



CHECKLIST of  
**COMMERCIAL VARIETIES**  
of  
**Vegetables**



Government of India  
Ministry of Agriculture  
Department of Agriculture and Cooperation





CHECKLIST of  
**COMMERCIAL VARIETIES**  
of  
**Vegetables**

*Compiled and Edited by*  
**Dr. Gorakh Singh**  
Horticulture Commissioner



**Government of India**  
**Ministry of Agriculture**  
**Department of Agriculture and Cooperation**

**First Edition:** October 2012

**Published by**

Department of Agriculture & Cooperation  
Ministry of Agriculture  
Government of India  
Krishi Bhawan  
New Delhi

© Publisher  
All Rights Reserved

**Design & Print:**

Macro Graphics Pvt. Ltd. [www.macrographics.com](http://www.macrographics.com)

---

## **Acknowledgments**

- ◆ Indian Agricultural Research Institute, New Delhi
- ◆ Indian Institute of Horticultural Research, Bengaluru, Karnataka
- ◆ Indian Institute of Vegetable Research, Varanasi, Uttar Pradesh
- ◆ Central Potato Research Institute, Shimla, Himanchal Pradesh
- ◆ Chandra Shekar Azad University of Agriculture & Technology, Kanpur, Uttar Pradesh
- ◆ National Research Centre for Onion & Garlic, Pune, Maharashtra
- ◆ National Horticultural Research and Development Foundation, Nasik, Maharashtra
- ◆ Anand Agricultural University, Anand, Gujarat
- ◆ Assam Agricultural University, Jorhat, Assam
- ◆ Chaudhary Charan Singh Haryana Agricultural University, Hissar, Haryana
- ◆ Govind Ballabh Pant University of Agriculture & Technology, Pantnagar, Uttarakhand
- ◆ Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh
- ◆ Junagadh Agricultural University, Junagadh, Gujarat
- ◆ Mahatma Phule Krishi Vidyapeeth, Rahuri, Maharashtra
- ◆ Narendra Deva University of Agriculture & Technology, Faizabad, Uttar Pradesh
- ◆ Punjab Agricultural University, Ludhiana, Punjab
- ◆ Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu

# CONTENTS



<b>Foreword</b>	<b>vii</b>
<b>Vegetable</b>	<b>1</b>
<b>Commercial Varieties of Vegetables</b>	<b>3-65</b>
Amaranthus	3
Ash Gourd	4
Beet Root	5
Bitter Gourd	6
Bottle Gourd	7
Brinjal	9
Broad Bean	14
Brussel's Sprouts	14
Cabbage	15
Capsicum	16
Carrot	17
Cauliflower	18
Chenopodium (Bathua)	20
Chilli	21
Cowpea	24
Cucumber	26
French Bean	27
Garlic	29
Ivy Gourd (Kundru)	31
Knol Khol	31
Lab Lab Bean	32
Lettuce	33
Long Melon	33
Musk Melon	34
Okra	35
Onion	37



Palak	43
Parsley	43
Pea	44
Potato	47
Pumpkin	51
Radish	53
Ridge Gourd	55
Round Melon	56
Snap Melon	56
Sponge Gourd	57
Sprouting Broccoli	58
Summer Squash	58
Tomato	59
Turnip	64
Vegetable Mustard	64
Watermelon	65

<b>State Wise Recommended Varieties of Vegetables</b>	<b>67-112</b>
---	---------------

Andhra Pradesh	67
Arunachal Pradesh	69
Assam	70
Bihar	71
Chhattisgarh	73
Delhi	75
Gujarat	77
Haryana	79
Himachal Pradesh	81
Jammu & Kashmir	83
Jharkhand	85
Karnataka	87
Kerala	89
Madhya Pradesh	91
Maharashtra	93
Manipur	95
Meghalaya	96
Mizoram	97
Nagaland	98
Odisha	99
Punjab	100



Rajasthan	102
Sikkim	104
Tamil Nadu	105
Tripura	107
Uttar Pradesh	108
Uttarakhand	110
West Bengal	112

<b>Leading Vegetables Producing States</b>	<b>113-114</b>
--	----------------

<b>Major Vegetables Producing Belts in India</b>	<b>115-132</b>
--	----------------

<b>Ecological Requirement</b>	<b>133-136</b>
-------------------------------	----------------









**ASHISH BAHUGUNA**  
**SECRETARY**



भारत सरकार  
कृषि मंत्रालय  
कृषि एवं सहकारिता विभाग  
Government of India  
Ministry of Agriculture  
Department of Agriculture & Cooperation

## FOREWORD

Vegetables are an important source of food and nutrition. Vegetable production constitutes roughly two-thirds of the total production of horticulture crops. Although India is the second largest producer of vegetables in the world, our productivity levels are abysmally low. To address this, several hybrids and improved varieties of seeds have been developed. At present, area under vegetable hybrids is only about 0.5 million ha. There is, therefore, huge potential for promotion of region specific cultivars to ensure higher productivity and quality of produce. Ministry of Agriculture has been trying to address this issue through National Horticulture Mission, Horticulture Mission for North East & Himalayan States, National Vegetable Initiative Programme and Rashtriya Krishi Vikas Yojna.

In this backdrop, the Checklist of Commercial Varieties of Vegetable alongwith their salient features, recommended areas, major producing belts, ecological requirements, etc., brought out by Horticulture Division will serve as an extremely useful guide for farmers, extension functionaries and all other stakeholders. I hope this publication has a positive impact on production and productivity of quality vegetables and helps us meet our food and nutritional requirements. I compliment Dr. Gorakh Singh, Horticulture Commissioner for this endeavour.

**Date: September 20, 2012**

**Ashish Bahuguna**





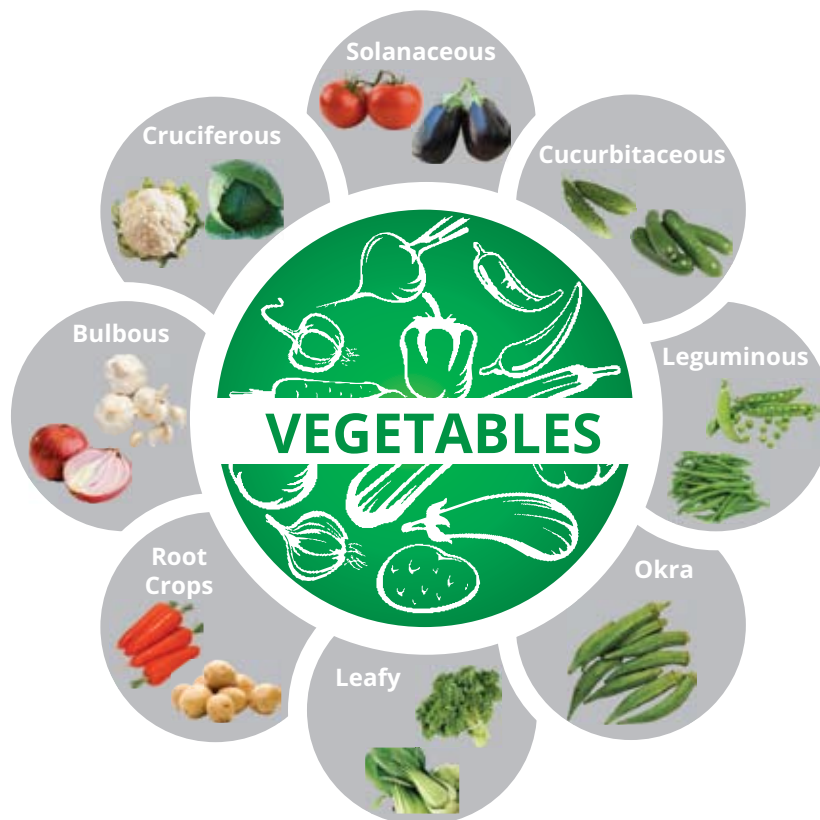
# VEGETABLE

## Introduction

More than 40 kinds of vegetables belonging to different groups namely Solanaceous, Cucurbitaceous, Leguminous, Cruciferous, Bulbous, Root Crops, Leafy and Okra are grown in India in tropical, subtropical and temperate regions. Important vegetable crops grown in the country are potato, tomato, onion, brinjal, cabbage, cauliflower, peas, okra, chilli, beans, melons, etc.

### Production Share of Major Vegetable Crops in India

Potato 27%, Tomato 12%, Onion 11%, Brinjal 8.0%, Cabbage 5%, Cauliflower 4.7%, Okra 4.0%, Others 28.3%



### Production Share of Leading Vegetable Producing States

West Bengal 15%, Uttar Pradesh 12%, Bihar 10%, Andhra Pradesh 8.0%, Gujarat 6.5%, Madhya Pradesh 6.4%, Odisha 6%, Tamil Nadu 6%, Maharashtra 5.5%, Karnataka 5%, Haryana 3.2%, Chhattisgarh 3.0%, Others 13.4%





# COMMERCIAL VARIETIES OF VEGETABLES

Vegetable crops occupy prime importance in nutritional requirements of people. India has made tremendous progress in vegetable production of more than 150 million tonnes annually and ranking second in the world. The estimated demand is about 225 million tonnes by 2017 AD, which can be achieved through use of improved varieties, hybrids and improved production technologies. The hybrid technology has revolutionized the production of vegetable crops and demand for hybrid seeds is continuously increasing. High production, earliness, superior quality, uniform produce and resistance to biotic and abiotic stresses are the main advantage of hybrids.

**Crop wise popular vegetable varieties released from ICAR/SAUs/other Organizations along with their salient features and recommended areas are as under:**

## AMARANTHUS



Name of Variety/Hybrid	Salient Features	Recommended Area
<b>IARI, New Delhi</b>		
Pusa Lal chaulai	Upper surface of leaves are deep red or magenta and lower surface purplish-red, stem deep red, first harvesting after 35 days in spring summer and 25 days in <i>kharif</i> season. Yield 450 q/ha in summer and 400 q/ha in <i>kharif</i> seasons.	All over India
Pusa Kirti	Suitable for sowing in summer season. Leaves green, broad and ovate, stem green and tender, first harvest after 30-35 days. Yield 500 q/ha.	All over India
Pusa Kiran	Suitable for sowing in rainy season. Leaves and stems are glossy green, first harvest after 25-30 days. Yield 350 q/ha.	All over India
<b>TANU, Coimbatore</b>		
CO 1	Can be grown throughout the year (25 days in Mulaikeerai) (50-60 days for Thandukeerai). Average yield 7 t/ha.	Tamil Nadu
CO 3	Plants are dwarf, clipping type. Average yield 31 t/ha.	Tamil Nadu
CO 4	Grain amaranthus type, seeds are rich in protein (19.55 %) and amino acid like lysine (7.5 mg per 100 g) can be substituted for minor millet like Ragi and Thenai. Average yield 3 t/ha.	Tamil Nadu
CO 5	Single plant selection from A-166-1. Double coloured type with dual purpose. Suitable for container cultivation. Average yield 30 t/ha.	Tamil Nadu

## ASH GOURD



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Ujjwal	Fruits are oblong, ellipsoid, rind greenish white while flesh is white with average fruit weight of 7.0 kg. Its fruits are ideal for long distance transportation. Average Yield 480-500 q/ha in kharif season and 410-425 q/ha in summer season.	Karnataka, Tamil Nadu and Kerala
<b>IIVR, Varanasi</b>		
Kashi Ujjwal	Fruits are globular, each weighing 10-12 kg and less seeded. Yield potential of 600-610 q/ha in 130-140 days of crop duration.	Punjab, U.P., Bihar, Jharkhand, Karnataka, Tamil Nadu and Kerala
<b>TANU, Coimbatore</b>		
CO 1	Fruits are globular, green, large, oblong oval in shape, ash coated, weighing 6-8 kg. Average yield 25 t/ha.	Tamil Nadu
CO 2	Small fruited, weighing 2-3 kg. Fruits are oblong or cylindrical and compressed on both sides. Average yield 20 t/ha.	Tamil Nadu
TNAU Ash gourd Hybrid CO 1	F <sub>1</sub> hybrid between PAG 3 x CO 2. Fruits are oblong and medium in size. Average yield 90 t/ha.	Tamil Nadu



**BEET ROOT**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Detroit Dark Red	Tops are small, leaves glossy, dark green tinged with maroon veins, roots perfectly round with deep red skin, flesh deep blood red with light red zoning, tender and fine grained. Corrosive in taste when taken raw; maturity in 80-100 days. Yield 180 q/ha.	All over India
Crimson Globe	Tops medium, leaves bright green with maroon shade, roots globular to flattish globe, medium red skin, flesh medium dark red with indistinct zones, non corrosive in taste. Yield 180 q/ha.	All over India
<b>TANU, Coimbatore</b>		
Ooty.1	Roots are blood red in colour with thin skin and good quality. Average yield 31 t/ha.	Tamil Nadu



**BITTER GOURD**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Do Mousami	The fruits are reach edible stage in about 55 days from sowing, fruits are dark green, long, medium thick, club shaped with 7-8 continuous ridges, 18 cm long at edible stage, 8-10 fruits weigh 1 kg.	Delhi, Punjab, Haryana, U.P. and Bihar
Pusa Vishesh	It is a dwarf vine variety suitable for planting in high plant density. Fruits are glossy green, medium long and thick, suitable as vegetable for pickling and dehydration.	Delhi, Punjab, Haryana, U.P. and Bihar
Pusa Hybrid-2	Its fruits are medium long and thick, glossy-green, suitable for pickling and dehydration. First picking starts at 55-60 days after seed, sowing. Average Yield 190-200 q/ha.	Punjab, U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana and Delhi
Pusa Hybrid-1	Fruits are medium long, medium thick, glossy-green, suitable for pickling and dehydration. Higher yielder than Pusa Vishesh and Pusa Do Mausami, first picking in 55-60 days. Suitable for growing in spring summer season. Yield 200 q/ha.	NCR
<b>IIHR, Bengaluru</b>		
Arka Harit	Fruits are spindle shaped, glossy green skin colour without tubercles. Medium-sized fruits, thick flesh, moderate bitterness, with less seeds. Yield 12 t/ha.	Karnataka, Tamil Nadu and Kerala
<b>IIVR, Varanasi</b>		
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.	U.P., Punjab and Jharkhand
<b>G.B.U.A.&amp;T., Pant Nagar</b>		
Pant Karela-1	The vine length is about 2 m. Fruits are thick, about 15 cm long with tapering ends. It takes about 55 days to first harvest. It is suitable for planting in the hills. The yield potential is 150 q/ha.	U.P. and Uttarakhand
<b>MPKY, Rahuri</b>		
Phle Green Gold	Fruits are dark green, 25-30 cm long with prickles, tolerant to downy mildew, suitable for Kharif and Summer seasons. Average yield 230 q/ha.	Maharashtra
<b>TANU, Coimbatore</b>		
CO 1	Fruits are green, 30-35 cm long, 100-200 g each. Average yield 14 t/ha.	Tamil Nadu
MDU. 1	Fruits are green and each weighs 410 g. Average yield 32 t/ha.	Tamil Nadu
COBgoH 1	Fruits are creamy white and weighs 300 each. Average yield 44 t/ha.	Tamil Nadu





## BOTTLE GOURD



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Summer Prolific Long	Its vines are vigorous in growth and bears long cylindrical fruits. It has yield potential of 250-300 q/ha.	All over India
Pusa Naveen	It is free from crook necked fruits. Its fruits are cylindrical, straight and each weighing 550 g. It is suitable for cultivation in spring-summer and rainy seasons. Average. Yield 350-400 q/ha.	Maharashtra and M.P.
Pusa Santushti	Pear shaped fruits. In spring-summer (290 q/ha) in <i>kharif</i> , an increase of 22% and 18% over best check Pusa Sandesh. Set fruits under low temperature (10-12°C) as well as high temp. (35-40°C). Maturity in 55-60 days. Average Yield 260 q/ha.	Delhi, Punjab, Uttarkhand, Bihar, M.P. and Maharashtra
Pusa Samridhi	Fruits are long without neck. In spring-summer (308 q/ha) in <i>kharif</i> , an increase of 19% and 14% respectively over the check Pusa Naveen. Superior in nutritional qualities. Maturity in 50-55 days. Average Yield 272 q/ha.	NCR
Pusa Sandesh	Vines medium to long fruits are attractive green, round, deep oblate, medium size, weighing 600 g, first picking in 55-60 days in <i>kharif</i> and 60-65 days in summer. Suitable for both, summer and <i>kharif</i> seasons. Yield 320 q/ha.	NCR
Pusa Hybrid 3	Fruits are green, slightly club shaped without neck, suitable for easy packing and long distance transportation, first picking in 50-55 days. Yield 425 q/ha in summer and 470 q/ha in <i>kharif</i> season.	All over India
<b>IIHR, Bengaluru</b>		
Arka Bahar	Fruits are medium long, straight without crookneck. Light green shining fruit skin when tender (1 kg). Tolerant to blossom end rot. Yield 40-45 t/ha.	M.P. and Maharashtra
<b>IIVR, Varanasi</b>		
Hybrid -Kashi Bahar	This is a long fruited hybrid with green vine and vigorous growth, fruit straight, light green, length 30-32 cm and average weight 780-850 g and yield 500-550 q/ha.	U.P., Punjab, Bihar and Jharkhand
Kashi Ganga	This is an early variety derived from the cross IC-92465 x DVBG-151. Fruits are light green, length 30 cm, diameter 7 cm, fruit weight 800-900 g and yield 480-550 q/ha.	U.P., Punjab and Jharkhand
<b>AAU, Anand, Gujarat</b>		
Anand Bottle Gourd -1	The fruits are long, tender, attractive, light green colour, slightly rounded at stem end as well as blossom end with fine cluster. The fruit skin is smooth, non-hairy and has long shelf life. Average yield 233.97 q/ha.	Middle Gujarat

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>G.B.U.A.&amp;T, Pant Nagar</b>		
Pant Sankar Lauki-1	The fruits are intermediate sized long and somewhat cylindrical (about 35 cm long). The fruits are green. Vine length is about 5.5 m. The first picking is possible in about 60 days. It is suitable for planting in the plains as well as in the hills. The yield potential is 400 q/ha.	U.P. and Uttarakhand
Pant Sankar Lauki-2	The fruits are about 40 cm long, clubs shaped with smooth green colour. The first green fruit is harvest in 65 days. This is suitable for plains and hills. It can be sown from March to July in plains and April to May in the hills. The yield potential is 400 q/ha.	U.P. and Uttarakhand
Pant Lauki-4	This is the medium duration and high yielding variety of bottle gourd. It has long fruits (40 cm) of light green colour with light strips having hairs. Yield potential is about 300 q/ha.	The plains and hills areas of North India
<b>NDUA&amp;T, Faizabad</b>		
N. Bottle Gourd Hybrid-4	Fruits are cylindrical, uniform and attractive. Early maturity (50-55 days) and prolific bearer with yield potential of 700 q/ha in summer, 1000 q/ha in rainy and early winter seasons.	U.P., Bihar, Punjab, Rajasthan and Haryana
N. Rashmi (NDBG-1)	Fruits are long bottle shape, suitable for cultivation in summer and rainy seasons. Early maturity (60 days), average fruit yield 300-400 q/ha.	U.P.
N. Dharidar (NDBG-208-1)	Fruits are long bottle shape with striped green suitable for summer seasons. Average fruit yield 350 q/ha.	U.P.
N. Jyoti (NDBG-104)	Fruits are long slender and attractive. Early maturity (60 days). Average fruit yield during summer 400 q/ha and 600 q/ha during rainy seasons.	U.P.
N. Shishir (NDBG-202)	It is a winter type round fruited variety and has peculiar multifid/podate leaf shape. Resistance against anthracnose, downy mildew, powdery mildew and viral disease complex. Average yield 850 q/ha.	U.P.
N. Madhuri (NDBG-505)	Fruits are attractive with round shape, it produces highly palatable cooked vegetable. Average yield 1000 q/ha.	U.P.
N. Shivani (NDBG-403)	It is winter type prolific bearer very long slender fruited fit for kitchen garden purpose. Average yield 1300 q/ha.	U.P.
N. Bottle Gourd (NDBG-132)	Fruits are long slender shape, it is an early variety requires 60 days for first picking in spring/summer crop. Average yield 300 q/ha.	U.P., Haryana, Rajasthan and Gujarat
Bottle Gourd (NDBG-619)	Fruits are attractive with cylindrical in shape, early maturity (55 days). Average yield 300 q/ha.	U.P., M.P. and Maharashtra
<b>MPKY, Rahuri</b>		
Samarat	Fruits are 30-40 cm long, green in colour, cylindrical in shape. Good for box packing, suitable for Kharif and summer seasons.	Maharashtra
<b>TANU, Coimbatore</b>		
CO 1	Fruits are round at the base and bottle neck at the top, light green, each weighs 2 kg. Average yield 36 t/ha.	Tamil Nadu
TNAU Bottle gourd Hybrid CO 1	F <sub>1</sub> hybrid developed by crossing NDBG 121 x Arka Bahar. Fruits are cylindrical, without crook neck, medium sized (0.95-1.00 kg). Suitable for bower system of cultivation. Average yield 80 t/ha.	Tamil Nadu
<b>CSAUAT, Kanpur</b>		
Azad Nutan	Long, green. Average yield 350-400 q/ha.	Punjab, Tarai region of Up, Uttarakhand, Bihar and Jharkhand



