Introduction
The Food and Agriculture Organization, it has been estimated about 820 million people suffer from hunger, undernourishment, and malnutrition, which is estimated to increase by 4.5% in the world. It has been estimated that 45% of the food wastes are fruits, vegetable roots, and tubers.

The current methods of reusing food waste:
• Animal Feed
• Biofuels
• Ethanol Production
• Fertilizer
• anaerobic digestion

Results

Waste Produced

Figure 1. Overall market of products made from apple, grapes and berries as the source of food waste. A. Overall market value (US$ Mn) in Europe and North America for products from food waste (2014-2029). B. Predicted year over year growth (in %) in Europe and North America (2019-2029) for products from food waste. 2019 is taken as the base year. C. Overall market (volume in MT) in Europe and North America for products from food waste (2014-2029). D. Predicted year over year growth (in %) in Europe and North America (2019-2029) for products from food waste. 2019 is taken as the base year.

Apples

Figure 2. Overall market value (US$ Mn) in Europe and North America (2014-2029) for products from apple food waste as the source. B. Predicted year over year growth (in %) in Europe and North America (2019-2029) for products from apple food waste as the source. 2019 is taken as the base year.

Grapes

Figure 3A. Overall market value (US$ Mn) in Europe and North America (2014-2029) for products from grape food waste as the source. B. Predicted year over year growth (in %) in Europe and North America (2019-2029) for products from grape food waste as the source. 2019 is taken as the base year.

References and Acknowledgements


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