

New 12 Varieties released by SKUAST-Jammu in March 2017

1. Toria (RSPT-6)

RSPT-6 matures in 85-90 days. It gives average yield of 10-12 quintal per hectare with oil content of 42.0 %. It is moderately resistant to aphid infestation, *Alternaria* blight and White rust.



2. Raya (RSPR-69)

It is early maturing (by 8 days) than check varieties. It matures in 135-145 days. The plants are tolerant to lodging. It is moderately resistant to aphid infestation and *Alternaria* blight and White rust. It has average seed yield of 15-16 quintal per hectare with oil content of 39.4 %.



3. Rice Basmati 129

Basmati 129 is a high yielding (40-45 q ha⁻¹) aromatic variety of basmati rice. It is resistant to lodging due to its short stature and moderately resistant to stem borer, leaf folder and bacterial leaf blight. It matures 15 days earlier with yield superiority of more than 15% over Basmati 370.



4. Wheat Variety JAUW 584

It is suitable for timely sown irrigated conditions of Jammu province. It is high yielding (45-52 q ha⁻¹) with superiority upto 10.47 per cent over the check (PBW 343). It is moderately resistant to yellow and brown rusts. It has excellent grain characters (bold grain, semi hard to hard texture, amber colour seed) with high protein content (12.06%). It matures in 140-155 days.



5. Wheat Variety JAUW 598

It is suitable for rainfed areas of Jammu province. It is high yielding ($40-42 \text{ q h}^{-1}$) with yield superiority over the checks 33.2 and 16.8 per cent over national checks (PBW 175/ WH 1080). It is moderately resistant to yellow and brown rusts and blight disease. It has excellent grain characters (bold grain, semi hard to hard amber colour seed), high protein content (12.8%) over the check (PBW 175 and PBW 644) and moderately resistant to lodging.



6. Maize composite (JMC 3)

Jammu Maize Composite-3 is yellow grain composite distinguishable through its morphological features such as small leaf angle, semi-drooping leaf attitude, canico-cylindrical ear shape and semi flint yellow grain type. The variety has average potential yield of $50-60 \text{ q h}^{-1}$. It takes 130-135 days to maturity under mid hill ecology of Jammu region.



7. Mango (Selection-5)

Selection-5 (Jammu Mango) has been made from the mango tree of seedling origin. It flowers in the 3rd week of February with full bloom in first week of March. It is moderately resistant to mango malformation at flowering stage and has higher fruit set (14.66 per cent) with 446.75 number of fruits per tree which yields to 85 q ha^{-1} at spacing of $10 \times 10 \text{ m}$. It has total soluble solids of $18.91^{\circ} \text{ Brix}$ and 14.68



percent of total sugars. The Selection-5 is also tolerant to drought during fruit set and fruit development which results in large fruit size and higher yield therefore, suitable for cultivation under rain-fed / kandi areas of Jammu sub-tropics.

8. Broccoli (Jammu Broccoli-07) (Early Green)

Broccoli variety Early Green is a selection from KTS-1, maturing in 75-80 days. The variety is suitable for all zones of the state particularly sub-tropical conditions of Jammu where it has adapted to produce seed also. It produces dark green colored curds of the size of 120-140g and produces 7-8 lateral shoots of the size of 50-70g per plant after harvesting of main curd. The variety has yield potential of 180-200q/ha. Plants show dark green leaves with wavy margins. The variety is moderately resistant to prevalent diseases and pests.



9. Coriander (Jammu Coriander-07) (Khushboo)

Khushboo is high yielding selection of coriander from indigenous material. Leaves are dark green and rich in fragrance. It is late bolting and multi-cut variety with yield potential up-to 150q ha⁻¹. This variety can easily be distinguished by its semi spreading plant type with dark green leaves. The crop is ready for first cut after 35-40 days of sowing, giving at-least four cuts within a cropping period of 100-110 days.



10. Okra (Jammu Okra-05) (Seli Special)

The variety Seli Special has been developed through hybridization (Varsha Uphaar x VRO-05-01). The fruits are dark green in colour, medium in size and the fruits remain tender for vegetable purpose for even 4-6 days after attaining optimum stage. The plants are medium in height (90-100 cm) with short intermodal distance. First flower appears at 3rd to 4th node making it early fruit bearing variety. The plants bear 25-30 fruits with average fruit weight of 10-15 g. It has yield potential of 100-150q/ha. Seli Special is field resistant to yellow vein mosaic virus.



11. Fenugreek (Jammu Fenugreek -07) (Kasuri Supreme)

Fenugreek var. Kasuri Supreme is selection from local indigenous material. It has plant height of 45-60 cm, dark green, broad lobed leaves. It is bushy type and ready for first cut after 30-35 days of sowing. It is a multi-cut variety giving 4-5 cuts in rabi season each at 25-30 days interval. It has an average yield potential of 200-250 q ha⁻¹. It is moderately resistant to prevalent diseases and pests.



12. Spinach beet (Jammu Spinach Beet-07) (C-13)

C-13 is a selection from 13 diverse genotypes collected from different parts of the country. It is a multi-cut, short duration variety with smooth dark green leaves. The plant type is erect with a plant height of 35 - 45 cm. The crop is ready for first harvest after 25-30 days of sowing and subsequent cuts are taken after 20-25 days. For green leaves, 4-5 cuts can be taken within a span of 120-130 days. It has an average yield potential of 250-300 q/ha. The variety is moderately tolerant to blight and *Alternaria* leaf spot.

