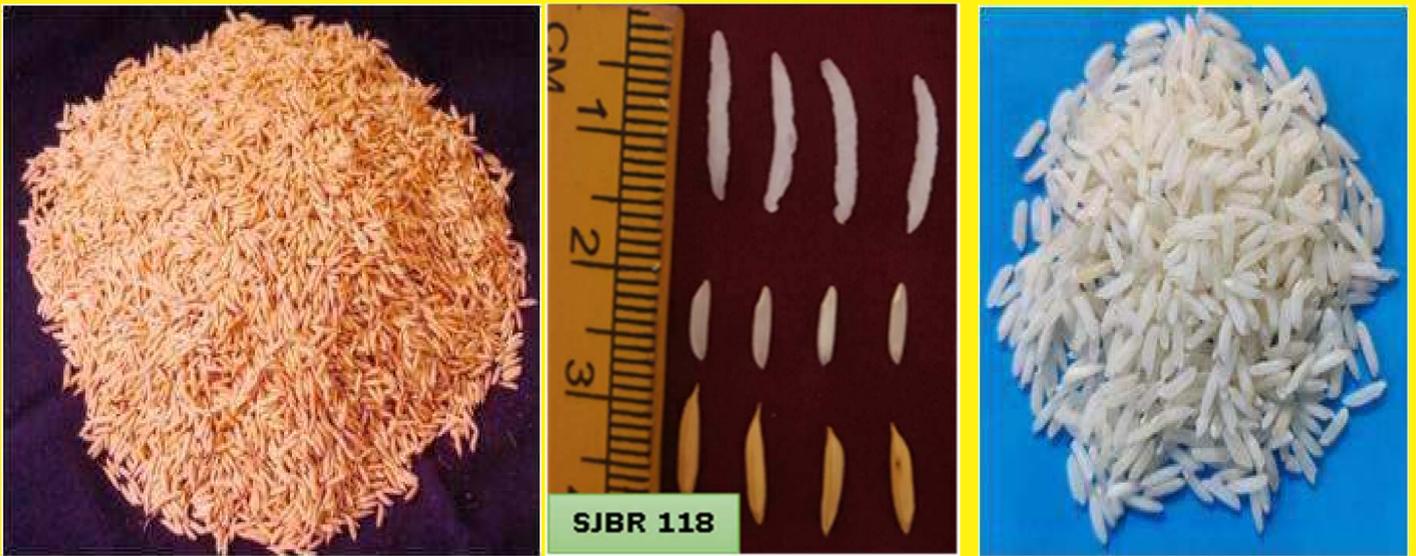


# High Yielding Rice Variety developed by SKUAST-Jammu in 2020 **1. Jammu Basmati 118**



- 1. Yield potential of 45q/ha which is 20-25 % higher than Basmati 370**
- 2. It has outperformed the checks by registering a yield superiority of 15.67 and 29.95 per cent over Pusa Basmati 1 and Pusa Basmati 1121, respectively in AICRP trials.**
- 3. an early maturing variety which matures 25 days earlier to Basmati 370**
- 4. Jammu Basmati 118 is a lodging resistant with plant height of 130-135 cm.**
- 5. Jammu Basmati 118 (IET 27733) has high hulling (79.77%), milling (71.70%) and head rice recovery (HRR) (61.00%).**
- 6. Jammu Basmati 118 fulfills all the international standards of basmati export**
- 7. The variety is moderately resistant to bacterial blight, leaf blast, sheath rot and brown spot**
- 8. Basmati 118 showed moderate resistance to stem borer and leaf folder**
- 9. Long slender grain with grain length on average 7.20 mm**
- 10. Cooked grain non-sticky aromatic with amylose content of 23%.**

# High Yielding Rice Variety

## developed by

### SKUAST-Jammu in 2020

## Jammu Basmati 123



1. **Basmati 123 (IET 27718) is having yield potential of 40q/ha which is 15-20 percent more than yield of Basmati 370**
2. **Outperformed the checks by registering a yield superiority of 14.04 per cent over Pusa Basmati 1121 in national trials**
3. **The variety has high hulling (79.03%), milling (73.49%) and head rice recovery (HRR) (69.09%)**
4. **Panicle compact.**
5. **Grain, long slender, aromatic with average kernel length 6.8mm**
6. **Jammu Basmati 123 meets all the international standards of basmati export**
7. **moderately resistant to Bacterial blight, leaf blast and brown spot**
8. **This variety can be an alternative of Basmati 370 in Jammu and Kashmir**
9. **Jammu Basmati 123 is well performing in all the Geographical Indication (GI) districts of basmati rice such as Jammu, Samba and Kathua.**

