

# Generally seedless fruits? parthenocarpic fruits has more advantages

[Technology](#), [Development](#)



Generally Fruit gives rise to starts from union of egg cells in the ovule of the flower are fertilized by pollen sperm nuclei. But, in some plants, however, fruit develops without fertilization, a phenomenon known as parthenocarpy (VIRGIN FRUIT). Why the need for seedless fruits? Parthenocarpic fruits have more advantages over seeded fruits.

they are 1. Longer shelf life and 2. Greater consumer appeal. 3.

parthenocarpy can be promoted for increasing winter and early production in horticulture plants., 5, 6; this says that possibility for the consumers to make available fresh horticultural products in all seasons. Reasons The most frequent reasons for seedless fruits development are 1.

Mutation 2. Pollination failure, or non functional eggs or sperm. 3.

Stenospermocarpy may also produce seedless fruit, but these seeds are actually aborted after fertilization. 4. Parthenocarpy (literally meaning "virgin fruit") The natural or artificially production of fruit without fertilization of ovules, which makes seedless fruits. 5.

Some Plant Hormones (Auxins, Gibberellins, Cytokinins) 6. Ethylene. 7. Genetic engineering. It says that it is possible to prevent fertilization it results to obtain seedlessness by modification of genome in horticulture plants. Some important seedless fruit crops 1.

Watermelon (triploid) 2. Grapes 3. Oranges 4. Eggplant (Brinjal) In the case of eggplant, the devoid of seeds prevents browning and texture reduction of the pulp. 5.

Citrus. 6. Banana. 7. Tomatoes.

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Howto spread practice of seedless production. A widespread agriculture practice for the productionof seedless parthenocarpic fruit , by treating flowers with phytohormones beforepollination. Few harmones like Auxin, gibberellin and cytokinins or mixtures ofthese hormones have already proven to be effective in promote fruit developmentin the absence of fertilization in several crop species<sup>1</sup>.