VARIETAL PERFORMANCE OF BROCCOLI (BRASSICA OLERACEA VAR. ITALICA) UNDER NORTHERN HILL ZONE OF CHHATTISGARH

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Abstract: Broccoli (Brassica oleracea var. italica. L.) is one of the most prominent vegetable grown all over the world and is an important fancy and highly nutritive exotic vegetable. Vegetables play a very important role in our daily diet. As an unconventional vegetable “Broccoli” is yet to gain the desired popularity in our country. It is very rich source of various anti-cancer agents as well as Vitamin C and dietary fibre. However, considerable attention is being given on the production technology of Broccoli which is rich in nutrient content and greater yield potential. But yet, no systematic work has been done on evaluation and commercialization of high value nutrient rich this Cole crops. Therefore, the present study were carried out at Potato & Temperate Fruit Research Station, Mainpat, Surguja, Chhattisgarh under Indira Gandhi Krishi Vishwavidyalaya during the year 2017-2018 in Rabi season with objectives to varietal performance of Broccoli and to standardize the production technology of sprouting broccoli in northern hill zone of Chhattisgarh. Cultivation of these value added vegetables can boost the income of farmers due to very high market price and export demand. The investigations were followed in Randomized Block Design with three replications. Nine varieties of Broccoli viz. Palam Samridhi, Green Giant, Green Speed, KTS-1, Puspa, Palam Haritika, Priya, Aiswarya and Prema were evaluated for best performance. In general, the performances of this crop with different varieties proved that there is good scope to grow broccoli vegetable due to prevailing suitable agro-climatic condition as well as the gaining importance as potential vegetable for export. Among all the varieties of Broccoli Palam Samridhi was found superior, which gave higher yield (184.5q/ha) followed by Green Speed (173.74q/ha), Green Giant (156.23q/ha) and Palam Haritika (144.84q/ha) respectively in combination with best head formation.

Keywords: Performance, Broccoli, Varieties, Quality and yield

REFERENCES


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