# High Yielding Rice Variety

## developed by

### SKUAST-Jammu in 2020

## Jammu Basmati 138



1. **Basmati 138 (IET 27725) is having yield potential of 42q/ha which is 20-25 percent more than the potential yield of Basmati 370.**
2. **It has outperformed the checks by superiority 19.02 per cent over Pusa Basmati 1121 in AICRP trials.**
3. **The variety has high hulling (78.68%), milling (72.49%) and head rice recovery (HRR) (66.59%).**
4. **Basmati 138 meets all the international standards of basmati export .**
5. **Bacterial blight, leaf blast and brown spot are serious and major diseases in our state and Basmati 138 (IET 27725) was found moderately resistant to these diseases.**
6. **Basmati 138 (IET 27725) showed moderate resistance to stem borer and leaf folder compared to checks and other entries tested in the trials.**
7. **Grain long slender with grain length 6.81 mm.**
8. **Cooked rice grain non-sticky with medium amylose content of 23.2%**
9. **Highly aromatic with score of 9 .**
10. **Test weight is 23.0 g with score of 5.**

# **High Yielding Lentil Variety** **developed by** **SKUAST-Jammu in 2020** **Jammu Lentil 71**



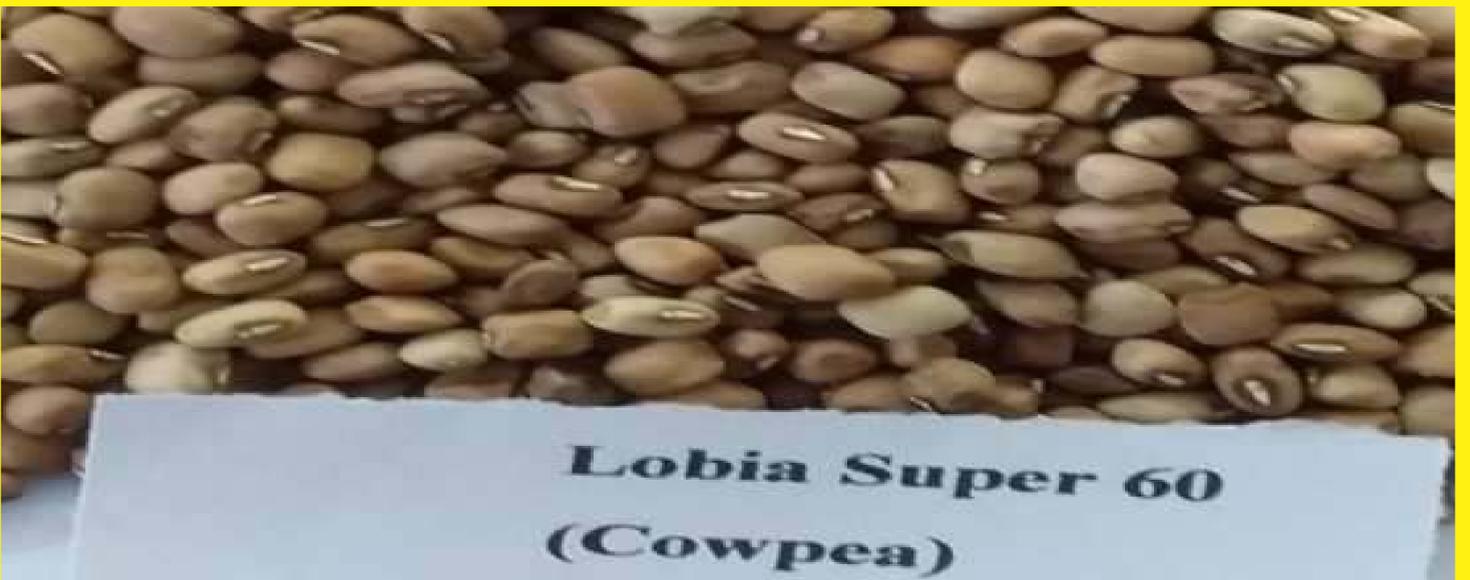
- 1. Jammu Lentil 71 has yield potential of 16-18 qtl/ha**
- 2. Exhibits 50.7% superiority of higher grain yield over check variety PL 406**
- 3. The variety is 12-15 days earlier in maturity over check variety PL 406**
- 4. Resistant to diseases like wilt, root rot and also resistant to pod borer and aphids**
- 5. Climate resilient variety of lentil due to earlier in maturity and matures in 140-145 days**
- 6. Synchronous in maturity, determinate growth habit and no pod shattering takes place**
- 7. Highly preferred and accepted by the farmers due to small seeds i.e. microsperma type.**
- 8. Microsperma seeds, light brown in colour with cotyledon pink in color**
- 9. High protein content that is 24%**
- 10. Lodging resistant due to dwarf plant stature of 40-50 cm.**

