

# Exotic and Uncommon Vegetable Production in Poly Tunnels

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## Abstract

Addressing the global food security is the growing concern under this changing climatic scenario. The degrading potential of native vegetables under climate change marked the need for growing vegetables under controlled environmental conditions. The primary reason for variability in yield is its responsiveness towards its growing climate. Artificial control over this factor ensures stability within the yield of those high valued crops. Further, controlling the climate and modifying the climate as per the requirement of the crop requires involves high managerial skills and Investment hence in this context, the raising of high valued exotic vegetables which were usually not cultivated if taken in poly tunnels under controlled conditions was preferred due to their higher market demand expected to fetch higher net profits when cultivated as per the recommendations. This present chapter involves the recommended package of practices of several exotic and uncommon vegetables viz. Broccoli, Brussels sprout, Red cabbage, Parsley, Lettuce, Celery and Pakchoi for proper cultivation of these crops under poly tunnels aiming in minimizing the losses.

**Keywords:** Protected cultivation, poly-tunnel, broccoli, Brussels sprout, red cabbage, lettuce, celery, pakchoi

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## 1. Introduction

Protected cultivation of different high value crops like cut-flowers, some fruits and a number of uncommon and exotic vegetables is profitable and acreage of these crops under protected cultivation is increasing in India (Maitra *et al.* 2020). The Exotic vegetable production is a practice of cultivating of non native species introduced from other demographic areas, considering their adaptiveness and market opportunities