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Submission date: 06-Jul-2020 06:27AM (UTC-0700)

Submission ID: 1354116684

File name: greywater_reuse_2pgs.edited.docx (11.37K)

Word count: 781

Character count: 4199

Week 3¹ Assignment Template

Sustainable Living Guide Contributions, Part Two of Four:

Sustaining our Agricultural Resources

Greywater reuse

Greywater refers to water used in households like cleaning dishes, washing clothes and bathing. Notably, the toilet water is excluded while learning about greywater. The water could have grease, food remains, and hair but right for reuse. One of the aims of reusing greywater is to lower the amount needed for a household. For example, the water used in washing clothes would be used to water the flowers around the house. The other aim to ensure the water directed to the septic systems is reduced, thus preventing them from filling fast. Reusing greywater is, therefore, vital in lowering water bills needed in homes.

Considering the term greywater is necessary due to the following reasons. Greywater was listed among the ten earth's friendly practices as the amount used in cleaning machines is suitable for irrigation. Recently, the demand for clean water has increased as global populations increase, but underground water is reducing. Therefore, governments and environmentalists insist on the need for people to use water well and reuse where possible. Greywater is one method to save water based on the research that individuals with these systems save about 40,000 gallons every year (Lee & Lambert, 2018). The practice not only saves water bills but also take care of the environment. Greywater benefits are mostly noted during warm seasons when outdoor watering is required. It makes users keep their plants healthy, yet the water bill remains the same. Thus, it is essential to discuss the term since it cuts water bills and takes care of the surrounding.

Greywater has positive effects on living things such as human beings as water use is reduced, thus saving cash. As noted above, the practice helps users save over 40 000 gallons

every year, meaning the costs reduce, yet the water needs at home are met. It also reduces the level of moving to the septic systems, making them last longer and reduce the amount needed to maintain the same (Boano et al., 2020). People, hence, become eco-friendly and take care of future generations.

The physical environment also benefits from greywater as irrigation is ensured. Households' water contains materials like dirt that would pollute the surrounding, but where greywater practice is ensured, the water goes through stages where filtration is done. The water is then directed to farms for irrigation and to flower beds, among others. The plants get water throughout, which helps their processes. Therefore, greywater benefits people financially and the environment by ensuring constant water flowing.

The following actions should be taken to ensure environmental sustainability concerning greywater. Communities should be educated about the practice, especially on the benefits and precautions for use. Specifically, people should be informed that reusing household water saves water and makes them ecofriendly. Moreover, people should be educated on the guidelines to ensure, so the benefits are achieved. For example, they should not keep the water beyond 24 hours as a bad smell would occur and should limit direct contact with the water. Additionally, users would be informed of infiltrating the water on earth other than letting it run off and ensuring the systems used are simple to lower maintenance costs. The other action needed is offering people with materials such as cans and pipes, among others. The government should consider the action where community-based programs would be established to help users access the materials needed for greywater systems. With the actions, people would have the needed information and resources, increasing chances for environmental conservation.

In a nutshell, educating and providing greywater resources would reduce water wastage, which preserves the surrounding. It is said that households consume the highest

level of water, and if the usage is minimized, the sources of water become safer. As noted above, the practice ensures the reuse of home water to farms, which would have utilized the clean water. The practice also takes care of the surroundings as the dirt in the water is disposed of the right way, thus preventing pollution. It is the case as greywater reuse systems demand separation of the materials, thus ensuring better handling.

References

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