# **High Yielding Lentil Variety** **developed by** **SKUAST-Jammu in 2020** **Jammu Lentil 144**



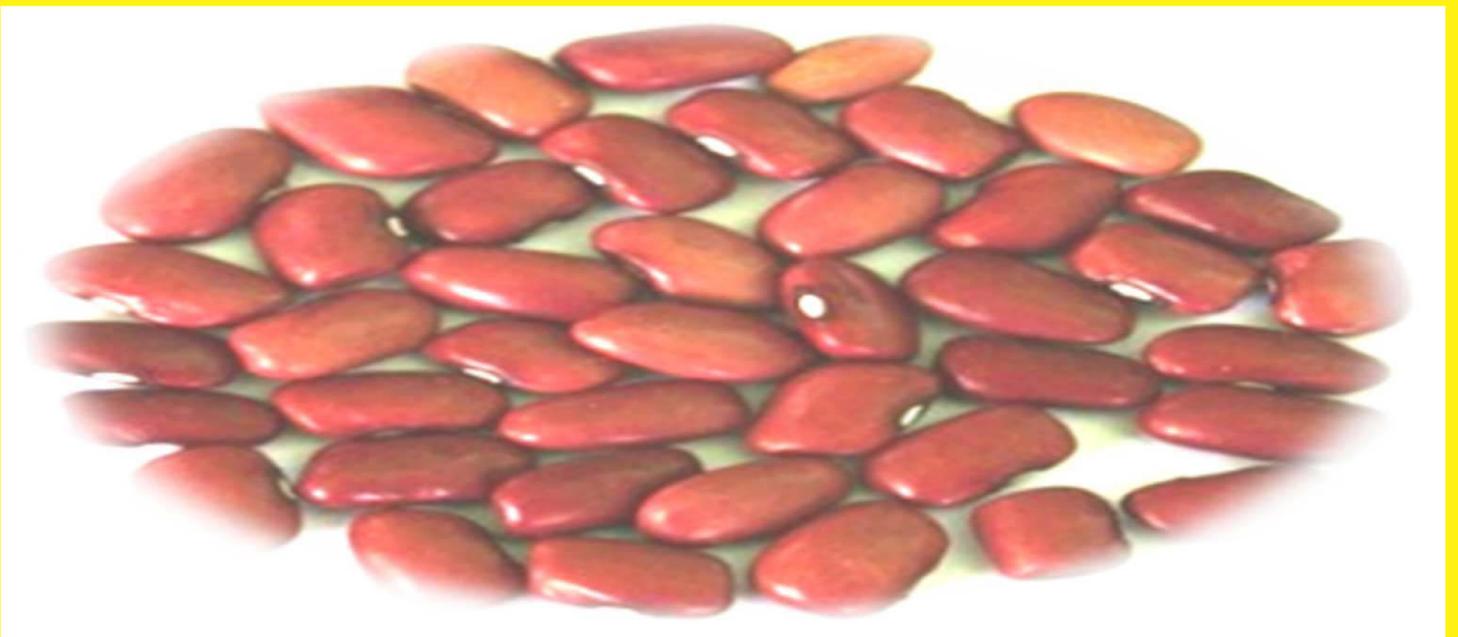
- 1. Climate resilient variety with maturity period 122-125 days.**
- 2. Yield potential of 16-16.5 q/ha .**
- 3. An exhibited earlier in maturity by 25-30 days over regional check PL 406.**
- 4. In general, 17.21% higher in grain yield over regional check PL 406 .**
- 5. Field resistant to Wilt, Root Rot, Pod Borer and Aphids.**
- 6. Suitable for cultivation under rainfed ecology of Jammu region of Union Territory of J&K.**
- 7. Seeds are microsperma type light brown in colour, very good choice of consumers.**
- 8. High protein content (24 %).**
- 9. Lodging resistant due to dwarf plant stature of 50-60 cm.**
- 10. Synchronous in maturity with determinate growth habit and having no pod shattering.**

# **High Yielding Lobia/Rongi Variety developed by SKUAST-Jammu in 2020 Jammu Lobia Super 60 (Lobia Super 60)**



- 1. An extra early variety, matures 25-27 days earlier as compared to local check.**
- 2. Superiority of grain yield over local check 44 to 50% .**
- 3. Grain yield potential is 12.0-12.5 q/ha.**
- 4. Field Resistant to YMV, Fusarium oxysporum and Pod borer.**
- 5. Light brown colour grain of medium size with 1000 grain weight 120 -130 g.**
- 6. Lodge resistant due to dwarf plant stature.**
- 7. Synchronous maturity with determinate growth habit .**
- 8. Prolific pod bearing variety .**
- 9. No pod shattering takes place.**
- 10. 1000 grain weight is 120-130g and seed size is medium.**

