean of chemicals, particles, industrial, agricultural and residential waste, noise, or the unfold of invasive organisms. 80 % of marine pollution comes from land. Pollution is additionally a causative issue by carrying off iron, acid, nitrogen, silicon, sulfur, pesticides or dirt particles into the ocean. Land and pollution have well-tried to be harmful to marine life and its habitats.

The pollution usually comes from nonpoint sources like agricultural runoff, wind-blown rubbish, and dust. Pollution in giant bodies of water may be aggravated by physical phenomena just like the biological effects of chemist circulation. Nutrient pollution, a sort of pollution, refers to contamination by excessive inputs of nutrients. It's a primary reason behind eutrophication of surface waters, during which excess nutrients, typically nitrates or phosphates, stimulate protectant growth. several doubtless harmful chemicals adhere to small particles that square measure then haunted by organism and benthonic animals, most of that square measure either deposit feeders or filter feeders. During this approach, the toxins square measure targeted upward at intervals ocean food chains. Several particles mix with chemicals in a very manner extremely depletive of atomic number 8, inflicting estuaries to become hypoxia.

One common path of entry by contaminants to the sea is rivers. The evaporation of water from oceans exceeds precipitation. The balance is restored by rain over the continents entering rivers and then being returned to the sea.

## Solutions for Marine Pollution

Ocean pollution is a major issue that must be addressed as soon as possible. Marine habitats are being greatly disrupted as the world's oceans become increasingly contaminated.

Not only that, but the world's water resources are depleting at an alarming rate. In these circumstances, it is important that we find solutions to ocean pollution. The following are a few examples:

**1. Reducing the use of plastic products:** Plastic waste, believe it or not, takes up the majority of ocean contaminants. Approximately 10% of the 260 million tonnes of plastic manufactured each year in the world ends up in the oceans.

These plastics then take thousands of years to decompose, posing a serious threat to marine life during that period. As a result, that the use of plastic products may help to dramatically reduce ocean pollution rates.

**2. Use reusable bottles and cutlery:** Bottles and cutlery, when used and discarded, contribute significantly to ocean waste. It's important to remember that the majority of non-reusable bottles and cutlery are made of plastic or Styrofoam. Both of these materials take years or decades or thousands of years to decompose.

**3. Recycle whatever you can:** The 3 R's are unquestionably the ocean's saviour. It is true that as the population grows, the amount of waste generated will grow dramatically. When locating dumping grounds becomes more difficult, many wastes end up on the ocean floor. These wastes that are dumped in the ocean last a long time and damage marine life.

Recycling is one of the most effective ways to minimize waste generation. We might check to see if anything is recyclable before throwing it away. The recyclable items can then be brought to a local recycling center.

**4. Stop littering the beach, and start cleaning it:** The beach is without a doubt one of the most beautiful places to visit and relax. As a result, there is a great deal of litter in the region. This is the first and most important issue that needs to be resolved. On the beaches, there should be plenty of trash cans.

**5. Reducing the use of chemical fertilizers:** Similarly, runoff pollutes the oceans significantly. Chemical fertilizer use must also be managed and monitored to avoid this. Excessive use of chemical fertilizers is harmful not only to the environment, but also to surrounding water sources and, eventually, the ocean. These runoffs are extremely toxic and can easily destroy marine organisms.

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Received: April 06, 2021; Accepted: April 20, 2021; Published: April 27, 2021

Citation: Riegel M (2021) Chemical Fertilizers is Harmful Not Only to the Environment, But Also to Surrounding Water Sources: Marine Pollution. J Pollut Eff Cont 9:285. doi: 10.35248/2375-4397.21.9.285.

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