## BRINJAL



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Purple Long	Fruits are long (20-25 cm), purple, glossy and tender. It is suitable for summer and autumn seasons. Average yield 280-310 q/ha.	Punjab, U.P., Bihar, Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Pusa Purple Cluster	Purple stem foliage purplish green, non spiny, fruits are 10-12 cm long, deep purple, borne in clusters with 4-9 fruits per cluster. Most suitable for hills and southern states, field resistant to bacterial wilt ( <i>Pseudomonas solanacearum</i> ); first picking in 60-65 days after transplanting. Average yield 250 q/ha.	All over India
Pusa Kranti	This variety has been derived from a three way cross (PPL x Hyderpur) x Wynad Giant. Fruits are oblong, 15-20 cm long, dark purple with shining green calyx and less seeded. Average yield 275-300 q/ha.	Punjab, U.P. and Bihar
Pusa Uttam	Plants are semi upright, vigorous, branched and free from spines. Mature plants appear green with occasional light pigmentation also present on growing shoots. Flowers appear in clusters having bluish violet corolla. Fruits are pendent, oval, medium, large sized and glossy with dark purple skin and green peduncle. The bearing habit is solitary. Single fruit weight 250-300 g. It has yield potential of 425-450 q/ha.	Maharashtra and Gujarat
Pusa Bindu	Plants are 55-60 cm tall with green leaves. Fruits are borne in cluster of 4-5 with each fruit weighing 125 g. This variety has yield potential of 250-300 q/ha.	Maharashtra and Gujarat
Pusa Upkar	Plants are semi upright, medium to tall (70 cm) with 5-6 branches and greenish purple leaves bearing 15 fruits. Fruits are round (9 cm diameter), dark purple and each fruit weighing 300 g. Average yield 650-670 q/ha.	Punjab, U.P. and Bihar
Pusa Ankur	Plants are semi upright (semi erect stem), medium to tall (65 cm) with 6-8 branches. Fruits are small, round and purple. Average yield 560-580 q/ha.	M.P. and Maharashtra
Pusa Shyamla	Fruits are long, glossy, attractive dark purple, weighing 80-90 g. Maturity in 50-55 days. Average yield 390 q/ha.	Punjab, Uttarakhand and Bihar
DBL-02	Plants are non spiny with erect branches having light purple pigmentation partially on younger leaves. Its fruits are long, violet purple with round distal end, each fruit weighing 80-90 g. Maturity in 55 days from transplanting. Average yield 40 t/ha.	Delhi, Punjab and Haryana



Name of Variety/Hybrid	Salient Features	Recommended Areas
Pusa Anupama	Plants are medium tall with slightly violet tinged stem and foliage, leaves with purple rib fruits are cylindrical, tender, purple, borne in clusters with 3-5 fruits. Resistant to bacterial wilt; first picking in 65-70 days after transplanting. Average yield 370 q/ha.	Kerala, Tamil Nadu and Karnataka
Pusa Hybrid-5	Plants are vigorous, non spiny with semi erect branches. Fruits are long, glossy, attractive, dark purple with partially pigmented peduncle, each fruit weighing 100 g. It takes 80-85 days from sowing to first picking and further pickings continue up to December in the Central and Northern Plains, whereas in Kerala, Tamil Nadu, Karnataka and Andhra Pradesh from November to May. Average yield 520-540 q/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, M.P., Chhattisgarh, Tamil Nadu, Kerala and Karnataka
Pusa Hybrid-6	Plants are non spiny, semi erect, branched, vigorous, partial pigmentation on younger leaves and growing tips. Fruits are round, glossy, attractive, violet purple, partially pigmented peduncle with each fruit weighing 200-250 g. Being an early bearing, hybrid it takes 85-90 days from sowing to first picking and further pickings continue up to December. It has average yield potential of 450-470 q/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, M.P., Chhattisgarh, Tamil Nadu, Kerala, Karnataka and Andhra Pradesh
Pusa Hybrid-9	Plants have are green, non spiny, strong erect branches with light pigmentation on younger leaves. Fruits are oval round, glossy, attractive, dark purple, peduncle partially pigmented with average weight of 300 g. It takes 90 days from sowing to first pickings and further pickings continue up to December. Average yield 675-700 q/ha.	Gujarat and Maharashtra
DBHL-20	Fruits are long, dark purple, glossy, weighing 90-100 g and it takes about 55 days from transplanting to first harvest. Average yield 524.0 q/ha.	Punjab, Delhi, Uttar Pradesh and Bihar
<b>IIHR, Bengaluru</b>		
Arka Anand	High yielding F <sub>1</sub> hybrid with resistance to bacterial wilt. Fruits are green, medium long with excellent cooking quality. Average yields 55-60 t/ha in 140 days.	Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Navneeth	High yielding F <sub>1</sub> hybrid with large (450 g) purple oblong fruits. Average yields 65-75 t/ha in 160 days.	H.P., J&K, Hills of U.P., West Bengal, Assam, Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Sheel	Fruits are medium in size with deep shining purple skin. Calyx fleshy and green. Solitary bearing habit. Average yield 38 t/ha.	Karnataka, Tamil Nadu and Kerala



Name of Variety/Hybrid	Salient Features	Recommended Areas
Arka Kusumakar	Fruits are green small borne in clusters. Soft texture with good cooking quality. Average yield 40 t/ha.	Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
Arka Shirish	Fruits are green, extra long. Solitary bearing habit. Average yield 39 t/ha.	Karnataka, Tamil Nadu and Kerala
Arka Nidhi	Fruits are purple tender with slow seed maturity having no bitter principles. Resistant to bacterial wilt. Average yield 48.5 t/ha.	Karnataka, Tamil Nadu and Kerala
Arka Keshav	Red purple glossy fruit skin with green calyx. Green leaves with purple leaf base and purple veins when fruits are young. Light purple green stem. Fruits are tender with slow seed maturity with no bitter principles. Resistant to bacterial wilt. Average yield 45 t/ha.	Karnataka
Arka Neelkanth	Fruits are tender with slow seed maturity with no bitter principles. Resistant to bacterial wilt. Average yield 43 t/ha.	Karnataka
<b>IIVR, Varanasi</b>		
Kashi Sandesh	Green stems, purplish green leaves and purple flowers appear in 45 days after transplanting. Fruits are purple, medium, round, fruit length 12.4 cm, diameter 10.2 cm and weight 225.3 g. The picking starts in 76 days after transplanting. Average yield 780 q/ha.	All over India
Kashi Taru	Plants are tall and erect, height 120-130 cm, leaves and stem are dark green, first flowering starts in 45-50 days after transplanting. Fruits are long, purple, length 31 cm and diameter 5 cm. The picking starts from 75-80 days after transplanting. Average yield 700-750 q/ha.	U.P. and Jharkhand
Kashi Prakash	Plants are semi upright, stems and leaves are green. Fruits are attractive with light green spots, calyx spiny, average weight 190 g. The picking starts in 80-82 after transplanting. Average yield 650-700 q/ha.	U.P. and Jharkhand
Kashi Komal	Semi upright, height 90-100 cm with light green stem and leaves, first flowering takes in 35-40 days after transplanting. Fruits are light purple, long, soft texture, average length 13 cm and diameter 3 cm. The picking starts in 65-70 days after transplanting. Average yield 800 q/ha.	All over India
<b>HAU, Hisar</b>		
PH-4	Plant are bushy, fruit are medium long to long and thin, deep purple in colour, flesh light green. Average yield 250-300 q/ha.	All over India
BR-112	Plants are bushy, fruits are round with bright purple colour and fleshy. Average yield 250 q/ha.	All over India
Hisar Shyamal	Fruits are round, bright, dark purple in colour. Average yield 300-325 q/ha.	All over India
Hisar Pragati	Suitable for summer season, fruit are long bright dark purple colour. Average yield 325-350 q/ha.	Haryana



Name of Variety/Hybrid	Salient Features	Recommended Areas
Hisar Jamuni	Fruits are oblong, dark bright purple in colour and high yielding. Average yield 260-280 q/ha.	Haryana
HLB-12	Tolerant to high temperature and shoot and fruit borer. Average yield 200 q/ha.	Haryana
<b>JAU, Junagadh</b>		
GJB-3	The fruits are medium to big in size and oval in shape with green colour and good shining. Suitable for <i>late kharif</i> (15th Aug. to 15th Sept). Average yield 394 q/ha.	Gujarat
<b>AAU, Jorhat, Assam</b>		
JC-1	Plants are tall, pedicel non spiny, fruit are long, medium in size, purple in colour with pointed apex. Tolerant to bacterial wilt, phomopsis blight, little leaf virus and borer. Maturity in 130 days. Average yield 336 q/ha.	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura
JC-2	Plants are tall, pedicel spiny, fruit large, oblong, purple in colour with blunt apex. Tolerant to bacterial wilt, phomopsis blight, little leaf virus and borer. Maturity in 130 days. Average yield 350 q/ha.	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura
<b>AAU, Anand, Gujarat</b>		
GBH-1	The fruits are dark purple with single green styler spot at apex. This hybrid is tolerant to shoot and fruit borer. Average yield 578 q/ha.	Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, M.P. and Maharashtra
Oblong Brinjal-1	Fruits are attractive due to better shape, size, black in colour and shining. It is moderately tolerant to leaf disease. Average yield 486 q/ha.	Middle Gujarat
Anand Brinjal Small Round-2	The fruits are small in round, light pinkish, shiny with non spiny calyx. Average yield 408 q/ha.	M.P. and Maharashtra
<b>G.B.U.A.&amp;T, Pant Nagar</b>		
Pant Samrat	It is a long fruited variety which produces dark purple, medium to long fruits in clusters. Plants are tall (80-100 cm) and robust. Young leaves are purplish green. It takes about 70 days for first picking after transplanting. It has resistance against phomopsis blight and bacterial wilt under field conditions. The yield potential is about 300 q/ha.	All over India
Pant Rituraj	Fruits are purple in colour, round with slight tapering towards the bottom. It takes about 60 days for first picking after transplanting. It is suitable for planting both in winter and summer seasons and is a prolific bearer unlike Type 3 which is the parental cultivar and is shy bearer. The yield potential is 300 q/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Brinjal Hybrid1	The fruits are long, bright deep purple in colour and have soft flesh. The fruiting is in clusters. It has field resistance against bacterial wilt and phomopsis blight. It is less infested by shoot and fruit borer. This variety has wider adaptability. It takes 70-75 days for first picking and yields about 600 q/ha fresh fruits.	Hills and plains of U.P. and Uttarakhand



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>MPKY, Rahuri</b>		
Krishna	Plants are tall and hardy, resistant to lodging. Egg shaped, spiny purple coloured fruits with white stripes, suitable for Kharif and summer seasons. Average yield 480 q/ha.	Maharashtra
Phule Harit	Fruits are green in colour with white patch at apical end. Suitable for kharif and summer seasons. Average yield 200 q/ha.	Maharashtra
Phule Arjun	Fruits are green with purple and white stripes, oval in shape and spiny. Suitable for kharif and summers seasons, average yield 450 q/ha.	Maharashtra
<b>TANU, Coimbatore</b>		
CO 1	Fruits are light green with white base and oblong. Medium sized fruits (50-60 g) good keeping quality. Average yield 24 t/ha.	Tamil Nadu
MDU 1	Fruits are round, bright purple and weight 280 g. Average yield 34 t/ha.	Tamil Nadu
PKM 1	Fruits are medium in size, drought tolerant and can withstand long distance transport. Average yield 34 t/ha.	Tamil Nadu
CO 2	Fruits are oblong with brown stripes. Suitable for Periyar and Coimbatore districts. Average yield 35 t/ha.	Tamil Nadu
KKM 1	Fruits are egg shaped, milkywhite, borne in clusters of 2 - 4. Average yield 37 t/ha.	Tamil Nadu
COBH 1	Fruits are slightly oblong, glossy violet. Average yield 56 t/ha.	Tamil Nadu
PPI 1	Fruits are oblong, pale green and moderately resistant to shoot and fruit borer and wilt. Average yield 45 t/ha.	Tamil Nadu
COBH 2	F1 hybrid developed by crossing EP65xPusa Uttam. Fruits are medium in size, oblong in shape, dark violet, weighing 55 to 60 g. Average yield 60 t/ha.	Tamil Nadu
PLR (BR) 2	Single plant selection from Sevanthampatti local. Fruits are oval in shape, dark purple with pink tinge and glossy. Average yield 38 t/ha.	Tamil Nadu
TNAU Brinjal VRM 1	Pureline selection. Fruits are oval in shape, glossy pink with green tinge at the distal end. Average yield 45 t/ha.	Tamil Nadu
<b>CSAUAT, Kanpur</b>		
Azad B-2	Round, bright purple, resistance to phomopsis fruit rot. Average fruit 350-400 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand
Azad B-3	Long cylindrical, shining purple. Average fruit 400-450 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand
Azad B-4	Round fruited, light purple in colour, calyx green. Average fruit 300-350 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand
Azad Hybrid	Long, bright purple, calyx green. Average fruit 500-550 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand



**BROAD BEAN**

Name of Variety/Hybrid	Salient Features	Recommended Areas
IARI, New Delhi		
Pusa Sumeet	Attractive dark-green pods in clusters, first picking in 65-70 days. Yield 180 q/ha.	NCR

**BRUSSEL'S SPROUTS**

Name of Variety/Hybrid	Salient Features	Recommended Areas
IARI, New Delhi		
Hills Ideal	Plant height 55-60 cm, compact with good flavour, first picking in 80 days after transplanting. Yield 160 q/ha.	H.P., J&K and Uttarakhand





## CABBAGE



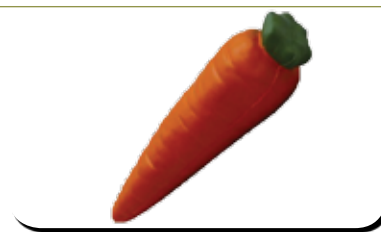
Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Ageti	Tropical type, produces seeds under sub tropical conditions, forms marketable head at a temperature range of 15-30°C but day temperature should not be above 35°C, recommended for March and August-October planting in northern plains, head weight 600-1200 g, ready for harvest in 75-90 days after transplanting. Yield 110-330 q/ha.	All over India
Pusa Drum Head	Heads are large (3-4 kg), flat, cover leaves are light green, field resistant to black leg ( <i>Phoma lingam</i> ) disease, ready for harvest in 80-90 days after transplanting. Yield 300 q/ha.	All over India
Golden Acre	Plants with short stalk and small frame, heads round, very compact cover leaves with dark green, cup shaped with prominent veins, ready in 60-75 days after transplanting. Yield 250 q/ha.	All over India
Pusa Mukta	Plants with short stalk heads flattish round, medium in size, leaves are light green with slightly wavy margins, resistant to black rot ( <i>Xanthomonas campestris</i> ), ready for harvest in 70-75 days after transplanting. Yield 300 q/ha.	Punjab, U.P., Bihar, W.B. and Assam
KGMR-1	Round, compact, green and covered head with outer leaf crimping, medium waxy, green and slightly serrated leaves, early in heading (60 days), better staying capacity in the field after maturity (20 days). Average yield (350-400 q/ha).	Punjab, U.P., Bihar, H.P. and Uttarakhand



**CAPSICUM**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
California Wonder	Plants are upright, fine flavoured with 3-4 distinct lobes, smooth, thick flesh, deep green, turns bright crimson at maturity, first picking in 90-100 days after transplanting. Average yield 170 q/ha.	All over India
Pusa Deepti	Plants are erect, medium and bushy, fruits are yellowish green, conical, turns dark red at maturity, 9-11 cm long, very early, first picking in 60-70 days after transplanting. Average yield 225 q/ha.	All over India
<b>IIHR, Bengaluru</b>		
Arka Mohini	Thick fleshed, 3-4 lobed dark green blocky fruits. Average fruit weight 180-200 g. Fruits are pendent which turn red at ripening. Average yield 20 t/ha. Seed yield 150 kg/ha.	All over India
Arka Gaurav	Thick fleshed, 3-4 lobed green blocky fruits. Average fruit weight 130-150 g. Fruits are erect which turn orange yellow at ripening. Average yield 16 t/ha.	All over India
Arka Basant	Thick fleshed, 2-3 lobed conical fruits. Average fruit weight 50-80 g. Fruits are erect, cream coloured which turn orange red at ripening. Average yield 15 t/ha.	All over India



**CARROT**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Meghali	It has short tops with smooth roots, orange flesh, self-coloured core and stumpy to slightly tapering roots. It is suitable for sowing as early (August-September) as well as late (October-November). It is preferred for early sowing and can be marketed in 110-120 days. Average yield 250-280 q/ha.	Madhya Pradesh and Maharashtra
Pusa Rudhira	Gives more than 50% higher yield over check. (Pusa Kesar) besides, being self-core red coloured with delayed bolting. Maturity in 85-90 days. Average yield 330 q/ha.	NCR
Pusa Asita	Gives more than 30% higher yield over check (Pusa Kesar) besides, being self-black coloured and late bolter. Maturity in 95-100 days. Average yield 300 q/ha.	NCR
Pusa Vrishti	It is a new heat tolerant tropical carrot variety. It is suitable for early sowing beginning in July under North Indian plains. Maturity in 85-90 days. Average yield 250 q/ha.	NCR
Nantes	Temperate type, small tops with green leaves, roots are well shaped, small, orange in colour, perfectly cylindrical, abruptly ending in small thin tail, sweet and self coloured core with orange flesh. Suitable for sowing from mid-October to early December, maturity in 90-100 days. Yield 120 q/ha.	All over India
Pusa Kesar	Short tops, roots tapering, deep red in colour, core small and self coloured, rich in carotene, maturity in 80-90 days. Yield 300 q/ha.	All over India
Pusa Yamdagni	Temperate type, takes 86-130 days from sowing, earlier than Nantes by a week. Roots are orange in colour with self-coloured core, slightly tapering or semi stumpy with medium tops, rich in carotene, maturity in 90-100 days. Yield 120 q/ha.	All over India
Pusa Nayanjyoti	It is first orange coloured temperate carrot hybrid from Public sector in India. It is rich in beta carotene (7.55 mg/100 g). Sowing time in Apr-Aug (Hills), Nov-Dec (North Indian plain). Roots are self coloured with no core. Average yield 35-45 t/ha.	NCR and H.P.
<b>HAU, Hisar</b>		
Hisar Gairic	Self cored, high carotene, high yield, roots longer than Pusa Kesar. Average yield is 300 q/ha.	Haryana



