

Recent Crop Varieties Released in India: Enhancing Agricultural Productivity

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Introduction

India, being an agrarian economy, relies heavily on agriculture for its growth and development. To boost agricultural productivity and address the challenges faced by farmers, the Indian Council of Agricultural Research (ICAR) and various state agricultural universities have developed and released several new crop varieties. This article highlights some of the recent crop varieties released in India, their key features, and benefits.

Cereal Crops

1. Pusa Udit: A high-yielding, disease-resistant wheat variety developed by ICAR-IARI, released in 2020.

- Yield: 55-60 quintals/ha

- Features: Resistant to leaf rust, powdery mildew, and stripe rust

- Benefits: Improved yield, reduced pesticide use

2. Pusa Vishal: A drought-tolerant, high-yielding rice variety developed by ICAR-IARI, released in 2019.

- Yield: 60-70 quintals/ha

- Features: Resistant to blast disease, tolerant to drought

- Benefits: Enhanced yield, reduced water consumption

3. Kiran: A high-yielding, disease-resistant maize variety developed by ICAR-IARI, released in 2020.

- Yield: 80-100 quintals/ha

- Features: Resistant to turicum leaf blight, ear rot

- Benefits: Improved yield, reduced pesticide use

Pulse Crops

1. Pusa 1121: A high-yielding, disease-resistant chickpea variety developed by ICAR-IARI, released in 2019.

- Yield: 25-30 quintals/ha

- Features: Resistant to fusarium wilt, dry root rot

- Benefits: Enhanced yield, reduced pesticide use

2. Pusa 1103: A high-yielding, disease-resistant pigeon pea variety developed by ICAR-IARI, released in 2020.

- Yield: 20-25 quintals/ha
- Features: Resistant to sterility mosaic disease
- Benefits: Improved yield, reduced pesticide use

Oilseed Crops

1. Pusa Must-101: A high-yielding, disease-resistant mustard variety developed by ICAR-IARI, released in 2019.

- Yield: 30-35 quintals/ha
- Features: Resistant to alternaria blight
- Benefits: Enhanced yield, reduced pesticide use

2. Girnar-3: A high-yielding, disease-resistant groundnut variety developed by Junagadh Agricultural University, released in 2020.

- Yield: 40-50 quintals/ha
- Features: Resistant to rust disease
- Benefits: Improved yield, reduced pesticide use

Fruit and Vegetable Crops

1. Pusa Shyamli: A high-yielding, disease-resistant tomato variety developed by ICAR-IARI, released in 2020.

- Yield: 70-80 tons/ha
- Features: Resistant to bacterial wilt, early blight

- Benefits: Enhanced yield, reduced pesticide use

2. Pusa Navratan: A high-yielding, disease-resistant cauliflower variety developed by ICAR-IARI, released in 2019.

- Yield: 150-200 quintals/ha
- Features: Resistant to downy mildew
- Benefits: Improved yield, reduced pesticide use

Conclusion

The release of these new crop varieties demonstrates India's commitment to enhancing agricultural productivity and addressing the challenges faced by farmers. These varieties offer improved yields, disease resistance, and drought tolerance, reducing pesticide use and promoting sustainable agriculture.

References

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