

Bitter gourd varieties are salient features.

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1. Kashi Urvasi:

This variety has been derived from the cross IC-85650B x IC-44435A, having dark green and long fruits, mild projection, length 16-18 cm, fruit weight 90-110 g and yield 200-220 q/ha. This is suitable for cultivation under both rainy and summer seasons.



2. Kashi Mayuri:

Medium maturity group, comparatively less seeded (10-15)/ fruit with uniform shape, size and higher shelf life suitable for distant market. High yield (19.56 t/ha). Variety is capable of fruiting during the hot summer (beyond 35°C), tolerant to Anthracnose, Downey Mildew and Mosaic disease under field condition.

3. Pusa Aushadhi

Pusa Aushadhi developed through hybridization followed by single plant selection from across between gynocious line DBGy201 and Pusa Do Mausami at IARI, New Delhi, has higher female :male flower ratio(7:1) compared to commercial variety, Pusa Do Mausami(1:9). Its fruits are light green, medium long and medium thick with 7-8 continuous narrow ridges. It matures in 48-55 days, producing 12.8 tonnes/ha fruits. The nutrient content and antioxidant activities in its fruits are better than Pusa Do Mausami.

4. Pusa Vishesh

This variety has been released and recommended for cultivation as a summer season crop by the I.A.R.I., New Delhi. The vine is dwarf and bushy and easy to manage. The fruits are attractive green, fusiform with many irregular broken smooth and glossy ridges on the surface. They are medium long and thick. It is early in maturity and takes about 55 days to come to harvest after sowing.

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5. Pusa Do Mausmi

It is a selection from a local collection, suitable for spring, summer, and rainy season cultivation. The fruits reach edible maturity, in about 55 days from sowing. Fruits are dark green, long, medium-thick, club-shaped with 7-8 continuous ridges, 18 cm long at the edible stage, and 8-10 fruits weighing about one kilogram.

6. Arka Harit

It has medium-sized, spindle-shaped fruits with green skin, thick flesh, moderate bitterness, and fewer seeds. It grows well both in the summer and rainy season but the maximum yield is obtained during the rainy season. Fruits are ready for harvesting in 12-14 days after pollination. It yields about 120 quintal fruits per hectare in 100-110 days duration.



7. Punjab-14

It has little vines. Fruit is pale green and weighs approximately 35g. Ideal for

planting in the spring and during periods of heavy rain.

8. Punjab Karela-15

It has smooth, serrated, green leaves. Green and pubescent stem. Long vines with smooth, serrated, dark green leaves. Fruits have a matt look and a dark green colour. It has a mediocre level of resistance to bitter gourd yellow mosaic disease. The yield is 51q/acre on average.



9. Punjab Kareli-1

Vines are long, according to Green, smooth, and serrated leaves are present. Its fruits are ridged, long, and green. First fruit harvest occurs 66 days after planting. The average production is 70 q/acre, and one fruit weighs roughly 50g.

10. Punjab Jhaar Karela-1

Its medium-length vines have green leaves with serrations. Fruits are aesthetically pleasing green, soft, spindle-shaped, and ideal for slicing during cooking. It is immune to viruses and root knot nematode infections. It yields 35 q/acre on average.

11. Coimbatore Long Green

This variety has been released by the Agricultural Research Institute, Coimbatore. Fruits are long, tender, and white in color. This variety is suitable for the rainy season. The vines are prolific and heavy yielders.



120 gm. It gives an average yield of 5.8 t/acre and the variety matures in 115 days.

12. VK-I (Priya)

It is a selection from Kerala Agricultural University. The fruits are extra long (about 39 cm long). Green-spiny-fruits with white tinge at styler end. Yield potential in 30 tonnes/ha. It takes about 60 days from sowing to the first harvest.

**13. MDV-1**

This is a long fruited and high-yielding bitter-gourd variety. It is medium branching and early flowering variety. The vine bears about 20-25 fruits per plant and the per hectare yield is about 250 quintals.

14. CO 1:

The variety has medium sized fruit which are long and dark green in color. The fruits have an average weight of 100-