## CAULIFLOWER



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Deepali	Plants are medium tall. Leaves are erect, short, green and waxy. Curds are compact, self-blanching, white and medium in size. Uniform curds are well protected by leaves and resulting no riceyness. Curds are ready in late October when the average temperature is around 20-25°C. It is recommended for sowing from May end to early June. Average yield 150-175 q/ha.	Delhi and Punjab
Improved Japanese	It is erect with bluish green leaves. Curds are white, and compact. It is susceptible to heat and curd availability period is late November to December (16-20°C) from late July to early August sown crop. Average yield 110-125 q/ha.	Punjab, Bihar, U.P., Rajasthan, H.P., J & K, Delhi and West Bengal
Pusa Shubra	Plants are erect with long stalk and bluish green leaves. Curd is compact and white each weighing 700-800 g. Plants are highly tolerant to riceyness and are resistant to black rot under field and artificial inoculation conditions. It takes 125-130 days for 50% curd formation and best temperature for curd is 12-16°C. The yield potential of this variety is 250-300 q/ha.	Delhi, Punjab, Haryana, U.P. and Bihar
Pusa Early Synthetic	Plants are erect with bluish green leaves. Curds are small to medium, flat, creamy white and compact. It is suitable for early planting and resistant to riceyness. Average yield 120-150 q/ha.	Punjab, U.P., Bihar, Karnataka, Tamil Nadu and Kerala
Pusa Paushja	Curds are compact and white. Maturity in 75 days. Average yield 400 q/ha.	Punjab, U.P., Uttarakhand and Bihar
Pusa Meghna	Extra early (Sept. maturity), white compact medium in size curd (350-400 g). Maturity in 95 days. Average yield 125 q/ha.	NCR
Pusa Sharad	Mid early (Nov.) compact curd weighing 900 g. Maturity in 80 days. Average yield 240 q/ha.	NCR
Pusa Shukti	Dec-Jan maturity, curd compact and white. Maturity in 75 days. Average yield 440 q/ha.	NCR
Pusa Snowball K-1	Curds are snow white, self-blanching, last to form curd in the snowball group extending its availability period by about a fortnight. Field resistant to black rot, matures in 90-95 days after transplanting. Average yield 300 q/ha.	All over India
Pusa Snowball KT-25	It is suitable for cultivation in the <i>late rabi</i> season. Leaves are dark green waxy and slightly curly. Curd is white, very compact. It is a self-blanching type cultivar. Suitable sowing time under north Indian condition is Oct-Nov. It is tolerant to black rot. Average yield 17.5- 30.0 t/ha.	All over India

Name of Variety/Hybrid	Salient Features	Recommended Areas
Pusa Himjyoti	Plants are erect, leaves bluish green with waxy coating, self blanched, retentive white curds, 500-600 g in weight, takes 60-75 days from planting to harvesting. Only variety suitable from April to July sowings in the hills above 1000 m height. Average yield 160 q/ha.	All over India
Pusa Hybrid-2	It is semi erect with bluish-green upright leaves. Curds are creamy white, highly compact with average curd weight of 907 g. It matures from mid-November to mid-December in the North Indian Plains. Plants are resistant to downy mildew. Average yield 250-270 q/ha.	West Bengal, Assam, Punjab, U.P., Bihar and Delhi
Pusa Kartik Sankar	Temperature requirement for curd formation is 22-25°C. Maturity in 96 days which is 2 weeks earlier than Pusa Early Synthetic. Curds are compact, white, medium in size and each weighing about 475 g. It is resistant to downy mildew. Average yield 145-160 q/ha.	West Bengal, Assam, Punjab, U.P., Bihar and Jharkhand
<b>IIVR, Varanasi</b>		
Kashi Kunwari	This is an early maturity variety. Suitable time of sowing is end of June to July under North Indian plain conditions. It can tolerate high rainfall during its vegetative growth. Curds are semi-dome type, white compact; fine texture and weight about 300-450 g, and yield of 300-350 q/ha.	Punjab, U.P., Bihar and Jharkhand
<b>HAU, Hlsar</b>		
Hisar-1	Suitable for mid-late season, curds are medium to large size and white in colour. Average yield 250 q/ha.	All over India
<b>G.B.U.A.&amp;T, Pant Nagar</b>		
Pant Shubhra	This is a mid season variety. This variety is characterized by semi erect outer leaves. Inner leaves partially cover the curds which are compact, slightly conical, non ricey and creamish white in color which retains as such for a long time. The variety produces marketable curds by December-January. It takes about 120 days to produce marketable curds from nursery sowing. The yield potential of this variety is 250 qt/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Gobhi-2	The marketable curds of this variety are available in October in the plains. The curds are yellowish and medium compact. The yield potential of this variety is about 100 q/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Pant Gobhi-3	This is a synthetic variety. This is classified as September maturity variety. Its marketable curds are available in September in the Northern plains. The curds are creamish white and non ricey. The yield potential of this variety is about 150 q/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
<b>TANU, Coimbatore</b>		
Ooty-1	Compact uniform curds with attractive creamy white in colour. Curds are free from ricyness and have good keeping quality. Average yield 47 t/ha.	Tamil Nadu



**CHENOPODIUM (BATHUA)**

Name of Variety/Hybrid	Salient Features	Recommended Area
IARI, New Delhi		
Pusa Bathua-1	Plants grow up to a height of 2.25 m, leaves and stems are purplish green, leaves are tender, first picking in 45 days after planting. Yield 300 q/ha.	NCR



## CHILLI



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Jwala	Plants are dwarf, bushy, light green, fruits 9-10 cm long, light green, ripe fruits light red, highly pungent, fairly tolerant to thrips and mites. Average yield 85 q/ha (green) and 18 q/ha (dry).	All over India
Pusa Sadabahar	Plants are erect, perennial (2-3 years), 60-80 cm tall, fruits are 6-8 cm long, borne in clusters with 6-14 fruits per cluster, ripe fruits dark red, highly pungent, resistant to CMV, TMV and leaf curl complex, first picking in 75-80 days after transplanting. Average yield 95 q/ha (green) and 20 q/ha (dry).	All over India
<b>IIHR, Bengaluru</b>		
Arka Lohit	Fruits are dark green turning deep red at maturity (Capsanthin 0.21%), Fruits are highly pungent (Capsaicin 0.71%). Suitable for irrigated and rainfed areas. Average yield 25 t/ha (Green Chilli) and 3 t/ha (Dry chilli).	Chhattisgarh, Odisha, Arunachal Pradesh, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Suphal	Fruits are green, smooth, medium long (6-7 cm x 1 cm), pendent, turning deep red at maturity. Suitable for irrigated and rainfed areas. Tolerant to powdery mildew. Average yield 25 t/ha (Green Chilli) and 3 t/ha (Dry Chilli).	M.P. and Maharashtra
Arka Harita	F <sub>1</sub> hybrid, Fruits are light with 10 cm and width 1cm. Dark green in colour and turn to red at maturity. Resistant to powdery mildew and viruses. Average yield 38.2 t/ha green chilli and 5.86 t/ha dry chilli.	Karnataka, Tamil Nadu and Kerala
Arka Meghana	CMS based high Yielding F <sub>1</sub> hybrid with resistance to powdery mildew and viruses Fruit length 10.6 cm and width 1.2 cm. Fruits are dark green and turn to red at maturity. Average yield 33.5 t/ha green chilli and 5 t/ha dry chilli.	Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, Arunachal Pradesh, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
Arka Sweta	CMS based high yielding F <sub>1</sub> hybrid for fresh market. Suitable for <i>kharif</i> & <i>rabi</i> seasons under irrigated conditions. Fruit length 11-12 cm, width 1.2-1.5 cm, smooth and medium pungent. Fruits are light green and turn red at maturity. Tolerant to viruses Duration 160 days. Yield 33 t/ha (fresh) and 5 t/ha (dry).	Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IIVR, Varanasi</b>		
Kashi Early	Plants are tall (100-110 cm height) without nodal pigmentation on dull green stems and bear pendant fruits. Fruits are long (8-9 x 1.0-1.2 cm), attractive, dark green and turn bright red at physiological maturity, pungent with smooth surface. First picking of the green fruits starts at about 45 days after transplanting. The average yield of this hybrid is 250 q/ha (red ripe).	Uttar Pradesh, Bihar, Madhya Pradesh, Jharkhand, Uttarakhand, Karnataka, Delhi, Punjab, Haryana, Andhra Pradesh and Chhattisgarh
Kashi Anmol	Plants are determinate, dwarf (60-70 cm) with nodal pigmentation on stem and bear green attractive pendant fruits. First picking starts from 55 days after transplanting, yield 200 q/ha.	Punjab, Uttar Pradesh, Bihar and Jharkhand
Kashi Surkh	Plants are semi determinate (1-1.2 m), erect and nodal pigmentation on stem. Fruits are light green, straight, length 11-12 cm, suitable for green as well as red fruit production. First harvest starts after 55 days of transplanting. Green fruit yield is 240 q/ha.	West Bengal, Assam, Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, Arunachal Pradesh, Rajasthan, Gujarat and Haryana
<b>HAU, Hisar</b>		
Hisar Shakti	Fruits are upright in clusters, pointed, thin, medium to long, highly pungent, tolerant to leaf curl mosaic virus, fruit rot and powdery mildew. Average yield 170-190 q/ha.	Haryana
Hisar Vijay	Early, fruit similar to Hisar Shakti but with blackish tinge on fruit surface under low temperature, tolerance like Hisar Shakti. Average yield 150-170 q/ha.	Haryana
<b>AAU, Anand, Gujarat</b>		
Chilli-101	The fruits are medium, pungent, long, compact and strait with green shining in colour, more shelf life and high ascorbic acid content. Average green fruit yield of 145 q/ha.	South Gujarat regions, M.P. and Maharashtra
Chilli-111	The fruits are attractive, medium to long, straight, pungent and slightly wrinkled surface with good shining. Average yield 121 q/ha.	Gujarat
Chilli-131	The fruits are elongated, straight, compact, short pedicel length, smooth shining surface and pointed blossom end. The fruits having light green in colour and non pungent with good aroma. Average yield 89 q/ha.	Gujarat
Chilli-112	The fruit of this variety are pungent, elongated straight, light green colour and semi wrinkled surface. Average yield 127 q/ha.	Gujarat
Chilli hybrid-1	The fruits of this hybrid are elongated straight with pointed blossom end having semi wrinkle surface and light green colour. Average yield 273 q/ha.	Gujarat





Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>G.B.U.A.&amp;T, Pant Nagar</b>		
Pant C-1	The green pod yield of this variety is 75 q/ha. The dry pod yield is about 15 q/ha. This variety is easily distinguishable from the other varieties because of the fact that it has upright fruiting pods. The pods are highly pungent, relatively small in size, broader at the base and narrow towards the tip. It is moderately resistant to mosaic and leaf curl virus. The green pod yield of this variety is 75 q/ha. The dry pod yield is about 15 q/ha.	All over India
<b>MPKV, Rahuri</b>		
Phule Jyoti	Plants are tall and spreading. Fruits are smooth and medium long. Tolerant to thrips, mites and wilt. Suitable for kharif season, average yield 250 q/ha. (Green)	Maharashtra
Phule Mukta	Resistant to powdery mildew and <i>fusarium</i> wilt. Fruits are small, dark green and smooth. Suitable for kharif season. Average yield 15 q/ha. (red dry)	Maharashtra
<b>TANU, Coimbatore</b>		
CO 1	Fruits are long and red at ripening, seed content 55%, samba type. Average yield 2 t/ha.	Tamil Nadu
CO 2	Fruits are oblong and bright red on ripening; seed content 60%, gundu type. Average yield 2 t/ha.	Tamil Nadu
K 1	Plants are bushy, pods green, long samba type, dark red on ripening. Average yield 2 t/ha.	Tamil Nadu
K 2	Plants are tall, compact, pods long and bright red on ripening; samba type high seed content. Average yield 2 t/ha.	Tamil Nadu
PMK 1	Suitable for semi-dry condition. Fruits contain high capsaicin 0.36%, gundu type. Average yield 3 t/ha.	Tamil Nadu
PKM 1	Hybrid derivative of the cross between AC. No. 1797 x CO. 1. It is suitable for cultivation under irrigated conditions. Bold pods, which are dark red in color. The number of pods per plant is 204 with 85 seeds per fruit. Average yield 3 t/ha. (Dry pod)	Tamil Nadu
MDU 1	Determinate growth. Fruits are borne in clusters of 4-9. Fruits are long, dark red and shiny. Average yield 2 t/ha.	Tamil Nadu
CO 3	Fruits are long, slender and dark green. Suitable for export. Average yield 4 t/ha.	Tamil Nadu
PLR 1	Suitable for green chilli. Average yield 19 t/ha. (Green)	Tamil Nadu
CO 4	Vegetable chilli, fruits are dark green, less pungent and suitable for high density planting. Average yield 3 t/ha. (Green)	Tamil Nadu
TNAU Chilli Hybrid CO 1	F1 hybrid developed by crossing Selection 1 x CA97. Fruits are long, smooth and dark green. It possesses 0.58% capsaicin. Suitable for green and dry chilli. Moderately resistant to fruit rot. Average yield 28 t/ha. (Green) and 7 t/ha. (Dry)	Tamil Nadu



## COWPEA



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Sukomal	Resistant to golden yellow mosaic virus and leaf spot diseases. Average yield 60 and 65 q/ha during summer and <i>kharif</i> seasons, respectively. Maturity in 55-60 days.	NCR
Pusa Komal	Plants are bushy and flower in 45 days after seed sowing. Pods are light green, tender, 25-30 cm long and suitable for both spring summer and rainy season cultivation. Plants are resistant to bacterial blight. Average yield 100-115 q/ha.	Uttar Pradesh, Bihar, Punjab and Haryana
<b>IIHR, Bengaluru</b>		
Arka Garima	Plants are tall, photo insensitive. Pods are light green, long, thick, round, fleshy and stringless. Suitable for vegetable purpose. Tolerant to heat and low moisture stress. Pod Yield 18 t/ha.	M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Samrudhi	Plants are erect, bushy, photo insensitive. Pods are green, medium thick, medium long round, tender, fleshy without parchment. Good cooking qualities. Pod Yield 19 t/ha.	Rajasthan, Gujarat, Haryana, Delhi, M.P. and Maharashtra
<b>IIVR, Varanasi</b>		
Kashi Kanchan	It is bush type and dwarf (50-60 cm height), photoperiod insensitive and early variety suitable for sowing in both spring-summer and rainy seasons. It flowers in 40-45 days and pods get ready for harvest in 50-55 days. It produces 40-45 pods per plant of 30-35 cm long. The pods are dark green, pulpy with less fibrous and free from parchment. The variety is resistant to cowpea golden mosaic virus and <i>Pseudocercospora cruenta</i> and produces about 150-200 q/ha green pods.	Punjab, U.P., Bihar, Jharkhand, M.P., Chhattisgarh, Odisha, A.P. and Maharashtra states
Kashi Unnati	It is a photoperiod insensitive, dwarf and bush type (40-45 cm height) early variety suitable for sowing in both spring summer and rainy seasons. It flowers in 30-35 days and pods get ready for harvest in 40-45 days. It produces 40-45 pods per plant of 30-35 cm long. The pods are fleshy with less fibrous, light green and free from parchment. The average pod yield is about 125-150 q/ha.	Uttar Pradesh

Name of Variety/Hybrid	Salient Features	Recommended Areas
Kashi Gauri	It is a dwarf and bush type (70-75 cm height), photo-period insensitive and early variety suitable for sowing in both spring-summer and rainy seasons. It flowers in 35-40 days and pods get ready for harvest in 45-50 days. It produces 35-40 pods per plant of about 25 cm long. The pods are fleshy with less fibrous, light green and free from parchment. The variety is resistant to cowpea golden mosaic virus and <i>Pseudocercospora cruenta</i> and produces about 100-125 q green pods per ha.	Uttar Pradesh
<b>AAU, Anand, Maharashtra</b>		
AVCP-1	Plant habit of the variety is bushy and compact with dark green foliage and broad leaves. The pods are medium size, tender and green in colour. Average yield 73 q/ha.	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura and Andaman & Nicobar Island
<b>TANU, Coimbatore</b>		
PKM-1	Pureline selection, semi trailing with very long pod (40-45 cm green pod yield. Average yield 25 t/ha.	Tamil Nadu



**CUCUMBER**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Uday	The fruits are 28% higher over check (Poinsette). Suitable for cultivation both in spring-summer and rainy seasons. Maturity in 50-55 days. Average Yield 155 q/ha.	NCR
Pusa Sanyog	Very early fruits 28-30 cm long, cylindrical, attractive, dark green with yellow spines, crisp flesh. First picking in 50 days. Yield 200 q/ha.	H.P., J&K and Uttarakhand
<b>G.B.U.A.&amp;T., Pant Nagar</b>		
Pant Sankar Khira-1	The fruits are long about 20 cm, cylindrical and green with light stripes. Vine length is about 120 cm. It takes 50 days to first picking the yield potential is 200 qt/ha.	U.P. and Uttarakhand
Pant Khira-1	The fruits are long (20 cm), cylindrical with light white stripes. The fruits attain first picking stage in 50-60 days. Recommended seed rate is 4 kg/ha. The yield potential is 150 q/ha.	U.P. and Uttarakhand
Pant Parthenocarpic khira-2	A parthenocarpic cucumber variety. It is suitable for poly house cultivation. No. of female flower per vine is 551. Average fruit wt. is 630 g and yield potential is 2107 qt/ha.	U.P. and Uttarakhand
Parthenocarpic khira-3	A parthenocarpic cucumber variety. It is suitable for poly house cultivation. No. of female flower per vine is 465. Average fruit weight is 415 g and yield potential is 1992 qt/ha.	U.P. and Uttarakhand
<b>MPKV, Rahuri</b>		
Himangni	Fruits are white in colour and resistant to bronzing, suitable for kharif season, average yield 180 q/ha.	Maharashtra
Phule Shubangi	Fruits are green in colour. Tolerant to powdery mildew, suitable for kharif season, average yield 180 q/ha.	Maharashtra
<b>TANU, Coimbatore</b>		
CO 1	Ripe fruits are bright yellow with greenish yellow intermitant stripes. Average yield 25-28 t/ha.	Tamil Nadu

## FRENCH BEAN



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Contender	Early, bush type, flowers pink, pods green, large with curved tips, stringless, meaty. Suitable for sowing in hills from April to June and in plains from last week of September to the beginning of October. First picking in 50 days. Yield 200 q/ha.	All over India
Pusa Parvati	Early, bush type, pods green, long with straight tips. Resistant to mosaic and powdery mildew. Suitable for sowing in hills from April to June and in plains from last week of September to first week of October and last week of January to first week of February, first picking in 50 days. Yield 225 q/ha.	All over India
<b>IIHR, Bengaluru</b>		
Arka Komal	Plants are erect and bushy, Photo insensitive, bright green stem and foliage. Flat, green straight pods. Good transportation and cooking qualities. Pod Yield 20 t/ha. Seed yield 1500 kg/ha.	H.P., J&K, Hills of U.P., M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Suvidha	Plants are bushy and photo insensitive, pods are straight, oval, light green, fleshy, string less and crisp. Pod Yield 19 t/ha.	H.P., J&K and Hills of U.P.
Arka Anoop	Plants are bushy, photo insensitive. Resistance to both rust and bacterial blight. Pods are long (17 to 18 cm), flat and straight. Pod Yield 20 t/ha.	All over India
<b>IIVR, Varanasi</b>		
Kashi Param	This variety has been developed through pure line selection. Plants are determinate (70 cm long) and leaves are dark green. Pod is fleshy, length 14.7cm, round, dark green, pod yield 120-140 q/ha.	J&K, H.P., Uttarakhand and M.P.
<b>G.B.U.A.&amp;T. Pant Nagar</b>		
Pant Anupma	Bushy, dwarf and upright with green foliage. The pods are tender, smooth, round, non stringy and translucent. The podding habit is such that the pods are fully covered by the leaf canopy and thus get protected against sunlight. The first picking in 55-65 days after sowing. It is moderately resistant to bean common mosaic virus and angular leaf spot. The yield potential is 90 q/ha green pods.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Bean -2	The green pods are flat round, straight and non stringy in the early stage. The seed are dark brown. Pant Bean -2 takes about 60 days for first green pod picking and about 130 days for seed maturity. It is moderately resistant to bean common mosaic virus. The green pod yield potential of this variety is 100 q/ha.	U.P. and Uttarakhand

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>MPKV, Rahuri</b>		
Phule Suyash	Attractive tender, straight to slightly curved smooth green pods. Tolernace to major pest and dieasease, suitable for kharif and rabi seasons, average yield 168 q/ha.	Maharashtra
<b>TANU, Coimbatore</b>		
TKD. 1	Pods are less fibrous. Seeds turn white on maturity. Average yield 6 t/ha. (Green pods) and 3 t/ha. (Dry seeds)	Tamil Nadu
YCD. 1	Plants are semi dwarf and bushy. Pods are slightly flat, long, broad and robust. Average yield 10 t/ha. (Green) and 6 t/ha. (Dry seeds)	Tamil Nadu
<b>CSAUAT, Kanpur</b>		
Azad Rjmash	Highly attractive, smooth pods, stringh less. Average yield 65-70 q/ha.	U.P.