**High Yielding Rajmash Variety**  
**developed by**  
**SKUAST-Jammu in 2020**  
**Bhaderwah Rajmash 104 (BR 104)**



- 1. BR-104 is superior in grain yield in comparison to local check by 30-40%.**
- 2. Grain yield potential is 6.0-8.0 q/ha.**
- 3. 1000 seed weight lies between 250-350g.**
- 4. Seed is bold and shining maroon in color.**
- 5. On cooking, preparation is reddish and gives characteristic flavor**
- 6. Asynchronous flowering, white flower and solitary**
- 7. Indeterminate type with climbing habit.**
- 8. Adopted to grow as intercrop with maize in kharif season.**
- 9. Acclimatized to temperate zone.**
- 10. Plant remains green till maturity.**

# **High Yielding Radish Variety** **developed by** **SKUAST-Jammu in 2020** **Jammu Radish 45 (CR 45)**



- 1. Jammu Radish 45 (CR 45) has yield potential of 350q/ha with superiority over check by 20-25%.**
- 2. Tap root snow white in color and invariably show root elongation of 30- 40 cm under optimum environment.**
- 3. Early in maturity as ready for marketing in just 40-45 days.**
- 4. The variety is late bolting so provides a large buffer period for marketing to farmers.**
- 5. Favors high cropping intensity sequences with crop rotation efficiency of 400-500%.**
- 6. As root production crop, entire period is free from diseases and pests so ecofriendly variety.**
- 7. Responds very well to organic nutrient management so recommended for organic cultivation.**
- 8. Jammu Radish 45 (CR 45) is resistant to forking behavior.**
- 9. A self-compatible open pollinated variety, flower white with tinge of violet streaks, prolific siliquae bearing.**
- 10. Seed production potential under Jammu subtropics is**

# **High Yielding Broad bean Variety** **developed by** **SKUAST-Jammu in 2020** **Jammu Broad bean 01**



- 1. The proposed variety SJBB-01 is erect type.**
- 2. It is a mid duration variety attaining plant height of 150-160 cm in open field conditions.**
- 3. No. of pods/plant ranges between 75-80 with average pod length of 5-6 cm.**
- 4. The seed germinates in 7-9 days after sowing and the variety gives first picking in 95 - 100 days.**
- 5. It gives average yield of 80-100 q/ha with superiority over check 50%.**
- 6. The variety can withstand harsh weather and cold climates and can be grown in high saline clayey soils**
- 7. The variety is performing consistently over the years at various locations of Jammu region.**

