Varieties developed and released
### Improved Vegetable Varieties

**Swarna Vasundhara (Veg. Soybean)**
- **Recommended for cultivation in**: Jharkhand, Bihar, West Bengal and Orissa
- **Time of sowing**: June – July
- **Yield**: 14-18 t/ha

**Swarna Tripti (Snow Pea)**
- **Recommended for cultivation in**: Jharkhand, Bihar and West Bengal
- **Time of sowing**: September – October
- **Yield**: 24-28 t/ha
Improved Vegetable Varieties

- Recommended for cultivation in Uttar Pradesh, Jharkhand, Bihar and Punjab
- Recommended for cultivation in Jharkhand, Bihar and Rajasthan
- Resistant to powdery mildew
- Time of sowing: June – July
- Yield: 20-25 t/ha (42% increase over check)
- Yield: 35-40 t/ha (42% increase over check)

Swarna Mukti (Garden Pea)

Swarna Utkrisht (Dolichos bean - Pole type)
**Swarna Poorna**
- Recommended for cultivation in Jharkhand, Bihar, Uttar Pradesh and Punjab
- Time of sowing: July-August & February-March
- Tolerant to powdery mildew
- Yield: 20-30 t/ha (45% increase over check)

**Swarna Ageti**
- Recommended for cultivation in Jharkhand and Bihar
- Time of sowing: July-August & February-March
- Tolerant to powdery mildew
- Yield: 30-32.5 t/ha (40% increase over check)

**Swarna Sheetal**
- Recommended for cultivation in Jharkhand, Bihar, Uttar Pradesh, Maharashtra, Delhi, Himachal Pradesh, Andhra Pradesh and Kerala
- Time of sowing: July-August & February-March
- Tolerant to powdery mildew
- Yield: 20-30 t/ha (40% increase over check)
Improved Pointed gourd Varieties

- **Swarna Alaukik**
  - Recommended for cultivation in Jharkhand, Bihar, Orissa, Eastern UP and West Bengal
  - Time of planting: 15 September - 15 November and February (rooted plant)
  - Yield: 25-30 t/ha

- **Swarna Rekha**
  - Recommended for cultivation in Jharkhand, Bihar, Orissa, Eastern UP and West Bengal
  - Time of planting: 15 September-15 November and February (rooted plant)
  - Yield: 30-35 t/ha

ICAR-RCER, Patna
**Improved Ridge gourd Varieties**

- **Swarna Manjari**
  - Recommended for cultivation in Jharkhand, Bihar, Uttar Pradesh and Punjab
  - Time of sowing: June-July & February-March
  - Tolerant to powdery mildew
  - Yield: 18-20 t/ha (45% increase over check)

- **Swarna Uphar**
  - Recommended for cultivation in Jharkhand, Bihar and adjoining areas
  - Time of sowing: June-July & February-March
  - Yield: 20-30 t/ha (45% increase over check)
Improved Vegetable Varieties

Swarna Harita (Cowpea)
- Recommended for cultivation in Jharkhand and Bihar
- Time of sowing: February - March & June-July
- Tolerant to cowpea mosaic virus and rust
- Yield: 30-35 t/ha (46% increase over check)

Swarna Suphala (Cowpea)
- Recommended for cultivation in Jharkhand, Bihar, Karnataka and Kerala
- Time of sowing: February - March & June-July
- Resistant to rust and cowpea mosaic virus
- Yield: 25-30 t/ha (51% increase over check)

Swarna Prabha (Sponge gourd)
- Recommended for cultivation in Uttar Pradesh, Jharkhand and Bihar
- Time of sowing: June-July & February-March
- Tolerant to powdery and downy mildew
- Yield: 25-30 t/ha (55% increase over check)

ICAR-RCER, Patna
Improved Tomato Hybrids

- Recommended for cultivation in Punjab, Uttarakhand, Jharkhand, Bihar & Uttar Pradesh
- Time of sowing: September-October
- Suitable for long distance transportation & processing
- Yield: 90-100 t/ha (60% increase over check)

- Recommended for cultivation in Punjab, Uttarakhand, Jharkhand, Bihar and Uttar Pradesh
- Time of sowing: August–September & February-May
- Resistant to bacterial wilt and early blight
- Yield: 100-105 t/ha (65% increase over check)
Improved Tomato Varieties

- Recommended for cultivation in Jharkhand, Bihar and adjoining areas
- Time of sowing: July-September & April-May
- Resistant to bacterial wilt
- Yield: 60-65.5 t/ha (55% increase over check)

- Recommended for cultivation in Jharkhand and Bihar
- Time of sowing: July-September & February-April
- Resistant to bacterial wilt
- Yield: 60-70 t/ha (54% increase over check)

ICAR-RCER, Patna
Improved Brinjal Varieties

- **Swarna Mani**
  - Recommended for cultivation in Bihar, Jharkhand, Uttar Pradesh, Punjab and Uttrakhand
  - Time of sowing: August – September
  - Moderately resistant to bacterial wilt
  - Yield: 60-65 t/ha (45% increase over check)

- **Swarna Shyamli**
  - Recommended for cultivation in Jharkhand, Bihar and adjoining areas
  - Time of sowing: Round the year
  - Resistant to bacterial wilt
  - Yield: 60-65 t/ha (65% increase over check)
Improved Brinjal Hybrids

- Recommended for cultivation in Bihar and Jharkhand
- Time of sowing: August – September
- Resistant to Phomopsis blight
- Yield: 70-75 t/ha (50% increase over check)

Swarna Shakti (F1)

- Recommended for cultivation in Punjab, Uttarakhand, Bihar, Jharkhand and Uttar Pradesh
- Time of sowing: July – September & Feb. – March
- Resistant to bacterial wilt and Phomopsis blight
- Yield: 70-75 t/ha (49% increase over check)

Swarna Ajay (F1)
Improved Jack fruit varieties

- Recommended for cultivation Jharkhand and adjoining area
- Suitable for table purpose
- Fruit: Attractive skin colour, uniform in shape, highly fragrant pulp, sweet and firm flake
- Fruit maturity: Mid May
- Yield: 500-550 kg/tree

Swarna Manohar

- Recommended for cultivation Jharkhand and adjoining area
- Suitable for culinary purpose
- Fruit: Attractive light green, roundish and uniform shape
- Available Period: May - July
- Yield: 100-120 kg/tree

Swarna Poorti

ICAR-RCER, Patna