## GARLIC



Name of Variety/Hybrid	Salient Features	Recommended Area
<b>NHRDF, Nasik</b>		
Agrifound white (G-41)	Bulbs are compact, silvery and white with creamy flesh. A bigger elongated clove with 20-25 in number and diameter of bulb is 3.5 to 4.5 cm. Variety is susceptible to purple blotch and stemphylium blight. Total soluble solid is 41%, dry matter 42.78% and pyruvic acid content is 27 micro mole/g. Good for storage and average yield is 130 q/ha.	Maharashtra and Madhya Pradesh
Yamuna Safed (G-1)	Bulbs are compact, silvery white skin with creamy flesh, diameter 4.0-4.5 cm. Sickle shaped cloves with 25-30 in number and diameter of cloves 0.8 to 1.00 cm. Variety is tolerant for purple blotch, stemphylium blight and thrips. Total soluble solid, dry matter and pyruvic acid content is 38% and 39.5% and 29 micro mole/g respectively. Good for storage and average yield 150-175 q/ha.	All over India
Yamuna Safed-2 (G-50)	Bulbs are compact, attractive, white creamy flesh and diameter 3.5-4.0 cm. Number of cloves 35-40, diameter of cloves 0.75-1.4 cm and clove size index 1.75-2.5 cm <sup>2</sup> . Total soluble solid, dry matter and pyruvic acid content is 38-40%, 40-41% and 26 micro mole/g respectively. Average yield 150-200 q/ha.	Northern India, Punjab, Haryana and Madhya Pradesh
Yamuna Safed-3 (G-282)	Bulbs are creamy white and bigger sized and 4.5-6 cm in diameter. Diameter of clove 1.2-1.5 cm and cloves/bulb is 15-16. Total soluble solid, dry matter and pyruvic acid content is 38- 42%, 39-43% and 25 micro mole/g respectively. Medium in storage and average yield 175-200 q/ha/Variety is suitable for export.	Madhya Pradesh, Maharashtra, Haryana, Gujarat, Punjab, Rajasthan, Uttar Pradesh and Chhattisgarh
Yamuna Safed-4 (G-323)	Bulbs are silvery white and bigger sized 3.5-4.0 cm in diameter. Diameter of clove 1.2-1.25 cm, clove size index 2.50-3.00 cm <sup>2</sup> and number of cloves 20-25/bulb. Total soluble solid and dry matter content is 40-42% and 41-42% respectively. Average yield 175-200 q/ha.	North India and Madhya Pradesh
Yamuna Safed-5 (G-189)	Dark green straight erect leaves, sturdy plant growth, erect shape wide 8-10 leaves/plant. Bulbs compact, attractive creamy white colour, creamy flesh, big size bulbs (4.5-5.0 cm in diameter) and cloves, oblong shape, number of cloves per bulbs 22-30. Variety is table purpose pungent with good aroma. Total soluble solids and dry matter content is 39% and 41 % respectively. Good storer and better adaptability and tolerant to stemphylium blight, purple blotch and thrips under field condition. Average yield 150-160 q/ha.	North East and Andaman & Nicobar, Island, Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana and Delhi



Name of Variety/Hybrid	Salient Features	Recommended Area
Agrifound Parvati (G-313)	Bulbs are of bigger in size 5.0-6.5 cm in diameter, creamy white colour with pinkish tinge, diameter of cloves 1.5-1.8 cm, 10-16 cloves/bulb. Total soluble solid, dry matter and pyruvic acid content is 35-36%, 37-38% and 22-23 micro moles/g respectively. Medium in storage and average yield 175-225 q/ha.	Himachal Pradesh, Uttar Pradesh, Uttarakhand and Northern hills
Agrifound Parvati-2 (G-408)	Bulbs are of bigger in size 5.0-6.0 cm in diameter, creamy white color, diameter of cloves 1.5-1.6 cm, 1-14 cloves/ bulb. Total soluble solid, dry matter and pyruvic acid content is 36-37%, 37-38% and 22-23 micro moles/g respectively. Average yield 175-200 q/ha.	Himachal Pradesh, Uttarakhand, J&K and Sikkim
<b>DOGR, Rajguru Nagar, Pune</b>		
Bhima Omkar	Average yield of the variety is 107 q/ha.	Gujarat, Haryana, Rajasthan and Delhi
Bhima Purple	The bulbs are purple in colour with TSS 33.6% and alliin @ 2.9 mg/g (fresh weight basis) and 9.6 mg/g (dry weight basis). The average yield 68 q/ha.	Delhi, U.P., Haryana, Bihar, Punjab, Maharashtra, Karnataka and Andhra Pradesh
<b>G.B.U.A.&amp;T., Pant Nagar</b>		
Pant Lohit	It is moderately resistant to purple blotch. Bulbs are compact and bold weighing 18-20 g. There are 15-18 cloves per bulb having light purple colour. It is a high yielder with the bulb yield of 125-130 q/ha.	U.P. and Uttarakhand
<b>HAU, Hisar</b>		
HG-17	High yielding, good storage life, bulb weight is better than over varieties and has least incidence of purple blotch disease. Average yield 120-125 q/ha.	Haryana
<b>TANU, Coimbatore</b>		
Ooty. 1	Bigger bulbs weighing 30-40 g each. Average yield 17 t/ha.	Tamil Nadu





**IVY GOURD (KUNDRU)**

Name of Variety/Hybrid	Salient Features	Recommended Area
<b>IGKY, Raipur, Chhattisgarh</b>		
Indira kundru-05	Fruits are oblong size, green colour with white strips Suitable for table purpose. Average yield 1019 q/ha.	Chhattisgarh Plains
Indira kundru-35	Long sized and light green fruits. Suitable for table purpose. Average yield 936.88 q./ha.	Chhattisgarh Plains

**KNOL KHOL**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Purple Vienna	Early, dwarf, knobs globular, purplish, greenish white flesh, maturity in 50-60 days after transplanting.	All over India
White Vienna	Early, dwarf, stems and leaves medium green; knobs globular to flattened globe, light green, creamy white flesh with delicate flavour. Yield 220 q/ha.	All over India



## LAB LAB BEAN



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Sem-2	Pods are dark green, very tender, stringless, semi round, 16 to 17 cm long with 5-6 seeds per pod, 11-12 pods/spike; excellent organoleptic quality. Highly tolerant to viruses, anthracnose, aphid, jassid, pod borer and frost. First picking in 120-125 days. Yield 150 q/ha.	NCR
Pusa Sem-3	Pods green, meaty, very tender, string less, flat, 15 cm long with 5-6 seeds/pod, 9-10 pods/cluster; excellent organoleptic quality. Tolerant to viruses, anthracnose, aphid, jassid and pod borer. First picking in 115-120 days. Yield 170 q/ha.	NCR
<b>IIHR, Bengaluru</b>		
Arka Jay	Plants are dwarf, bushy, erect and photo insensitive. Pods are long, light green slightly curved, without parchment. Vegetable type with excellent cooking qualities. Tolerant to low moisture stress. Pod Yield 12 t/ha.	Karnataka, Tamil Nadu and Kerala
Arka Vijay	Plants are dwarf, bushy, erect and photo insensitive. Pods are short dark green. Seeds are bold. Pods with characteristic aroma without parchment. Vegetable type with excellent cooking qualities. Tolerant to low moisture stress. Pod Yield 12 t/ha.	Karnataka, Tamil Nadu and Kerala
<b>HAU, Hisar</b>		
Hisar Kirti	Early variety, pods are flat, dark green in colour with better shelf life. Average yield 200-220 q/ha.	Haryana
<b>J.A.U., Junagadh</b>		
GJIB-2	The pods of this variety are flat and medium to long in shape with green colour. Suitable for late kharif (15th Aug to 15th Sept). Average yield 112 q/ha.	Gujarat
<b>CSAUAT, Kanpur</b>		
Kalyanpur type 2	Light green colour pod, leaves broad in size with white flower. Average yield 250-300 q/ha.	U.P.
Rajni	Stem colour purple in early stage, flower in purple colour pods are dark green. Average yield 150-175 q/ha.	U.P.
Azad Sem-1	Flower white 10-14 pods/punch, resistance to YMV. Average yield 125-130 q/ha.	U.P.

**LETTUCE**

Name of Variety/Hybrid	Salient Features	Recommended Area
<b>IARI, New Delhi</b>		
Great Lakes	Heading type, large firm heads, leaves dark green, blistered, resistant to tip burn.	All over India
Chinese Yellow	Early, loose leaf variety; leaves light green, crisp, tender.	All over India

**LONG MELON**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IIHR, Bengaluru</b>		
Arka Sheetal	Fruits are medium to long (length 22 cm and girth 7.8 cm) with light green skin colour covered with soft hair. Each fruit weighing 90-100 g at marketable stage. Free from bitter principles with crisp texture. Seeds light colour. Yield 35 t/ha.	Karnataka, Tamil Nadu and Kerala
<b>HAU, Hisar</b>		
Karnal Selection	A prolific bearer, fruits are tender light green, long thin, flesh crisp with good flavour. Average yield 90-100 q/ha.	All over India
<b>G.B.U.A.&amp;T., Pant Nagar</b>		
Pant Kakri-1	The vines are vigorous with long light green straight fruits. It is free from common diseases and insects. The first green immature fruit picking is possible in 50 days after sowing. Seed to seed stage is about 90 days. Yield potential is 300 q/ha.	U.P. and Uttarakhand



## MUSK MELON



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Madhuras	Fruits are roundish-flat, each weighing 1 kg, sparsely netted with pale green strips, flesh is salmon-orange, juicy with 12-14% TSS. It has poor keeping quality. First picking starts 90-95 days after sowing. Average Yield 150-170 q/ha.	Punjab, U.P., Bihar, Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Pusa Sharbati	Fruits are round with green stripes on moderately netted skin, weighs 0.9 to 1 kg, good keeping quality; flesh thick, bright orange with narrow seed cavity, cantaloupe flavour, sweet (T.S.S. 10-12%), maturity 80-85 days. Yield 160 q/ha.	Punjab, Delhi, Rajasthan, U.P., Assam and West Bengal
<b>IIHR, Bengaluru</b>		
Arka Jeet	Round but flat at both the ends. Skin colour dark green at early stage of fruit development, which turns into golden orange at full slip stage. Flesh white, medium texture, excellent flavour with high TSS (13-16%). Yield 14-15 t/ha.	Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
Arka Rajahans	Fruits medium large, round to slightly oval, creamy white skin, netted with shallow vein tracks at full slip stage. Fruit skin white with green vein tracts when immature. Flesh white with pink seed cavity, crisp texture and mild flavour when ripe. Average fruit weight 1 kg with 2-3 fruits per plant. Yield 25 t/ha.	Karnataka, Tamil Nadu and Kerala
<b>IIVR, Varanasi</b>		
Kashi Madhu	Plants have medium vine and leaves sparsely lobed and dark green, fruits are round, with open prominent green sutures, weight 650-725 g, half-slip in nature, thin rind, smooth and pale yellow at maturity, flesh salmon orange (mango colour), thick, very juicy, T.S.S. 13-14% and seeds are loosely packed in the seed cavity. Postharvest life is long with good transportability, tolerant to powdery and downy mildew, medium maturity and yield 200-270 q/ha.	U.P., Punjab and Jharkhand
<b>AAU, Anand, Gujarat</b>		
Gujarat Muskmelon-3	The fruits are oblong shape and it has soft, attracting green flesh textured with sweet taste and good aroma having 12% TSS. Average yield 127.05 q/ha.	Punjab, Tarai region of U.P., Bihar, Jharkhand, M.P. and Maharashtra

## OKRA



Name of Variety/Hybrid	Salient Features	Recommended Area
<b>IARI, New Delhi</b>		
Pusa Sawani	Fruits are smooth with 5 ridges, dark green and 18-20 cm long when fully developed. It is distinguished by the presence of a purple patch at the base of the yellow petal on both the sides. It is free from the YVMV under field conditions and is suitable for plains of northern India in virus-free period (spring-summer seasons). In hills, it can be sown from April to May depending on the altitude. Average Yield 150-175 q/ha.	All over India
Pusa A 4	Tolerant to yellow vein mosaic virus, tolerant to aphids and asides, fruits dark green, 12-15 cm long, first picking in 45 day. Yield 140 q/ha.	All over India
Perkins Long Green	Plants very tall, leaves thick, with rough surface; fruits bright green, along with eight edges. Suitable for hilly areas only.	All over Hills
<b>IIHR, Bengaluru</b>		
Arka Abhay	Fruits are lush green, tender and long, free from spines having delicate aroma. Good keeping and cooking qualities. Field tolerant to Yellow Vein Mosaic Virus (YVMV). Yield 18 t/ha.	West Bengal and Assam
Arka Anamika	Fruits are lush green, tender and long, free from spines having 5-6 ridges, delicate aroma. Good keeping and cooking qualities. Field tolerant to YVMV. Yield 20 t/ha.	All over India
<b>IIVR, Varanasi</b>		
Kashi Pragati	Plants are tall, height 130-175 cm, with 1-2 effective branches. First flower appears after 36-38 days after sowing on 4th nodes during rainy season and 3rd node during summer season. Fruits are 8-10 cm in length at marketable stage, 23-25 per plants and yield 180-190 q/ha during rainy and 130-140 q/ha during summer season.	Chhattisgarh, Odisha and A.P.
Kashi Vibhuti	Dwarf growth, 60-70 cm plant height during rainy and 45-50 cm during summer season. It bears 2-3 branches with short inter-nodal length. Flowering starts on 4th to 5th nodes after 38-40 days after sowing. A plant bears 18-22 fruits with 8-10 cm length at marketable stages, yield 170-180 q/ha.	Rajasthan, Gujarat, Haryana and Delhi
Kashi Kranti	Medium to tall in growth having 2-3 branches. First flower appears after 39-41 days after sowing on 5th nodes during rainy season and 4rd node during summer season. Average fruits/plant are 21-23 having dark green in colour and 10-11 cm in length. Yield potential is 140-150 q/ha.	Uttar Pradesh, Bihar, Jharkhand and Punjab



Name of Variety/Hybrid	Salient Features	Recommended Area
<b>HAU, Hisar</b>		
Varsha Uphar	Plants are medium to tall, suitable for rainy season, fruiting starts on third/fourth node, resistant to yellow vein mosaic disease. Average Yield 90-100 q/ha.	All over India
Hisar Unnat	Suitable for rainy season, fruiting starts on third/fourth node, resistant to yellow vein mosaic disease. Average yield 100-110 q/ha.	All over India
Hisar Naveen	High yielding variety, tolerant to YVM virus disease and suitable for rainy season. Average yield 110-120 q/ha.	All over India
HBH-142 (F <sub>1</sub> hybrid)	High yielding hybrid, suitable for rainy season, fruiting start on third/fourth node, resistant to yellow vein mosaic disease. Average yield 135-150 q/ha.	All over India
<b>AAU, Anand, Gujarat</b>		
Gujarat Anand Okra-5	The fruits of this variety are dark green colour with attractive shape and size. The variety has less YVMV and low population of sucking pest. Average yield 141.11 q/ha.	Middle Gujarat
<b>MPKV, Rahuri</b>		
Phule Utkarsha	Fruits are gree, straight, slender and shinny. Suitable for kharif and summer seasons, average yield 231 q/ha.	Maharashtra
<b>TANU, Coimbatore</b>		
CO 1	Plants are medium tall, pods pink, long tender and less fibrous, tolerant to yellow vein mosaic. Average yield 14 t/ha.	Tamil Nadu
CO 2	Fruits fairly long with hairy surface. Average yield 17 t/ha.	Tamil Nadu
CO 3	Fruits are medium in size and dark green. Moderately resistant to yellow vein mosaic disease. Average yield 18 t/ha.	Tamil Nadu
COBH 1	F <sub>1</sub> hybrid developed by crossing Varsha Uphar x PA 4(T) Dark green long fruits, slender, less fibrous and sparsely pubescent. Resistant to YVMV disease. Average yield 23 t/ha.	Tamil Nadu
<b>CSAUAT, Kanpur</b>		
Azad Bhindi -1	Resistant to YMV, Early fruiting. Average yield 100-125 q/ha.	U.P.
Azad Bhindi-3	Red fruit suitable for both crop less susceptible to YMV. Average yield 125-150 q/ha.	U.P.



## ONION



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa White Flat	Bulbs are medium-large, flattish round with attractive white colour, 12-14% TSS and good keeping quality. This variety has yield potential of 300-325 q/ha 120-130 days of crop duration.	All over India
Pusa White Round	Bulbs medium in size, roundish with attractive white colour, T.S.S. 12-14%; very good keeping quality; maturity 125-130 days after transplanting.	All over India
Pusa Red	Plants are 55-65 cm tall with 6-9 leaves per plant. Bulbs are bronze red in colour, flat globular in shape with 12-13% TSS content, weight 70-90 g, measure 5-6 cm across, less pungent and quite firm with good keeping quality. Average Yield 250-300 q/ha in 125-140 days of crop duration.	Punjab, U.P. and Bihar, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
Pusa Ratnar	Plants are 30 cm tall and dark green leaves with waxy bloom. Bulbs are bronze deep red, more exposed (above the ground at maturity), obviate to flat-globular, less pungent with 12% TSS and drooping neck with good storage quality. Average Yield 325-350 q/ha in 150 days of crop duration.	All over India
Pusa Madhvi	Plant are tall, bulbs are light red, flattish round with TSS 11-13%. Bulbs mature in 130-145 days, Average Yield 300-325 q/ha in 135 days of crop duration.	Madhya Pradesh and Maharashtra
Sel. 126	Compact, flat globe, and brownish coloured bulbs. Average equatorial diameter of bulbs ranges from 4.5-6.0 cm, polar diameter ranges from 4.8-6.5 cm and single bulb weight ranges from 70.0 - 100.0 g. The variety is with high TSS, average around 17° ± 2 Brix. The variety is suitable for storage, drying, processing and export. Average yield is 25 t/ha.	Delhi, U.P., Haryana, Bihar, Punjab, Rajasthan, Gujarat, M.P., Chhattisgarh and Odisha
<b>IIHR, Bengaluru</b>		
Arka Kalyan	Flat globe shaped bulbs with medium large size. Deep red coloured outer scales and fleshy succulent internal scales. Average bulb weight 130-180 g. Pungent with TSS 11-13%. Moderately resistant to purple blotch caused by <i>Alternaria porii</i> . Yield 45 t/ha.	Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
<b>NBPGR, New Delhi</b>		
Pusa Ratnagar	Bulbs are red, globular in shape and less pungent. Bulbs mature 125 days after transplanting. Total soluble solid 11-12%. Keeping quality average. Average yield 300 q/ha.	Punjab, Tarai region of U.P., Bihar, Jharkhand, M.P. and Maharashtra



