

The Impact of Chemical Substance Exhibition on Environment and Health [†]

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Abstract: The use of chemicals is beneficial to our society but can also be harmful to the environment and human health. Chemical hazards and toxic substances pose many health hazards (such as irritation, sensitization) and physical hazards. Non-degradable chemical fertilizers reduce air and water quality and can negatively impact the ecosystem. Chemical substances change soil properties such as pH, water holding capacity, soil texture, and microorganism life-cycle. Long term effect of chemical substance (e.g., Lead, mercury, chloroethane, benzene) on human is cancer, organ damage, weakening of the immune system, development of allergies or asthma, reproductive problems and birth defects, effects on the mental, intellectual or physical development of children, decrease fatality rate, and low immune system. We can reduce the harmful effect of chemical fertilizer on our ecosystem and human by sustainable use of chemical hazardous and use moreover more use bio-fertilizer, organic compost, vermin-compost, and mycorrhiza. Vermicompost increase soil fertility, aeration of the soil, and mycorrhiza increase nitrogen and phosphorus ion in soils. They also increase the nutritional absorption capacity of plants and roots growth.

Keywords: non-degradable chemical hazardous; vermicompost' organic-compost; mycorrhiza.

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Conflicts of Interest

The authors declare no conflict of interest.