



Shree Swaminarayan Academy

Teach Through Expounding of Themes

GLOBE INTERNATIONAL VIRTUAL SCIENCE SYMPOSIUM 2024 'Farming Using Gunia'

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Introduction

Gunia gardening offers a sustainable solution to food insecurity in urban areas and slums by repurposing plastic sacks for farming, thereby reducing waste and promoting environmental sustainability.

Requirements

- 50Kg gunia
- Dry manure
- Soil
- Small stones
- A tin open on both sides

Procedure

Step 1: Mix manure and soil in a ratio of 1:1.

Step 2: Fill the gunia with soil and fill the tin with rocks. This creates an irrigation channel.

Step 3: Surround the tin with more soil.

Step 4: Fill the tin with more rocks, and surround it again.

Step 5: poke holes into the side of the sack. These holes allow the transportation of the seedlings.

Step 6: transplant seedlings into the side of the sack.

Results

Our findings are that, gunia farming can help the environment in several ways. By implementing gunia farming we are able to utilize limited spaces and reduce the need for intensive agricultural practices.