Name of Variety/Hybrid	Salient Features	Recommended Areas
Arka Niketan	Globe shaped bulbs with thin neck. Medium large size bulbs of attractive red coloured outer scales, inner scales arranged in tight concentric rings. Average bulbs weight 100-180 g. Bulbs very firm, highly pungent with TSS 12-14%. Excellent keeping quality (3-4 months). Average yield 37 t/ha.	Punjab, Tarai region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
<b>NHRDF, Nasik, Maharashtra</b>		
Agrifound Dark Red	kharif onion grown in Nasik. Bulbs are dark red in colour, globular in shape with tight skin with moderately pungent. Bulb diameter is 4-6 cm. Total soluble solid 12-13 % and Pyruvic acid 10.07 micro mole/g. It is also suitable for bulblets production for early Kharif crop. Mature in 95-110 days after transplanting. Average yield 300 q/ha.	All over India
Agrifound Light Red	Rabi onion grown in Dindori area of Nasik. Bulbs are globular in shape with tight skin, light red colour and 4-6 cm in diameter. Total soluble solid 13-14% and Pyruvic acid 12.20 micro mole/g. Mature in 110-120 days after transplanting and keeping quality good. Average yield 300-325 q/ha.	All over India
NHRDF-Red (L-28)	Bulbs are attractive very dark red in colour and 4.5-6 cm diameter. Total soluble solid is 13-14%. Variety is very popular among farmers because of its higher yield, attractive dark red colour of bulbs and better storage performance. Mature in 110-120 days after transplanting. Average yield 250-300 q/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, M.P., Chhattisgarh, Goa, Gujarat and Maharashtra
NHRDF Red-2 (L-355)	Plant straight, erect leaves, light red bulbs colour, globular round shape, thin neck and 4.0-6 cm in diameter. Total soluble solid 13-14% and Pyruvic acid 12.0 micro mole/g. Mature in 100-120 days after transplanting and keeping quality good. Moderately resistant to foliar diseases like stemphylium blight. Average yield 300-350 q/ha.	Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim, Tripura, Andaman & Nicobar Island, Punjab, Tarai Region of U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana and Delhi
Agrifound White	White onion grown during rabi season in Nimar area of Madhya Pradesh. Bulbs are globular in shape, tight skin, silvery attractive white colour and 4-6 cm in diameter. Total soluble solid more than 15% and Pyruvic acid 12 micro mol/g. Mature in 110-130 days after transplanting and keeping quality good. Average yield 250-300 q/ha and suitable for late Kharif and Rabi seasons.	Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, M.P. and Maharashtra
Agrifound Rose	Bulbs are globular round in shape, deep scarlet red in colour and 2.5-3.5 cm in size. Mature in 95-110 days from seed sowing. Total soluble solid is 16-18% and Pyruvic acid 10.27 micro mol/g. Average yield 190-200 q/ha.	Andhra Pradesh and Karnataka





Name of Variety/Hybrid	Salient Features	Recommended Areas
Agrifound Red	Average size of cluster is 7.15 cm with weight of 65-67 g. Average numbers of bulblets per cluster 5.79. Size of bulblets are 3.64 cm, and average weight of single bulblets is 8.85 g. Colour of bulblets are light red. Total soluble solid is 17-19% and Pyruvic acid 10.13 micro mole/g. Mature in 65-67 days after planting. Average yield 180-200 q/ha.	Karnataka, Tamil Nadu and Kerala
<b>PAU, Ludhiana, Punjab</b>		
Punjab Selection	Bulbs are red, globular in shape, 5-6 cm in diameter and quite firm. Bulbs mature in 105-120 days after transplanting. Total soluble solid 14%. Keeping quality good. Average yield 200 q/ha. Recommended for rabi season.	Punjab, Tarai region of U.P., Bihar, Jharkhand, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Punjab Red Round	Bulbs are shining red, medium to large in size and round in shape. Early maturing and high yielding variety. Keeping quality medium. Total soluble solid 12-14%. Average yield 200-250 q/ha. Recommended for rabi season.	Punjab, Tarai region of U.P., Bihar and Jharkhand
Punjab-48	Bulbs are white and flattish round. Bulbs matures in 120-130 days. Keeping quality medium. Total soluble solid 11-12%. Average yield 300 q/ha. Recommended for rabi season.	Punjab, Tarai region of U.P., Bihar and Jharkhand
<b>CSA, Kanpur</b>		
Kalyanpur Red Round	Bulbs are bronze red, globular in shape. Bulbs mature in 105-120 days after transplanting. Keeping quality good. Total soluble solid 13-14%. Average yield 250-300 q/ha. Recommended for rabi season.	Punjab, Tarai region of U.P., Bihar and Jharkhand
<b>RAU, Udaipur</b>		
Udaipur-103	Bulbs are red but lighter than Udaipur 101, oblate globular shape. Bulbs mature in 100-110 days after transplanting. Keeping quality is medium. Total soluble solid 12-14%. Average yield is 200-300 q/ha. Recommended for rabi season.	Rajasthan, Gujarat, Haryana and Delhi
Udaipur-102	Bulbs are white, round to flat in shape and 4.5-6.5 cm in size. Bulbs mature 120 days after transplanting. Keeping quality is medium. Total soluble solid 12%. Average yield 300-500 q/ha. Recommended for rabi season.	Rajasthan, Gujarat, Haryana and Delhi
<b>Department of Agriculture, Maharashtra</b>		
N-53	Bulbs are red, flattish round in shape, medium to large and mildly pungent. Bulbs mature in 90-100 days after transplanting. Keeping quality is poor. Total soluble solid 11-12%. Average yield 250 q/ha. Recommended for rabi seasons.	All over India
<b>MPKV, Rahuri, Maharashtra</b>		
Baswant-780	Bulbs are crimson red, globe in shape, mildly pungent, less bolting and twins. Average yield 350 q/ha.	Maharashtra
Phule Samarth	Bulbs are dark red, globular round shape, thin neck. Bulbs mature in 100-110 days after transplanting. Keeping quality is medium. Average yield 200-250 q/ha. Recommended for kharif and early rabi.	Maharashtra and Madhya Pradesh



Name of Variety/Hybrid	Salient Features	Recommended Areas
Phule Survarna	Bulbs are yellow, medium to big size, less pungency. Keeping quality is good. Total soluble solid 11.5%. Average yield 240 q/ha. Recommended for late kharif and rabi season.	Maharashtra and Madhya Pradesh
Phule Safed	Bulbs are white and globular in shape. Bulbs mature in 120-130 days after transplanting. Total soluble solid 13%. Suitable for dehydration. Average yield 250-300 q/ha. Recommended for rabi season.	Maharashtra and Madhya Pradesh
<b>TNAU, Coimbatore, Tamil Nadu (Multiplier)</b>		
CO 1	Red colour medium in size bulblets, 7-8 per plant. Average weight of bulblets in 55-60 g/clump. Bulbs mature in 90 days after sowing. Fairly pungent with medium total soluble solid. Average yield 100 q/ha. Recommended for kharif and rabi seasons.	Karnataka, Tamil Nadu and Kerala
CO 2	Bulblets are crimson colour, moderately bigger size, 7-9 bulblets/plant. Average weight of bulblets is 60-65 g per clump. Bulblets mature in 65 days after sowing. Pungent with high total soluble solid. Keeping quality is good. Average yield 120 q/ha. Moderately resistant to thrips and Alternaria blight. Recommended for kharif and rabi seasons.	Karnataka, Tamil Nadu and Kerala
CO 3	Bulblets are pink in colour, bigger than Co-2 and 8-10 bulblets / plant. Average weight is 75 g/clump. Bulblets matures in 65 days after sowing. Keeping quality is good. Total soluble solid 13%. Average yield is 160 q/ha. Moderately resistant to thrips. Recommended for kharif and rabi seasons.	Karnataka, Tamil Nadu and Kerala
MDU-1	Bulbs are bright red, uniform, big size and 10-11 bulblets/plant. Average weight of bulblets is 75 g/clump. Bulblets mature in 60-75 days after sowing. Keeping quality is good. Average yield is 150 q/ha. Tolerant to lodging due to thick erect leaves. Recommended for kharif and rabi seasons.	Karnataka, Tamil Nadu and Kerala
Co-4	Bulbs are light brown, 8-10 bulblets/plant. Average weight is 90 g/clump. Bulbs mature in 60-65 days after sowing. Average yield 180 q/ha. Moderately resistant to thrips. Recommended for kharif and rabi seasons.	Karnataka, Tamil Nadu and Kerala
Co-5	Bulbs are attractive pink high yielding with bold bulblets. It is free flowering type with seed setting ability and can be propagated through seeds as well as bulblets. Average yield 189 q/ha. Recommended for kharif and rabi seasons.	Karnataka, Tamil Nadu and Kerala
<b>HAU, Hisar</b>		
Hisar-2	Bulbs are bronze-red in colour, flattish globular in shape, more pungent, better shelf life. Average yield 200-250 q/ha.	All over India
Hisar Onion-3	Bulbs are globular shaped, tight skinned with thin neck, high yield, less bolting, good storage life. Average yield 320-350 q/ha.	Haryana



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>DOG Research, Rajguru Nagar, Pune</b>		
Bhima Raj	Dark red and oval shaped bulbs with single centre and thin neck. The TSS range is from 10.0 to 11.0%. Fruit matures within 120-125 days after transplanting with absolutely no bolters with average yield ranges from 25-30 t/ha with high percentage of marketable bulbs during rabi. It can be stored up to 3 months during rabi season. The highest yield potential is 40-45 t/ha.	Rajasthan, Gujarat, Haryana and Delhi
Bhima Red	Bulbs are attractive red in colour with round shape. TSS ranges from 10.0 to 11.0%. Bolters are less than 5% during late kharif and almost no bolters during rabi. It can be stored up to 4 months during late kharif season. This variety can be grown during rabi season also for immediate marketing as it can be stored up to 3 months during rabi. It matures in about 115-120 days after transplanting during late kharif and rabi season. Average yield in late kharif season range from 48.0-52.0 t/ha.	Maharashtra, M.P., Karnataka and Gujarat
Bhima Super	Bhima Super is suitable for kharif season and can be cultivated during late kharif. The variety possesses medium red coloured round bulbs with tapering towards neck. The TSS is from 10-11%. Bulbs attain maturity after 100-110 days after transplanting during kharif season. The variety produces quality bulbs with maximum number of single centered bulbs with an average yield of 26-28 t/ha in kharif and 40 to 45 t/ha in late kharif cultivation.	Maharashtra, Karnataka and Gujarat
Bhima Kiran	Bulb attains immediate light red colour after harvest. Bulbs are oval to round in shape, have very less number of bolters and doubles in rabi (less than 5%), thin neck, TSS 12%, good keeping quality suitable for storage up to 5-6 months. Matures in 130 days after transplanting. The average marketable yield potential is up to 41.5 t/ha during rabi season with national average yields of 30.3 t/ha.	Delhi, U.P., Haryana, Bihar, Punjab, Maharashtra, Karnataka and A.P.
Bhima Shakti	Suitable for late kharif as well as rabi season. Bulbs attains immediate attractive red colour after harvest. Shape is round. Very less number of bolters 2.15% & 0.36% and doubles 5.69% & 1.38% during late kharif and rabi season, respectively. TSS 11.8%. Small to medium neck thickness, uniform neck fall during rabi and more than 70% neck fall during late kharif. Bulbs have very good storage life up to 5-6 months. Bulbs mature in 130 days after transplanting during late kharif and rabi season. It is tolerant to thrips. Marketable yield during late kharif is 45.9 t/ha and during rabi 42.7 t/ha in Maharashtra with national average yield of 29.18 t/ha during rabi season.	Delhi, U.P., Haryana, Bihar, Punjab, Rajasthan, Gujarat, M.P., Chhattisgarh, Odisha, Maharashtra, Karnataka and Andhra Pradesh



Name of Variety/Hybrid	Salient Features	Recommended Areas
Bhima Shweta	Bulbs are attractive white in colour, round in shape, very less number of bolters and doubles less than 3% in rabi season, thin neck, TSS 11.5%, matures in 110-115 day after transplanting during rabi, medium in keeping quality up to 3 months during rabi season. Average marketable yield during rabi season is 35.9 t/ha with national average yield of 28.2 t/ha. It is tolerant to thrips.	Delhi, U.P., Haryana, Bihar, Punjab, M.P., Chhattisgarh, Odisha, Maharashtra, Karnataka and Andhra Pradesh
Bhima Shubra	Bulbs are attractive white in colour, oval to round in shape bulb, have less number of bolters up to 6% during late kharif and no bolters during kharif and doubles less than 3% in late kharif and krarif season, thin neck, TSS 10.4% in kharif and 11.7% in late kharif, matures in 112 day after transplanting during kharif and 125 days in late kharif. Bulbs can be stored for 2-3 months during late kharif. It has capacity to tolerate environmental fluctuation, hence can be cultivated in all the three seasons. Average marketable yield during kharif is 24.16 t/ha and during late kharif 38.9 t/ha can fill the gap for processing from October to February.	Maharashtra
<b>TANU, Coimbatore</b>		
CO 2	Bulbs are bigger (10-15 g) and crimson in colour; photo insensitive type. Average yield 12 t/ha.	Tamil Nadu
CO 3	Bulbs are light pink, bold (10-15 g) bulbs store well for 120 days. Average yield 16 t/ha.	Tamil Nadu
CO 4	Bulbs are light pink, bold (12-15 g) with better consumers' appeal bulbs store well for 150 days. Average yield 19t/ha.	Tamil Nadu
CO (On) 5 (Seed propagated)	Bulbs redish pink, bold, 80-90 g/cluster. Average yield 300 kg/ha. (Seed) and 19 t/ha. (Bulb)	Tamil Nadu



**PALAK**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Bharati	Leaves smooth, tender, green, without any red pigmentation; higher vitamin B and C content than Pusa Jyoti; leaves ready for first picking 30-40 days; recommended for cultivation in winter and early-spring in north India. Yield 500 q/ha.	All over India
Pusa Jyoti	Leaves thick, dark green, fleshy, puckered, giant size, wavy margins; late bolter; rich in vitamins and minerals. Suitable for September sowing. Yield 425 q/ha.	All over India
Pusa Harit	Plants are erect leaves upright, thick, dark green, slightly wavy margins, short petiole quick rejuvenation after cuttings; bolting very late. Under hill conditions, if grown during summer, continues to give leaf cuttings throughout the year. Yield 260 q/ha.	All over India
<b>TANU, Coimbatore</b>		
Ooty. 1	Higher carotene in content. Rich in vitamins.	Tamil Nadu

**PARSLEY**

Name of Variety/Hybrid	Salient Features	Recommended Area
<b>IARI, New Delhi</b>		
Moss Curled	Plants are dwarf, compact, leaves dark green, exceedingly fine-cut, serrated and deeply curled. Excellent for garnishing and decorative purposes.	All over India

## PEA



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Bonneville	Plants are medium-tall, flower in 55-60 days after seed sowing with two pods per peduncle. Pods are light green, straight, 8-9 cm long, having 6-7 grains per pod with 45% of shelling. Seeds are green and wrinkled. Average yield 65-70 q/ha.	All over India
Arkel	Plants are dwarf (35-45 cm), bear double pods at lower nodes and solitary at upper nodes. Pods are attractive, dark green, 8-9 cm long, curved towards suture at distal end (sickle shaped), well filled with 7-8 seeds/pods with 40% shelling, suitable for fresh market and dehydration. Plants are highly susceptible to collar rot if sown under high temperature. Average yield 75-80 q/ha in 50-55 days of crop duration.	All over India
Pusa Pragati	Pods are long (10 cm), green with 9 seeds per pod, first picking in 60-65 days, resistant to powdery mildew. Yield 70 q/ha.	All over India
<b>IIHR, Bengaluru</b>		
Arka Ajit	Pods are 8-9 cm long, seeds bold, green and sweet. Resistant to both powdery mildew and rust, Pod Yield 10 t/ha.	Punjab, Tarai region of U.P., Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
<b>IIVR, Varanasi</b>		
Kashi Nandini	This is the earliest variety in the seed chain of the country. Average plants height 50 cm and 50% plants bear flowers at 31 days after are sowing. Plants are erect dark green having 7-8 pods/plant. Pods are 8-9 cm long, attractive, well filled having 8-9 seeds with shelling percentage 49-50. First harvesting can be done after 55 days of sowing. Average yield 75-80 q/ha.	J&K, H.P., Uttrakhand, Punjab, Tarai region of U.P., Bihar, Jharkhand, Karnataka, Tamil Nadu and Kerala
Kashi Uday	Plants height are 60-65 cm and 50% plants flowering takes 34-35 days after sowing. Plants have dark green foliage and short internode with 8-10 pods/plant. Pods are 9-10 cm long, attractive with 8-9 bold seeds/pod, with shelling percentage 50-51. Harvesting start from 58-60 days after sowing and total yield of 85-90 q/ha can be obtained in 3-4 picking.	Uttar Pradesh

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>G.B.U.A.&amp;T., Pant Nagar</b>		
Pant Uphar	This variety is of intermediate duration between early cultivar Arkel and late maturing cultivar Bonneville. It is a vegetable variety which might fill the gap in time duration between the two dominant cultivars, i.e. Arkel and Bonneville. The first green pod picking in this variety is available in 75-80 days after sowing. The yield potential is about 100 q/ha.	U.P. and Uttarakhand
Pant Matar-2	This is an early maturing variety. The first green pod picking is possible after 60 days of sowing. This variety is equivalent to Arkel in maturity duration and other features and gives about 10 percent higher yield than Arkel. The yield potential is about 100 q/ha.	J&K, H.P., Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Sabji Matar-3	Pods are long curved and well filled. Seeds are wrinkled with green seed coat colour. The first picking of green pods in 60-65 day and thus Pant Sabji Matar-3 is of Arkel duration and belongs to early maturity group of pea varieties. Days to seed maturity vary from 110-120 days. Pant Sabji Matar-3 has longer pods than those in Arkel (about 9 cm against 8.5 cm) and contains on an average 8-9 seeds per pod. Its yield potential is about 90 q/ha.	J&K, H.P., Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Sabji Matar-4	It is an early variety (70 days to green pod picking) and resistant to powdery mildew. It is leafless type. Yield is 90 q/ha.	J&K, H.P., Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant Sabji Matar-5	It is an early maturing variety and gives first picking in 60-65 days after sowing. Plants are dwarf (65 cm) with green foliage. Pods are long and curved toward the tip. Seeds are wrinkled and green at maturity stage. Average green pod yield is 90-100 q/ha. This variety is resistant to powdery mildew.	J&K, H.P., Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
<b>MPKV, Rahuri</b>		
Phule Priya	Suitable for rabi season, pods are straight, green, tender, sweet, 8-10 greens per pod and tolerant to powdery mildew disease, suitable for rabi season, average yield 100-105 q/ha.	Maharashtra
<b>TANU, Coimbatore</b>		
Ooty 1	Pureline selection. Plants are dwarf. Pods are long and dark green. Average yield 12 t/ha.	Tamil Nadu
Pole type Ooty 1	Pureline selection. Plants grow to 2 m tall. Pods are fleshy and stringless. Average yield 33 t/ha.	Tamil Nadu



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>CSAUAT, Kanpur</b>		
Azad P-3	Early, medium, bold seeded curved at distal end. Average yield 65-70 q/ha.	U.P.
Azad P-2	Late, light green, smooth, resistant to Powdery mildew. Average yield 80-90 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
Azad P-4	Medium, small pods, resistant to Powdery mildew. Average yield 80-90 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
Azad P-5	Pods are medium, extended bearing upto March, resistant to P.M. Average yield 90-100 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand





# POTATO



Name of Variety/Hybrid	Salient Features	Recommended Area
<b>CPRI, Shimla</b>		
Kufri Sindhuri	It is a late maturing (110-120 days) variety producing medium tall and open plants with flowers of red-violet colour. Tubers are medium in size, round in shape, red in colour with deep eyes. It is moderately resistant to early blight, tolerant to PLRV and has a slow rate of degeneration. Suitable economic yields even under low fertility conditions. Yield potential 30-35 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Chandramukhi	An early maturing (90-100 days) variety producing medium-tall and semi-compact plants with red-violet flowers. Tubers are white cream, ovoid with shallow eyes. The variety is susceptible to major diseases, however it is suitable for processing also. Yield potential 20-25 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala and Andhra Pradesh
Kufri Jyoti	It is a medium maturing (90-100 days) in plains and 110-130 days in hills) producing medium-tall and semi-compact plants with white flowers. Tubers are white cream, ovoid with shallow eyes. It is suitable for processing also when grown in warmer areas of central plains. The variety carries moderate resistance to early and late blight. It is immune to wart pathogen. It has wide adaptability, early bulking and slow rate of degeneration. Yield potential 20-25 t/ha in the hills and 30 t/ha in plains.	H.P., J&K, Uttarakhand, A.P., Karnataka, Tamil Nadu, Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, Gujarat, M.P., Odisha, Chhattisgarh, Kerala, Andhra Pradesh and Maharashtra
Kufri Lauvkar	An early maturing (75-80 days) variety producing medium tall, semi compact plants with white flowers. Tubers are round, white cream with medium deep eyes. The variety is suitable for processing when grown in warmer areas of central plains. Tolerant to heat and susceptible to major diseases. Yield potential 20-25 t/ha.	Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala, Andhra Pradesh, Rajasthan, U.P., Bihar and Maharashtra
Kufri Badshah	A medium maturing (100-110 days) variety producing tall and semi-compact plants with white flowers. Tubers are white cream, ovoid with shallow eyes. The variety possesses moderate resistance to late blight and early blight and resistant to potato virus X. Yield potential is 30-35 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala and Andhra Pradesh