# High Yielding Cherry Tomato Variety developed by SKUAST-Jammu in 2020 Jammu Cherry Tomato 01



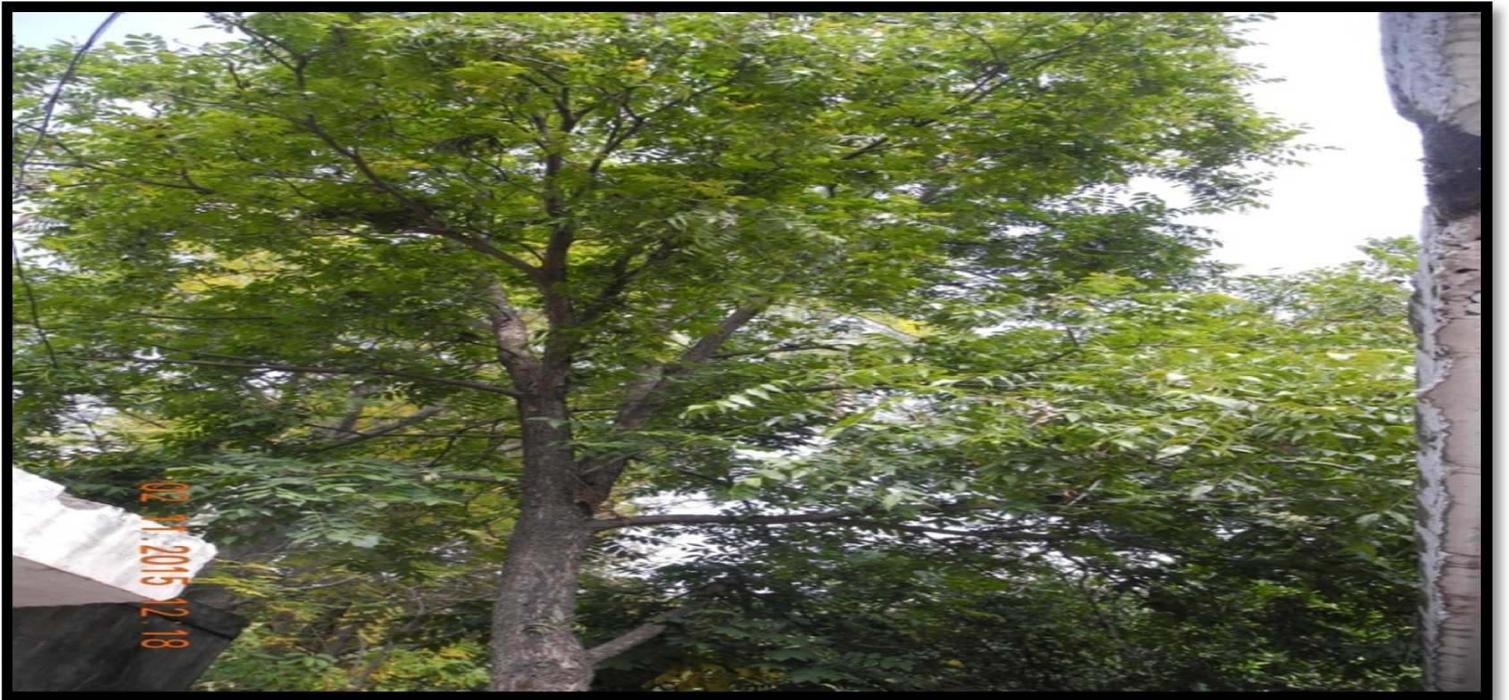
- 1. Cherry tomato variety SJCT-01 can set fruits in hot temperature between 35.0 - 40.0 0C and cold set fruiting at temperatures 10 - 15 0C.**
- 2. Shows field resistance to nematodes and moderately tolerant to fruit borer.**
- 3. Suitable for cultivation under both open and protected conditions.**
- 4. Average fruit yield: 300 - 350 q/ha with superiority over check by 15-20% .**
- 5. SJCT-01 is high yielding and early type of variety, tolerant to insect pest and diseases in Jammu region.**
- 6. Gives first picking in 35 - 45 days after transplanting.**

**High Yielding Walnut Variety**  
**developed by**  
**SKUAST-Jammu in 2020**  
**Walnut variety GL0109**  
**(Bhushan)**



- 1. High yielding potential of 65+5.0 kg fruit nut per tree at age of 20± 1 year.**
- 2. Bears fruit in clusters of 2-5.**
- 3. Red blush on fruit hull.**
- 4. Jumbo size fruit with thin shell and weak pad on suture .**
- 5. Light brown kernel with recovery of 60+2.0%.**
- 6. Adaptation range in the high altitude of 1700+200 metres.**
- 7. Tolerant to anthracnose.**
- 8. Bearing habit intermediate.**
- 9. Early maturing at lower elevation.**
- 10. Numerical rating for export related traits 9.25 out of 10 (J&K Walnut Exporter Association.)**

# High Yielding Pecan nut Variety developed by SKUAST-Jammu in 2020 Pecan nut variety SJPP-25



SELECTION 25

1. **SKJPP25 yields 48 kg/tree which was higher than popular commercial cultivars. It was 29.73 % more than Cv. Mahan, 45.45 % more than Cv. Schley and 60% more than Cv. Burkett.**
2. **Oil content in SKJPP25 is 74.87 % which was 16.87 % more than Mahan, 17.17 % more than Schley and 12.25% more than Burkett.**
3. **Kernel weight of SKJPP25 is 6.41 g which is 71.61 % more than Mahan, 135.6% more than Schley and 137.4 % more than Burkett.**
4. **Nut weight of SKJPP25 is 8.08 g which is 50.46 % more than Mahan, 110.97 % more than Schley and 86.60% more than Burkett.**
5. **Shell thickness is 1.40 mm which is 17.65 % more than Mahan, 38.61% more than Schley and 12.90 % more than Burkett**
6. **SKJPP 25 is high in vitamin content (0.67 mg/100g Vit. B1, 0.24 mg/100g Vit. B6 and 25.23 mg/100g Vit. B9)**
7. **SKJPP 25 is high in mineral content (73.34 mg/100g Ca, 122.93 mg/100g Mg , 4.84 mg/100g Zn , 15.50 mg/100g Cu and 9.47 mg/100g Mn)**
8. **It is free from walnut weevil .**