Name of Variety/Hybrid	Salient Features	Recommended Area
Kufri Bahar	A medium maturing (100-110 days) variety producing medium-tall and semi-compact plants with white flowers. Tubers are white cream, ovoid with medium-deep eyes. This early bulking variety is immune to wart, tolerant to Gemini viruses and has a slow rate of degeneration. Yield potential is 30-35 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Swarna	A medium maturing (100-110 days) variety producing medium-tall and semi-compact plants with white flowers. Tubers are white cream, round with shallow eyes. The variety is resistant to early blight, late blight, cyst nematodes and immune to wart. Yield potential is 30-35 t/ha.	Andhra Pradesh, Karnataka, Tamil Nadu and Kerala
Kufri Ashoka	An early maturing (70-80 days) variety producing short and semi-compact plants with red-violet flowers. Tubers are white cream, ovoid with medium-deep eyes. The variety is susceptible to major potato diseases. Yield potential is 25-30 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Pukhraj	An early maturing (70-90 days) variety producing medium-tall and semi-compact plants with white flowers. Tubers are yellow, ovoid with medium-deep eyes and develop faint purple colour on exposure to sun. The variety is resistant to early blight, moderately resistant to late blight and immune to wart. Early bulker and suitable for low input ecosystem. Yield potential is 35-40 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala, Andhra Pradesh and Maharashtra
Kufri Chipsona-1	A medium maturing (90-110 days) variety producing medium-tall and semi-compact plants with white flowers. Tubers are white cream, ovoid with shallow eyes. The variety possesses resistance to late blight and is suitable both for preparation of chips and French fries. Yield potential is 30-35 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Kanchan	A medium maturing (110-135 in summers and 90-100 days in winter) variety producing medium tall, semi-compact plants with blue-violet flowers. Tubers are red, ovoid with medium deep eyes. The variety is field resistant to late blight, immune to wart and slow rate of degeneration. Yield potential is 25-30 t/ha.	West Bengal and Sikkim
Kufri Arun	A medium maturing (90-110 days) variety tall and semi-compact plants with red-violet flowers. Tubers are red, ovoid with medium deep eyes. The variety is moderate resistant to late blight. Yield potential is 30-35 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Pushkar	A medium maturing (90-110 days) variety producing medium-tall and compact plants with white flowers. Tubers are yellow, ovoid with medium deep eyes. The variety is moderately resistant to late blight, resistant to early blight and immune to wart. Yield potential is 30-35 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Shailja	A medium maturing (100-120 days) variety producing medium tall and semi-compact plants with red-violet flowers. Tubers are white cream, ovoid with medium deep eyes. The variety possesses moderate resistance to late blight. Yield potential is 30-35 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K



Name of Variety/Hybrid	Salient Features	Recommended Area
Kufri Chipsona-3	A medium maturing (100-110 days) variety producing tall and semi-compact plants with white flowers. Tubers are white cream, ovoid with shallow eyes. The variety possesses resistance to late blight. The tubers have high dry matter, low reducing sugars and low phenols. Variety is highly suitable for making chips and French fries. Yield potential is 30-35 t/ha.	Bihar, Punjab, Maharashtra, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Surya	An early maturing (75-90 days) variety producing tall and semi-compact plants with red-violet flowers. Tubers are white cream, oblong with shallow eyes. This is a heat tolerant variety that can be grown in areas having night temperature above 20°C. Suitable for early planting in plains. This variety is immune to wart and tolerant to hopper burn. Yield potential is 20-30 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P., J&K, Tamil Nadu, Karnataka, Gujarat, M.P., Odisha, Chhattisgarh, Kerala, Andhra Pradesh and Maharashtra
Kufri Himalini	A medium maturing (110-120 days) variety producing medium-tall and semi-compact plants with red-violet flowers. Tubers are white cream, ovoid with medium deep eyes. The variety possesses moderate resistance to late blight. Yield potential is 30-35 t/ha.	H.P., J&K and Uttarakhand
Kufri Himsona	A medium maturing (110-135 days) variety producing tall and semi-compact plants with red-violet flowers. Tubers are white cream, round with shallow eyes. Variety is moderately resistant to late blight resistant and immune to wart. Suitable for processing. Yield potential is 15-20 t/ha.	H.P., J&K, Uttarakhand, Arunachal Pradesh, Assam, Manipur, Meghalaya, Andhra Pradesh, Tamil Nadu, Kerala, Karnataka, Gujarat, Madhya Pradesh, Chhattisgarh, Bihar, Rajasthan, Mizoram, Nagaland, Sikkim, Tripura and West Bengal
Kufri Sadabahar	A medium maturing (90-100 days) variety producing medium-tall and compact plants with white flowers. Tubers are white cream, ovoid with shallow eyes. The early bulking variety possesses moderate resistance to late blight. Yield potential is 30-35 t/ha.	Uttar Pradesh, Uttarakhand, Bihar, Madhya Pradesh, Rajasthan, Delhi, Haryana, Jharkhand
Kufri Girdhari	A medium maturing (110-135 days) variety producing medium-tall and open plants with white flowers. Tubers are white cream, ovoid with shallow eyes. The variety possesses high level of field resistance to late blight in foliage and tubers. Yield potential is 30-35 t/ha.	H.P., J&K, Uttarakhand, Arunachal Pradesh, Assam, Manipur, Meghalaya, Andhra Pradesh, Tamil Nadu, Kerala, Karnataka, Gujarat, Madhya Pradesh, Chhattisgarh, Bihar, Rajasthan, Mizoram, Nagaland, Sikkim, Tripura and West Bengal



Name of Variety/Hybrid	Salient Features	Recommended Area
Kufri Khyati	An early maturing (75-85 days) variety producing medium-tall and semi-compact plants with white flowers. Tubers are white cream, ovoid with medium deep eyes. Moderately resistant to early and late blight. Early bulking variety suitable for high cropping intensity. Yield potential is 25-30 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Frysona	A medium maturing (100-110 days) variety producing tall and open plants with red-violet flowers. Tubers are white cream, long-oblong with shallow eyes. The variety is field resistant to late blight and immune to wart. Variety possess high dry matter, low reducing sugars and low phenols. First Indian potato variety suitable for making French fries. Yield potential is 30-35 t/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Kufri Chipsona-4	An early maturing (90-100 days) variety producing tall, compact plants with white flowers. Tubers white cream, round with shallow eyes. The variety possesses resistance to late blight. The tubers have high dry matter, negligible glycoalkaloid content, suitable for processing. Yield potential is 30-35 t/ha.	Madhya Pradesh, West Bengal, Karnataka and Maharashtra



# PUMPKIN



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Vishwas	Vigorous vegetative growth, dark green leaves with white spots including veins. Fruits are brown, spherical each weighing 4-5 kg with thick and golden yellow flesh. Average Yield 400-425 q/ha in 120 days of crop duration.	J&K, H.P., Uttarakhand, Punjab, U.P., Bihar, Chhattisgarh, Odisha, A.P., M.P. and Maharashtra
Pusa Vikas	Vines semi-dwarf to dwarf (2.0-2.5 m long), leaves soft with light green or yellow spots, fruits small weighing 2 kg, flattish round, flesh yellow, rich in vitamin-A. Yield 300 q/ha.	NCR
Pusa Hybrid 1	Fruits are flattish round, medium in size, weighing 4.75 kg, flesh golden yellow. About 25% higher yield than Pusa Vishwas. Yield 520 q/ha.	NCR
<b>IIHR, Bengaluru</b>		
Arka Suryamukhi	Fruits are round with pressed ends. Rind colour is orange red with white stripes when mature. Fruit stalk round with flared ends. Average fruit weight 1 kg. Resistant to fruit fly. Yield 34 t/ha.	Karnataka, Tamil Nadu and Kerala
Arka Chandan	Fruit round with pressed blossom end. Rind colour green with white patches when immature which turns to light brown colour with self coloured patches on maturity. Thick orange flesh, solid cavity. Fruit weight 2-3 kg. Rich in carotene (3333 IU). Yield 33 t/ha.	Karnataka, Tamil Nadu and Kerala
<b>IIVR, Varanasi</b>		
Kashi Harit	Short vines and dark green leaves with white spots. Fruits are green, spherical, weight 2.5-3.0 kg at green stage. Yield potential of 300-350 q/ha in 65 days of crop duration.	U.P., Bihar, Chhattisgarh and Uttarakhand
<b>AAU, Anand, Gujarat</b>		
Anand Pumpkin-1	The fruits are medium sized, globular in shape with deep yellow flesh colour. The fruits of this variety possess higher total soluble solids, carotene, total soluble sugars and protein. Average yield 24.4 t/ha.	Gujarat
<b>NDUA&amp;T, Faizabad</b>		
N. Agrim	Fruits are small, round and stripe less dark green. Suitable for summer crop. Early maturity (55 days), average yield 300-400 q/ha.	U.P., Delhi, Punjab, Haryana and Gujarat
N. Amrit	Fruits are round in shape and light green mottled in colour. Suitable for summer crop, mature fruit weight 5-6 kg.	U.P.
N. Abhooshan	Fruits are in round shape with dark green striped and highly attractive. Average fruit yield 700 q/ha.	U.P.

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>TANU, Coimbatore</b>		
CO 1	Fruits are globular, large sized (8-10 kg), light pink skin and yellow flesh. Average yield 30 t/ha.	Tamil Nadu
CO 2	Fruits are small (1.5 kg), flattish round, light brown skin and yellow flesh. Average yield 23 t/ha.	Tamil Nadu
<b>CSAUAT, Kanpur</b>		
Azad Pumpkin-1	Fruit green medium broken white pattern, spherical. Average yield 450-500 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand



# RADISH



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Chetki	Its roots are medium large and stumpy, pure white, tender and smooth and mildly pungent. It becomes ready for harvesting in 40-50 days after sowing. Being tolerate to high temperatures, it is suitable for sowing from the mid of March to the mid of August. It shows profuse seed set in the plains. It can be grown as a summer and a monsoon crop from April-September and has yield potential of 200-250 q/ha.	All over India except temperate region
Pusa Mridula	Roots are globular with bright red skin, mildly pungent. Average Yield 130 q/ha, Maturity in 25 days.	NCR
Japanese White	Roots are pure white, 20-25 cm long, thick, stumpy, cylindrical, smooth, mildly pungent tops medium with deeply cut leaves maturity in 55-60 days. Yield 375 q/ha.	All over India
Pusa Reshmi	Roots are 30-35 cm long, medium thick, white with green shoulder, uniformly smooth, mildly pungent; tops medium, leaves light green. Suitable for mid-September to October sowing in the northern plains maturity in 55-60 days. Yield 350 q/ha.	All over India
Pusa Desi	Roots are white with green shoulders, 30-35 cm long, medium thick, tapering, pungent, tops medium, leaves dark green. Suitable for sowing from mid-August to September in the northern plains, maturity in 50-55 days. Yield 300 q/ha.	All over India
Pusa Himani	Roots are white, 30-35 cm long, medium thick, tapering, with light green shoulders flesh pure white, crisp, mildly pungent, tops short with cut leaves. Suitable for sowing from December to February in the northern plains and throughout the year except winter months in hilly regions maturity in 50-55 days. Yield 325 q/ha.	All over India
<b>IIHR, Bengaluru</b>		
Arka Nishant	Roots are long, marble white in colour with crisp texture and mild pungency. Resistant to pithiness, premature bolting, root branching and forking. Yield 35-40 t/ha.	All over India
<b>IIVR, Varanasi</b>		
Kashi Sweta	This has been developed through selection from the Chetki materials. It is suitable for early harvesting (30-35 days after sowing). Roots are 25-30 cm long, 3.3-4.0 cm in diameter, straight, tapering with pointed tip, gives yield of 450-470 q/ha.	U.P., Punjab, Bihar and Jharkhand



Name of Variety/Hybrid	Salient Features	Recommended Areas
Kashi Hans	This has been developed through selection. It is suitable for September to February planting and harvesting can be done after 40-45 days of sowing. It can stand in the field up to 10-15 days after commercial maturity. Leaves are soft and smooth like spinach. Roots are straight, tapering, 30-35 cm long, 3.5-4.2 cm diameter; yield of 430-450 q/ha.	U.P., Punjab and Jharkhand
<b>HAU, Hisar</b>		
Hisar Sel-1	High yield, roots medium long, smooth white, tender and mildly pungent with white shoulder and short tops. Its root: shoot ratio (1.70: 1) is higher than the check varieties (1.3: 1). Average yield is 300-325 q/ha.	Haryana
<b>TANU, Coimbatore</b>		
CO 1	Roots are milky white, less fibrous, suitable for growing throughout the year. Average yield 22 t/ha.	Tamil Nadu





## RIDGE GOURD



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Nasdar	Mid season, flowering in 50 days, 15-20 fruits per vine, fruits ridged, light green. More suited for rainy season.	All over India
Pusa Nutan	Fruits are long (25-30 cm), straight, attractive green, average Fruit wt. 105 g, flesh tender, suitable for spring summer and kharif seasons. Average Yield 160 q/ha, Maturity in 45-50 days.	NCR
<b>HAU, Hisar, Haryana</b>		
Hisar Kalitori	Early long thin and straight fruited variety, tolerant to powdery mildew, suitable for rain fed areas. Average yield 80-100 q/ha.	Haryana
<b>J.A.U., Junagadh, Gujarat</b>		
GJRGH-1	The fruits of GJRGH-1 are long in size with green colour. Suitable for kharif season. Average yield 113.30 q/ha.	Middle Gujarat
<b>AAU, Anand, Gujarat</b>		
Gujarat Anand Ridge Gourd-1	This variety are medium sized and elliptical shape with green fruit skin colour. The variety has less mosaic and downey mildew disease reaction. Average yield 150.70 q/ha.	Middle Gujarat
<b>G.B.U.A.&amp;T., Pant Nagar</b>		
Pant Torai-1	The main shoot is 5 m long. Fruits are 15-20 cm long and club shaped. It takes about 65 days to first harvest. It is specifically suitable for rainy season. The yield potential is about 100 qt/ha.	U.P. and Uttarakhand
<b>TANU, Coimbatore</b>		
CO 1	Fruits are long (60-75 cm) light green and weighs 300 g each. Average yield 14 t/ha.	Tamil Nadu
CO 2	Fruits are very long (1 m) green and fleshy. Average yield 25 t/ha.	Tamil Nadu
PKM. 1	Fruits are long, dark green with shallow grooves. Average yield 28 t/ha.	Tamil Nadu

**ROUND MELON**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IIHR, Bengaluru</b>		
Arka Tinda	Fruits are round with lush green shining skin covered with soft hair when young and tender (60 g). Yield 10 t/ha.	Karnataka, Tamil Nadu and Kerala
<b>HAU, Hisar</b>		
Hisar Tinda (HT-10)	Early and high yielding, fruits round medium in size tender an tolerant to downy mildew and root rot wilt. Average yield 75-100 q/ha.	Haryana

**SNAP MELON**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Shandar	Fruits are oblong, medium in size with creamy white skin, thick and light pink flesh, Average Yield 380 q/ha, an increase of 32% over best local check. Maturity in 45-50 days.	NCR



## SPONGE GOURD



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Chikni	It is suitable for cultivation in rainy and spring summer seasons. Fruits are smooth, dark green, and cylindrical. Single plant bears 15-17 fruits. Flowering starts in 60 days after sowing. Average Yield 200-225 q/ha.	All over India
Pusa Supriya	Its vines are 2.5-2.8 m long with 4-5 branches. Leaves are dark green, smaller in size with six lobed petiole, tip pointed and simple. Fruits are pale green, smooth, 15-20 cm long, straight and slightly curved at the stem end, pointed distal end, non-hairy, flesh tender, suitable for spring summer and kharif season. Fruits become ready for picking at 50-55 days after sowing in spring summer and 44-48 days after sowing in kharif season. Average Yield 130-140 q/ha.	Punjab, U.P., Bihar, Jharkhand, Rajasthan, Gujarat, Haryana and Delhi
Pusa Sneha	Fruits are dark green. Average Yield 120 q/ha. Suitable for cultivation in both spring summer and kharif seasons. Maturity in 50-55 days.	NCR
<b>CSAUAT, Kanpur</b>		
Azad Taroi -1	Early, fruits are green, smooth. Average yield 125-150 q/ha.	U.P.
Azad Taroi -2	Profuse fruiting, suitable for summer & rainy seasons. Average yield 140-160 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar and Jharkhand



## SPROUTING BROCCOLI



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa Broccoli Kt 1	Head compact, light green with small buds weighing 250-400 g, first picking in 85-95 days after transplanting. Yield 125 q/ha.	All over India
<b>MPKV, Rahuri</b>		
Ganesh Broccoli	Curds are dark green, compact, dome shaped, big size and attractive with negligible stalk hollowness. Tolerant to downy mildew and bacterial blight. Suitable for rabi season. Average yield 65 q/ha.	Maharashtra

## SUMMER SQUASH



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Australian Green	Very early, bush type, fruits are dark green with longitudinal stripes of greenish white colour all over, 25-30 cm long, very tender and delicious. Suitable for late January- February sowings in the northern plains.	All over India
Pusa Alankar	Very early and high yielding F1 hybrid; fruits dark green with light coloured stripes, 20-25 cm long, slightly tapering towards the stem end, tender with delicious flesh.	All over India
<b>IIHR, Bengaluru</b>		
Patty Pan	White, disc shaped fruits with notches along the margin. Fruit weight 350-400 g. Duration 75-80 days. Yield 55 t/ha.	Karnataka, Tamil Nadu and Kerala



## TOMATO



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Pusa-120	Plants are semi determinate, spreading, late maturing with dark green foliage. Fruits are flattish round, attractive, medium to large, uniform red, less acidic, less seeded, resistant to nematode and suitable for winter and summer seasons. Average yield 300-320 q/ha.	All over India
Pusa Ruby	This is an early maturing variety. Plants are indeterminate with a height of 80-85 cm and spreading habit with few hardy branches. Fruits are flat to round, slightly lobed (4-5 locules), medium sized, uniform red at maturity with slightly acidic pulp, suitable for fresh consumption and processing. It is ideal for autumn, winter and spring summer seasons. Average yield 280-300 q/ha.	All over India
Pusa Sheetal	Plants are determinate, fruit set successfully under low night temperature (up to 8°C) and suitable for early spring season, fruits are flattish round with yellow stem end, smooth, attractive, medium size, red colour and uniform ripening. Harvesting starts from early March in northern plains. Average yield 350 q/ha.	Bihar, Punjab, Rajasthan, U.P., West Bengal, Delhi, Haryana, H.P. and J&K
Pusa Gaurav	Plants are dwarf, bushy with moderate foliage cover. Fruits are smooth, elliptical (egg-shaped) and borne in clusters. The unripe fruits are firm with thick flesh (0.6 cm) with two well filled locules facilitating easy transportation over long distances. Whole fruit is suitable for processing and canning as it is without neck constriction and has higher TSS (6%) and better keeping quality at room temperature. It has average yield potential of 330-350 q/ha.	Punjab, U.P., Bihar, Rajasthan, Gujarat, Haryana and Delhi
Pusa Uphar	Plants are indeterminate, prolific bearer, upright, compact with dark-green foliage; fruits in bunches with 4-6 fruits per bunch, attractive, round, medium in size, thick skinned and uniform in ripening. Average yield 370 q/ha.	Punjab, U.P., Bihar, Rajasthan, Gujarat, Haryana and Delhi
Pusa Rohini	Fruits with thick pericarp, suitable for long distance transportation. Maturity in 80 days. Average yield 415 q/ha.	NCR
Pusa Sadabahar	Determinate, thermo insensitive, fruit set takes place almost round the year, both hot and cold set, Maturity in 60 days. Average yield 350 q/ha.	NCR
Pusa Hybrid-2	Plants are compact, semi determinate with good foliage cover having prolific bearing. Fruits are round to flattish round, firm, smooth and attractive with uniform red at maturity. Plants are highly tolerant to root knot nematode. Average yield 600-625 q/ha.	H.P., J&K, Uttarakhand (Garhwal and Kumaon), Punjab, U.P., Bihar, Delhi, Goa, Gujarat, Maharashtra, Daman & Diu, Dadra & Nagar Haveli, A.P., Tamil Nadu, Karnataka and Haryana



Name of Variety/Hybrid	Salient Features	Recommended Areas
Pusa Hybrid-4	Plants are determinate, compact with good dark green foliage. Fruits are attractive, round, smooth, average fruit weighing 70-80 g with three locules, thick pericarp and uniform ripening. It has field resistance to root knot nematode. Average yield potential of 425-450 q/ha.	Maharashtra, Jharkhand, Chhattisgarh, A.P., M.P., Odisha, Bihar, Karnataka, Rajasthan, Punjab, Gujarat and Tamil Nadu
Pusa Hybrid-8	Plants are determinate, with green compact foliage and heavy fruit bearer. Fruits are round, medium (75-80 g) with uniform ripening. Average yield 430-450 q/ha.	Punjab, U.P., Bihar and Jharkhand
Pusa Divya	It is a cross between Long style x Roma. Plants are indeterminate, profusely branched; fruits thick skinned, round to oval; first picking in 80 days after transplanting. Average yield 350 q/ha.	Punjab, U.P. and Bihar
<b>IIHR Bengaluru</b>		
Arka Ananya	High yielding F <sub>1</sub> hybrid with combined resistance to Tomato Leaf Curl Virus (TLCV) and bacterial wilt. Fruits are oblate-round, medium (65-70 g), deep red, medium firm fruit suitable for fresh market. Average yield 65-70 t/ha in 140 days.	Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, Arunachal Pradesh, Rajasthan, Gujarat, Haryana, Delhi, M.P. and Maharashtra
Arka Vardan	High yielding F <sub>1</sub> hybrid with root knot nematode resistance. Developed for fresh market. Average yield 75 t/ha in 160 days.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Karnataka, Tamil Nadu and Kerala
Arka Vishal	High yielding F <sub>1</sub> hybrid for fresh market. Average yield 75 t/ha in 160 days.	Punjab, Tarai region of U.P., Bihar, Jharkhand, Karnataka, Tamil Nadu and Kerala
Arka Abhijit	High yielding F <sub>1</sub> hybrid with bacterial wilt resistance. Developed for fresh market. Average yield 65 t/ha in 140 days.	Chhattisgarh, Odisha, Arunachal Pradesh, Rajasthan, Gujarat, Haryana, Delhi, Karnataka, Tamil Nadu and Kerala
Arka Vikas	Fruits are medium large (80-90 g), oblate with light green shoulder, which develop deep red on ripening. Developed for fresh market Adapted to both rainfed and irrigated conditions. Average yield 35 t/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Abha	Fruits are oblate with light green shoulder. Fruits have stylar end scar with average fruit weight of 75 g. Develops deep red colour on ripening. Resistant to bacterial wilt caused by <i>Ralstonia solanacearum</i> . Developed for fresh market and average yield 43 t/ha.	All over India



Name of Variety/Hybrid	Salient Features	Recommended Areas
Arka Saurabh	Fruits are medium large, (70-80 g), round with light green shoulder, deep red in colour, firm with nipple tip. Developed for both fresh market and processing. Average yield 30-35 t/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Rajasthan, Gujarat, Haryana, Delhi, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Alok	Fruits on the lower clusters square round, large in size, cluster oblong, firm with light green shoulder. Resistant to bacterial wilt. Developed for fresh market. Average yield 46 t/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar, Jharkhand, Karnataka, Tamil Nadu and Kerala
<b>IIVR, Varanasi</b>		
Kashi Vishesh	This variety is resistant to TLCV and has been developed using <i>L. hirsutum f. glabratum</i> B'6013' as donor parent following backcross pedigree selection method. Plants are determinate, dark green, fruits are red, spherical, medium to large size. First harvest at 70-75 days after transplanting. Average yield 400-450 q/ha.	J&K, H.P., Uttarakhand, Punjab, U.P., Bihar, Jharkhand, Chhattisgarh, Odisha, A.P., Karnataka, Tamil Nadu and Kerala
Kashi Amrit	Fruits are round, attractive red and fleshy with an average weight of 108 g. Suitable for cultivation during TOLCV infested period. Average yield 620 q/ha.	U.P., Bihar and Jharkhand
Kashi Hemant	The plants are determinate, fruits are attractive red and round, weight varies from 80 to 85 g. Average yield 400-420 q/ha.	Chhattisgarh, Odisha, A.P. and M.P.
Kashi Sharad	Plants are indeterminate, leaves broad, fruits are attractive red, slightly oval, firm, thick pericarp, longer shelf life, weight 90 to 95 g. Average yield 400-500 q/ha.	J&K, H.P. and Uttarakhand
Kashi Anupam	Plants are determinate, fruits are large, flattish round (slightly indented at blossom end of fruit), attractive red with 5-6 locules, medium maturity in 75-80 days after transplanting. Average yield 500-600 q/ha.	Rajasthan, Gujarat and Haryana
<b>HAU, Hisar</b>		
HS-101	Plant are determinate sturdy, multi-branched, fruit in clusters of 2-3, round, small to medium in size, red at ripening and suitable for winter season. Average yield 250-275 q/ha.	All over India
HS-102	Plant are determinate, fruit in clusters of 3-4, small to medium in size, uniform in ripening and suitable for winter and summer seasons. Average yield 250-275 q/ha.	All over India
Hisar Lalit	Plants are determinate, fruit maturity in 65-70 days after planting, average fruit weight 50 g, resistant to root knot nematode. Average yield 250-300 q/ha.	All over India
Hisar Arun	Plants are determinate, heavy bearer, early and high yielding. Average yield 275-300 q/ha.	All over India
Hisar Lalima	Plants are determinate, extremely early to medium large fruited. Average yield 275-300 q/ha.	Haryana
HS-110	Plants are determinate, potato leaf type, late maturity, fruits are large fleshy, suitable for table and processing.	Haryana



Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>AAU, Anand, Gujarat</b>		
Gujarat Tomato-2	Plant growth habit of this variety is determinate type. Immature fruits colour is green with dark green shoulder and at mature stage fruits are attractive red in colour with hard pericarp. Average yield 340 q/ha.	Middle Gujarat
Anand Tomato-3	The fruits of this variety are big in size with high pulp to juice ratio and very good firmness. The fruit are round in shape, dark red in colour and possess long shelf life. Average yield 326 q/ha.	Middle Gujarat
<b>G.B.U.A.&amp;T., Pant Nagar</b>		
Pant Bahar	The plants are bushy and profusely branched. Fruits are flattish round, medium in size with 5-6 locules slightly ridged and become red on maturity. The first picking in 75-80 days after transplanting. The yield potential of this variety is about 250 q/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant T-3	The fruit weight is about 70 g. After ripening, the fruits attain uniform red in colour. It is suitable for processing. The yield potential of this variety is about 300 q/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant poly house tomato-1	It is suitable for poly house cultivation. No. of fruits per bunch are 5-6. Average fruit weight is 202 g and yield potential is 1400 q/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
Pant poly house tomato hybrid-1	It is suitable for poly house cultivation. No. of fruits per bunch are 7-8. Average fruit weight is 265 g and yield potential is 1800 q/ha.	H.P., J&K, Hills of U.P., Punjab, Tarai region of U.P., Bihar and Jharkhand
<b>MPKV, Rahuri</b>		
Dhanashree	Fruits are medium small and round with orange red in colour, suitable for kharif and rabi season. Average yield 600-800 q/ha.	Maharashtra
Phule Raja	Fruits are orange red in colour, medium size, attractive thick skin. Suitable for kharif and rabi seasons. Average yield 650 q/ha.	Maharashtra
<b>TNAU, Coimbatore</b>		
CO 1	Fruits are round, light green when unripe and red at ripening, bears in clusters. Average yield 36 t/ha.	Tamil Nadu
CO 2	Fruits are ovate, large and flat. Average yield 42 t/ha.	Tamil Nadu
CO 3	Dwarf plants, fruits are globular and red in colour, bears in clusters of 4-5 fruits. Suitable for summer. Average yield 50 t/ha.	Tamil Nadu
PKM 1	Determinate plants, fruits are flattish with ridges. Suited for long distance transport. Average yield 32 t/ha.	Tamil Nadu
Paiyur 1	A hybrid derivative suitable for irrigated and rainfed conditions of Dharmapuri district. Fruits are round, smooth fleshy and suitable for long distance transport. Average yield 32 t/ha.	Tamil Nadu





Name of Variety/Hybrid	Salient Features	Recommended Areas
COTH 1	F <sub>1</sub> hybrid developed by crossing IHR 709 x LE 812. Plants are semi determinate. Fruits are medium in size, bright red in colour, smooth, round to slightly oblong and born in clusters of 4 - 5. Average yield 95 t/ha.	Tamil Nadu
COTH 2	F <sub>1</sub> hybrid developed by crossing LCR2 x CLN 2123 A. Semi determinate. Fruits are smooth, round to slightly oblong, medium in size. Resistant to leaf curl virus. Average yield 90 t/ha.	Tamil Nadu
TNAU Tomato Hybrid Co3	F <sub>1</sub> hybrid developed by crossing HN2 x CLN 2123 A semi determinate, Fruits are medium size, smooth round: borne in clusters of 3-5. Resistant to leaf curl virus and moderately resistant to root knot nematode. Average yield 95 t/ha.	Tamil Nadu
<b>CSAUAT, Kanpur</b>		
Azad T-5	Indeterminate, round, red in colour, bold, better shield life. Average yield 400-450 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
Azad T-6	Determinate, round, red in colour, medium, smooth. Average yield 450-500 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
KTH-2 (Hybrid)	Round shape, red in colour. Average yield 550-600 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand
KTH-1 (Hybrid)	Oval shape fruit, red in colour. Average yield 500-550 q/ha.	Punjab, Tarai region of U.P., Uttarakhand, Bihar, Jharkhand



**TURNIP**

Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Purple Top White Globe	Temperate type, tops are dark green, erect with cut leaves, roots large, round, smooth, bright purplish-red in upper half, lower portion creamy white. Flesh white, firm and crisp, suitable for sowing from October to December in plains, maturity in 60-65 days. Yield 300 q/ha.	All over India
Pusa Swarnima	Temperate type, roots flattish round with golden yellow skin; flesh medium amber colour, finely grained and tender; maturity 60-65 days. Yield 350 q/ha.	All over India
Pusa Chandrima	Temperate type, early maturing, roots medium to large, nearly globular, medium top, smooth, pure white skin with fine grains, sweet and tender flesh, suitable for October to December sowing. Yield 350 q/ha.	All over India
Pusa Sweti	Tropical and sub-tropical type, roots pure white, medium in size, round to flattish round, tender, flesh white; leaves finely lobed and light green; suitable for sowing from August to September in plains, maturity in 40-45 days. Yield 250 q/ha.	All over India
Pusa Kanchan	Tops are light green roots light red, medium large, round flesh, creamish yellow with good flavour and taste suitable for sowing from September to mid-October in plains maturity in 55-60 days. Yield 250 q/ha.	All over India

**VEGETABLE MUSTARD**

Name of Variety/Hybrid	Salient Features	Recommended Area
<b>IARI, New Delhi</b>		
Pusa Sag-1	Leaves large, broad, glabrous, smooth and attractive green, higher in carotene and ascorbic acid. Maturity in 35 days. Average yield 700 q/ha.	NCR



# WATERMELON



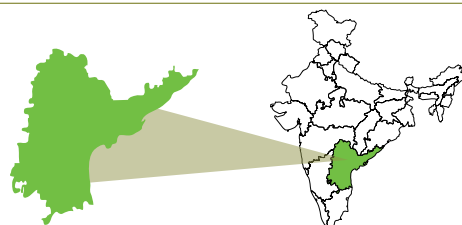
Name of Variety/Hybrid	Salient Features	Recommended Areas
<b>IARI, New Delhi</b>		
Sugar Baby	It has medium long vines. Fruits are round with black rind, deep pink flesh with 11-13% TSS, brown small seeds and each weighing 2-5 kg. Average Yield 150-170 q/ha in 85 days of crop duration.	Chhattisgarh, Odisha, A.P., M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Asahi Yamato	Mid season, vines medium with deeply cut, lobed leaves, fruits medium sized, 6-7 kg, round, pale green, smooth, non-stripped skin flesh deep red, sweet, T.S.S. 9-11%; maturity in 95-100 days. Yield 200 q/ha.	H.P., J&K and Uttarakhand
<b>IIHR, Bengaluru</b>		
Arka Manik	Fruits are oval with light green rind colour and green to dark green stripes. Deep crimson flesh with granular texture, pleasant aroma, very sweet TSS 12-15%). Average fruit weight 6 kg. Seeds small with dark brown specks on the testa. Triple resistant to powdery mildew, Downey mildew and anthracnose. Yield 60 t/ha.	Punjab, Tarai region of U.P., Bihar, Jharkhand, M.P., Maharashtra, Karnataka, Tamil Nadu and Kerala
Arka Jyothi	F <sub>1</sub> hybrid, round to oval fruits. Light green rind colour with green to blue green angular stripes. Crimson flesh with TSS 12-14%. Average fruit weight 5 kg. with 2-3 fruits per vine. Yield 60-80 t/ha.	Karnataka, Tamil Nadu and Kerala
<b>TANU, Coimbatore</b>		
PKM. 1	Suitable for arid, semi-arid, irrigated conditions, pulp pink in colour. Average yield 37 t/ha.	Tamil Nadu





# STATE WISE RECOMMENDED VARIETIES OF VEGETABLES

## ANDHRA PRADESH

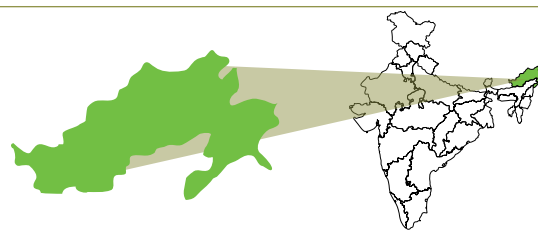


Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Hybrid-2, Pusa Hybrid-4, Arka Vikas, Arka Abha, Arka Saurabh, Kashi Vishesh, Kashi Hemant, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Pusa Hybrid-6, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Pant Samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Kashi Early, Pant C-1, Kiran, Karalulu, Barak, Teja, Aparna, Maduru Punasa, Chikkaballapur
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Pragati, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna,
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Kashi Kanchan
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant

Crop	Varieties
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Bitter Gourd</b>	Pusa Hybrid-2
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Water Melon</b>	Sugar Baby
<b>Pumpkin</b>	Pusa Vishwas
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Arka Kalyan, Agrifound Dark Red, Agrifound Light Red, Agrifound White, Agrifound Rose, N-53, Hisar-2, Bhima Kiran, Bhima Shakti, Bhima Shweta
<b>Garlic</b>	Yamuna Safed (G-1), Bhima Purple
<b>Potato</b>	Kufri Chandramukhi, Kufri Jyoti, Kufri Lauvkar, Kufri Badshah, Kufri Swarna, Kufri Pukhraj, Kufri Surya, Kufri Himsona, Kufri Girdhari



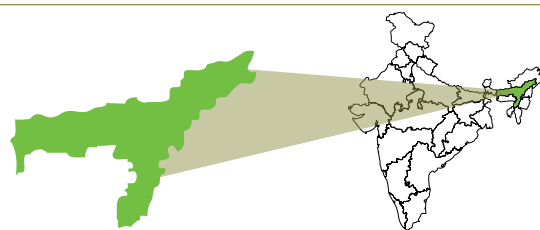
## ARUNACHAL PRADESH



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Arka Ananya, Arka Abhijit, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, JC-1, JC-2, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Lohit, Arka Meghana, Kashi Surkh, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-5 (G-189)
<b>Potato</b>	Kufri Himsona, Kufri Girdhari



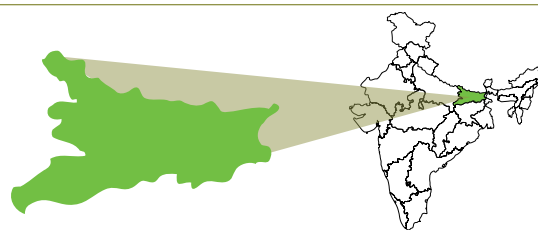
## ASSAM



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, JC-1, JC-2, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Kashi Surkh, Pant C-1, Surya Mukhi, Krishna, Balijuri
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Abhay, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Pusa Hybrid-2, Pusa Kartik Sankar, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre, Pusa Mukta
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Pumpkin</b>	Azad Pumpkin-1
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-5 (G-189)
<b>Muskmelon</b>	Pusa Sharbati
<b>Potato</b>	Kufri Himsona, Kufri Girdhari



## BIHAR

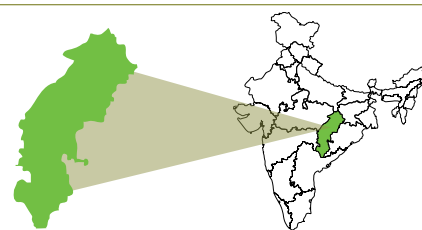


Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Gaurav, Pusa Uphar, Pusa Hybrid-2, Pusa Hybrid-8, Pusa Hybrid 4 Pusa Divya, Arka Ananya, Arka Vardan, Arka Vishal, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, Kashi Amrit, HS-101, HS-102, Hisar Lalit, Hisar arun, Pant Bahar, Pant T-3, Pant Polyhouse Tomato-1, Pant Polyhouse Tomato-Hybrid-1, Azad T-5, Azad T-6, KTH-2 (Hybrid), KTH-1 (Hybrid)
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Kranti, Pusa Uttam, Pusa Bindu, Pusa Upkar, Pusa Shyamla, Pusa Hybrid-5, Pusa Hybrid-6, DBHL-20, Arka Navneet, Arka Kusumakar, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, GBH-1, Pant samrat, Pant Rituraj, Azad B-2, Azad B-3, Azad B-4, Azad Hybrid
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Meghana, Arka Sweta, Kashi Early, Kashi Anmol, Kashi Surkh, Pant C-1, Rori, Moti Mirchi, Chittee
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Kranti, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Kashi Nandini, Pant Matar-2, Pant Sabji Matar-3, Pant Sabji Matar-4, Pant Sabji Matar-5, Azad P-2, Azad P-4, Azad P-5
<b>Cauliflower</b>	Improved Japanese, Pusa Shubra, Pusa Early Synthetic, Pusa Paushja, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Pusa Hybrid-2, Pusa Kartik Sankar, Kashi Kunwari, Hisar-1, Pant Shubra, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre, Pusa Mukta, KGMR-1
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Pusa Komal, Kashi Kanchan
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop, Pant Anupama
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant, Kashi Sweta
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Santusti, Pusa Hybrid-3, Hybrid Kashi Bahar, Pant Lauki-4, N. Bottle Gourd Hybrid-4, Azad Nutan
<b>Bitter Gourd</b>	Pusa Do Mousami, Pusa Vishesh, Pusa Hybrid-2
<b>Sponge Gourd</b>	Pusa Chikni, Pusa Supriya, Azad Taroi-2
<b>Ridge Gourd</b>	Pusa Nasdar

Crop	Varieties
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Pusa Sharbati, Gujarat Muskmelon-3
<b>Water Melon</b>	Arka Manik
<b>Pumpkin</b>	Pusa Vishwas, Kashi Harit, Azad Pumpkin-1
<b>Ash Gourd</b>	Kashi Ujawal
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Sel-126, Arka Kalyan, Pusa Ratnagar, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), NHRDF Red-2(L-355), Punjab Selection, Punjab Red Round, Punjab-48, Kalyanpur Red Round, N-53, Hisar-2, Bhima Kiran, Bhima Shakti, Bhima Shweta
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-4 (G-323), Yamuna Safed-5 (G-189), Bhima Purple
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona-3, Kufri Surya, Kufri Himalini, Kufri Sadabahar, Kufri Khyati, kufri Laukar, Kufri Himsona, Kufri Girdhari, Kufri Fry Sona



# CHHATTISGARH

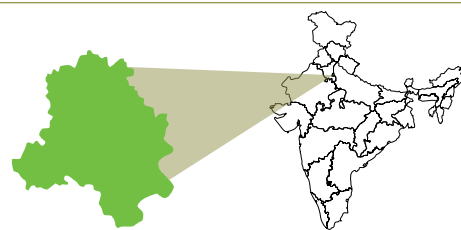


Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Arka Ananya, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Kashi Vishesh, Kashi Hemant, HS-101, HS-102, Hisar Lalit, Hisar arun, Pusa Hybrid 4
<b>Brinjal</b>	Pusa Purple Cluster, Pusa Uttam, Pusa Bindu, Pusa Hybrid-5, Pusa Hybrid-6, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pusa Lohit, Arka Meghana, Kashi Early, Kashi Surkh, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Pragati, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Improved Japanese, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Kashi Kanchan
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, PusaYamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Bitter Gourd</b>	Pusa Hybrid-2
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Water Melon</b>	Sugar Baby
<b>Pumpkin</b>	Pusa Vishwas, Kashi Harit
<b>Ivy Gourd</b>	Indira Kundru-05, Indira Kundru-35
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran

Crop	Varieties
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Sel. 126, Arka Kalyan, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red (L-28), Agrifound White, N-53, Hisar-2, Bhima Shakti, Bhima Shweta
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-3 (G-282), Yamuna Safed-4 (G-323)
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona-3, Kufri Surya, Kufri Khyati, Kufri Frysona, Kufri Laukar, Kufri Himsona, Kufri Girdhari



## DELHI

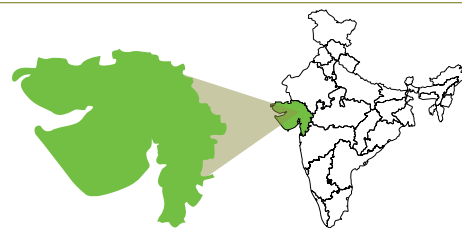


Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Gaurav, Pusa Uphar, Pusa Rohini, Pusa Hybrid 2, Pusa Sadabahar, Arka Ananya, Arka Abhijit, Arka Abha, Arka Saurabh, HS-101, HS-102, Hisar Lalit, Hisar arun
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Uttam, Pusa Bindu, DBL-02, Pusa Hybrid-5, Pusa Hybrid-6, DBHL-20, Arka Anand, Arka Navneeth, Arka Kusumakar, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Meghana, Arka Sweta, Kashi Early, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Vibhuti, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit
<b>Cauliflower</b>	Pusa Deepali, Improved Japanese, Pusa Shubra, Pusa Hybrid 2, Pusa Meghna, Pusa Sharad, Pusa Shukti, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Pusa Sukomal
<b>Lab Lab Bean</b>	Pusa Sem-2, Pusa Sem-3
<b>Broad Bean</b>	Pusa Sumeet
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Pusa Rudhira, Pusa Asita, Pusa Vrishti, Nantes, Pusa Kesar, Pusa Yamdagni, Pusa Nayanjyoti
<b>Radish</b>	Pusa Chetki, Pusa Mridula, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Santusti, Pusa Samridhi, Pusa Sandesh, Pusa Hybrid-3, Pant Lauki-4
<b>Bitter Gourd</b>	Pusa Do Mousami, Pusa Vishesh, Pusa Hybrid-1, Pusa Hybrid-2
<b>Sponge Gourd</b>	Pusa Chikni, Pusa Supriya, Pusa Sneha
<b>Ridge Gourd</b>	Pusa Nasdar, Pusa Nutan
<b>Cucumber</b>	Pusa Uday

Crop	Varieties
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Arka Jeet, Pusa Sharbati
<b>Snap Melon</b>	Pusa Shandar
<b>Pumpkin</b>	Pusa Vikas, Pusa Hybrid-1, N. Agrim, Azad Pumpkin-1
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Vegetable Mustard</b>	Pusa Sag-1
<b>Chenopodium (Bathua)</b>	Pusa Bathua-1
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Sel-126, Arka Kalyan, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), NHRDF Red-2(L-355), Agrifound White, Udaipur-103, Udaipur-102, N-53, Baswant-780, Hisar-2, Bhima Raj, Bhima Kiran, Bhima Shakti, Bhima Shweta, Phule Samarth
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-4 (G-323), Yamuna Safed-5 (G-189), Bhima Omkar, Bhima Purple
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona-3, Kufri Surya, Kufri Khyati, Kufri Frysona, Kufri Sadabahar



## GUJARAT



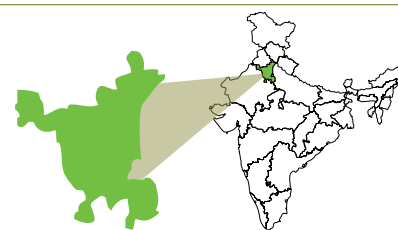
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Gaurav, Pusa Uphar, Pusa Hybrid-2 Pusa Hybrid 4, Arka Ananya, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Kashi Anupam, HS-101, HS-102, Hisar Lalit, Hisar arun, Gujarat Tomato-2, Anand Tomato-3
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Uttam, Pusa Bindu, Pusa Hybrid-9, Arka Anand, Arka Navneeth, Arka Kusumakar, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, GJB-3, JC-1, JC-2, GBH-1, Oblong Brinjal-1, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Meghana, Arka Sweta, Kashi Surkh, Chilli-101, Chilli-111, Chilli-131, Chilli-112, Chilli-Hybrid-1, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Vibhuti, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142, Gujrat Anand Okra-5
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit
<b>Cauliflower</b>	Improved Japanese, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Arka Samrudhi
<b>Lab Lab Bean</b>	GJIB-2
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3, Anand Bottle Gourd-1, Pant Lauki-4, N. Bottle Gourd (NDBG-132)
<b>Bitter Gourd</b>	Pusa Hybrid-2
<b>Sponge Gourd</b>	Pusa Chikni, Pusa Supriya
<b>Ridge Gourd</b>	Pusa Nasdar, GJRGH-1, Gujarat Anand Ridge Gourd-1
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Arka Jeet
<b>Pumpkin</b>	Anand Pumpkin-1
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran

Crop	Varieties
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Sel-126, Arka Kalyan, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), NHRDF Red-2(L-355), Agrifound White, Udaipur-103, Udaipur-102, N-53, Baswant-780, Hisar-2, Bhima Raj, Bhima Red, Bhima Super, Bhima Shakti, Phule Samarth
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-3 (G-282), Yamuna Safed-4 (G-323), Yamuna Safed-5 (G-189), Bhima Omkar
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona-3, Kufri Surya, Kufri Himalini, Kufri Khyati, Kufri Frysona, Kufri Laukar, Kufri Himsona, Kufri Girdhari





## HARYANA



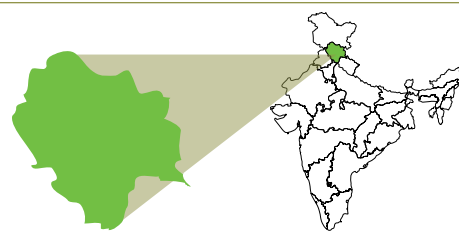
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Gaurav, Pusa Uphar, Pusa Hybrid-2, Arka Ananya, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Kashi Anupam, HS-101, HS-102, Hisar Lalit, Hisar arun, Hisar Lalima, HS-110
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Uttam, Pusa Bindu, DBL-02, Pusa Anupama, Pusa Hybrid-5, Pusa Hybrid-6, Arka Anand, Arka Navneet, Arka Kusumakar, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Hisar Pragati, Hisar Jamuni, HLB-12, GBH-1, Pant Samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Meghana, Arka Sweta, Kashi Early, Kashi Surkh, Hisar Shakti, Hisar Vijay, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Vibhuti, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit, Kashi Nandini, Kashi Uday, Pant Uphar, Pant Matar-2, Pant Sabji Matar-3, Pant Sabji Matar-4, Pant Sabji Matar-5
<b>Cauliflower</b>	Improved Japanese, Pusa Shubra, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Pusa Komal, Arka Samrudhi
<b>Lab Lab Bean</b>	Hisar Kirti
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni, Hisar Gairic
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant, Hisar Sel-1
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Hybrid-3, N. Bottle Gourd Hybrid-4, N. Bottle Gourd (NDBG-132)
<b>Bitter Gourd</b>	Pusa Do Mousami, Pusa Vishesh, Pusa Hybrid-2
<b>Sponge Gourd</b>	Pusa Chikni, Pusa Supriya
<b>Ridge Gourd</b>	Pusa Nasdar, Hisar Kalitori



Crop	Varieties
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Arka Jeet
<b>Round Melon</b>	Hisar Tinda(HT-10)
<b>Pumpkin</b>	N. Agrim, Azad Pumpkin-1
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, Hisar Madhavi, Hisar Manohar, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Sel-126, Arka Kalyan, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), NHRDF Red-2(L-355), Agrifound White, Udaipur-103, Udaipur-102, N-53, Baswant-780, Phule Samarth, Hisar-2, Hisar Onion-3, Bhima Raj, Bhima Kiran, Bhima Shakti, Bhima Shweta, Phule Samarth
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-3 (G-282), Yamuna Safed-4 (G-323), Yamuna Safed-5 (G-189), Bhima Omkar, Bhima Purple, HG-17
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona-3, Kufri Surya, Kufri Khyati, Kufri Frysona, Kufri Jyoti



## HIMACHAL PRADESH

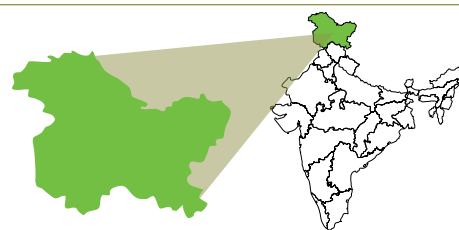


Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Hybrid 2 Arka Vardan, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, Kashi Sharad, HS-101, HS-102, Hisar Lalit, Hisar arun, Pant Bahar, Pant T-3, Pant Polyhouse Tomato-1
<b>Brinjal</b>	Pusa Purple Cluster, Arka Navneet, Arka Neelkanth, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Pant samrat, Pant Rituraj, Pusa Hybrid 5, Pusa Hybrid 6
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1, Solan Yellow, Punjab Lal
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Kashi Nandini, Pant Matar-2, Pant Sabji Matar-3, Pant Sabji Matar-4, Pant Sabji Matar-5
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1, Pant Shubra, Pant Gobhi 2 Pant Gobhi 3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre, KGMR-1
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Brussel's Sprouts</b>	Hills Ideal
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Suvridha, Arka Anoop, Kashi Param, Pant Anupama
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni, Pusa Nayanjyoti
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3, Pant Lauki-4
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Cucumber</b>	Pusa Sanyog
<b>Long Melon</b>	Karnal selection
<b>Water Melon</b>	Asahi Yamato
<b>Pumpkin</b>	Pusa Vishwas
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Ivy Gourd</b>	Indira Kundru-05, Indira Kundru-35
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219

Crop	Varieties
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-4 (G-323), Agrifound Parvati, (G-313), Agrifond Parvati-2 (G-408)
<b>Potato</b>	Kufri Jyoti, Kufri Himalini, Kufri Himsona, Kufri Giridhari, Kufri Sindhuri, Kufri Chandramukhi, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona 3, Kufri Surya, Kufri Himsona, Kufri Khyati, Kufri Frysona



# JAMMU & KASHMIR

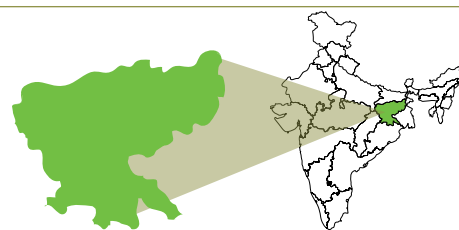


Crop	Varieties
<b>Tomato</b>	Pusa-120 Pusa Sheetal Pusa Hybrid 2, Pusa Ruby, Arka Vardan, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, Kashi Sharad, HS-101, HS-102, Hisar Lalit, Hisar arun, Pant Bahar, Pant T-3, Pant Polyhouse Tomato-1, Pant Polyhouse Tomato-Hybrid-1
<b>Brinjal</b>	Pusa Purple Cluster, Arka Navneet, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Pant samrat, Pant Rituraj, Pusa Hybrid 5, Pusa Hybrid 6
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1, Ratna Red
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Kashi Nandini, Pant Matar-2, Pant Sabji Matar-3, Pant Sabji Matar-4, Pant Sabji Matar-5
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1, Pant Shubra, Pant Gobhi 2, Pant Gobhi 3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Brussel's Sprouts</b>	Hills Ideal
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Suvidha, Arka Anoop, Kashi Param, Pant Anupama
<b>Carrot</b>	Nantes, Pusa Kesar, PusaYamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3, Pant Lauki-4
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Cucumber</b>	Pusa Sanyog
<b>Long Melon</b>	Karnal selection
<b>Water Melon</b>	Asahi Yamato
<b>Pumpkin</b>	Pusa Vishwas, Azad Pumpkin-1
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran

Crop	Varieties
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-4 (G-323), Agrifound Parvati, (G-313), Agrifond Parvati-2 (G-408)
<b>Potato</b>	Kufri Jyoti, Kufri Himalini, Kufri Himsona, Kufri Giridhari, Kufri Sindhuri, Kufri Chandramukhi, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona 1, Kufri Arun, Kufri Pushkar, Kufri Shaija, Kufri Chipsona 3, Kufri Surya, Kufri Khyati, Kufri Frysona



# JHARKHAND



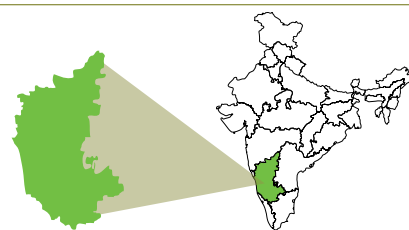
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Hybrid 4 Arka Ananya, Arka Vardan, Arka Vishal, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, Kashi Amrit, HS-101, HS-102, Hisar Lalit, Hisar arun, Pant Bahar, Pant T-3, Pant Polyhouse Tomato-1, Pant Polyhouse Tomato-Hybrid-1, Azad T-5, Azad T-6, KTH-2 (Hybrid), KTH-1 (Hybrid)
<b>Brinjal</b>	Pusa Purple Cluster, Arka Navneet, Arka Kusumakar, Kashi Sandesh, Kashi Taru, Kashi Prakash, Kashi Komal, PH-4, BR-112, Hisar Shyamal, GBH-1, Pant samrat, Pant Rituraj, Azad B-2, Azad B-3, Azad B-4, Azad Hybrid
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Meghana, Arka Sweta, Kashi Early, Kashi Anmol, Kashi Surkh, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Kranti, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Kashi Nandini, Pant Matar-2, Pant Sabji Matar-3, Pant Sabji Matar-4, Pant Sabji Matar-5, Azad P-2, Azad P-4, Azad P-5
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Pusa Kartik Sankar, Kashi Kunwari, Hisar-1, Pant Shubra
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Kashi Kanchan
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop, Pant Anupama
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant, Kashi sweta, Kasha Hans
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3, Hybrid Kashi Bahar, Kashi Ganga, Azad Nutan
<b>Bitter Gourd</b>	Pusa Hybrid-2, Kashi Urvasi
<b>Sponge Gourd</b>	Pusa Chikni, Pusa Supriya, Azad Taroi-2
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Kashi Madhu, Gujarat Muskmelon-3

Crop	Varieties
<b>Water Melon</b>	Arka Manik
<b>Ash Gourd</b>	Kashi Ujawal
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Arka Kalyan, Pusa Ratnagar, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), Punjab Selection, Punjab Red Round, Punjab-48, Kalyanpur Red Round, N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-5 (G-189)
<b>Potato</b>	Kufri Sadabhar, Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Laukar, Kufri Badshah, Kufri Himsona, Kufri Bahar, Kufri Ashoka, Kufri Pukraj, Kufri Chipsona, Kufri Arun, Kufri Puskar, Kufri Shailja, Kufri Chipsona 3, Kufri Surya, Kufri Himalini, Kufri Girdhari, Kufri Frysona





## KARNATAKA

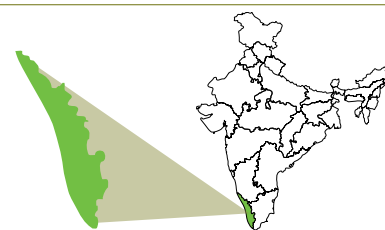


Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Hybrid 2, Pusa Hybrid 4, Arka Vardan, Arka Vishal, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Anupama, Pusa Hybrid-5, Pusa Hybrid-6, Arka Anand, Arka Navneet, Arka Sheel, Arka Kusumakar, Arka Shirish, Arka Nidhi, Arka Keshav, Arka Neelkanth, Kashi Sandesh, Kashi Komal, PH-4, BR-12, Hisar Shyamal, Pant Samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Lohit, Arka Harita, Arka Meghana, Arka Sweta, Kashi Early, Pant C-1, Bayadgi, G-1, G-2, G-3, G-4
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit, Kashi Nandini
<b>Cauliflower</b>	Pusa Early Synthetic, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna,
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Arka Garima
<b>Lab Lab Bean</b>	Arka Jay, Arka Vijay
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit Dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Bitter Gourd</b>	Arka Harit
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Arka Sheetal, Karnal Selection
<b>Musk Melon</b>	Pusa Madhuras, Arka Jeet, Arka Rajhans
<b>Water Melon</b>	Sugar Baby, Arka Manik, Arka Jyoti
<b>Round Melon</b>	Arka Tinda
<b>Pumpkin</b>	Arka Suryamukhi, Arka Chandan
<b>Ash Gourd</b>	Pusa Ujjwal, Kashi Ujwal
<b>Summer Squash</b>	Australian Green, Pusa Alankar, Patty pan

Crop	Varieties
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Arka Kalyan, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, Agrifound Rose, Agrifound Red, Punjab Selection, N-53, Co-1, Co-2, Co-3, Co-4, Co-5, MDU-1, Hisar-2, Bhima Red, Bhima Super, Bhima Kiran, Bhima Shakti, Bhima Shweta, Phule Samarth
<b>Garlic</b>	Yamuna Safed (G-1), Bhima Purple,
<b>Potato</b>	Kufri Chandramukhi, Kufri Jyoti, Kufri Laukar, Kufri Badshah, Kufri Swarna, Kufri Pukhraj, Kufri Surya, Kufri Himsona, Kufri Giridhari, Kufri Chipsona-4

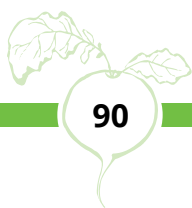


## KERALA

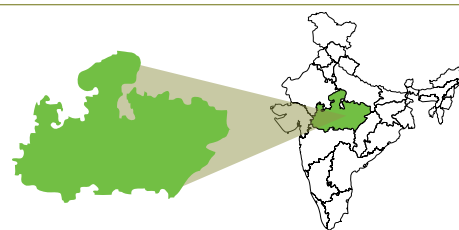


Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Hybrid-2, Pusa Hybrid-4, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Anupama, Pusa Hybrid-5, Pusa Hybrid-6, Arka Anand, Arka Navneet, Arka Sheel, Arka Kusumakar, Arka Shirish, Arka Nidhi, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Pant Samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Lohit, Arka Harit, Arka Meghana, Arka Sweta, Pant C-1, Champa, Nandin, K-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit, Kashi Nandini
<b>Cauliflower</b>	Pusa Early Synthetic, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Arka Garima
<b>Lab Lab Bean</b>	Arka jay, Arka vijay
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, PusaYamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Bitter Gourd</b>	Arka Harit
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Arka Sheetal, Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Arka Jeet, Arka Rajhans
<b>Water Melon</b>	Sugar Baby, Arka Manik, Arka Jyoti
<b>Round Melon</b>	Arka Tinda
<b>Pumpkin</b>	Arka Suryamukhi, Arka Chandan
<b>Ash Gourd</b>	Pusa Ujjwal, Kashi Ujawal
<b>Summer Squash</b>	Australian Green, Pusa Alankar, Patty pan
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled

Crop	Varieties
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Arka Kalyan, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, Agrifound Red, Punjab Selection, N-53, Co-1, Co-2, Co-3, MDU-1, Co-4, Co-5, Hisar-2, Phule Samarth
<b>Garlic</b>	Yamuna Safed (G-1)
<b>Potato</b>	Kufri Chandramukhi, Kufri Jyoti, Kufri Laukar, Kufri Badshah, Kufri Swarna, Kufri Pukhraj, Kufri Surya, Kufri Himsona, Kufri Giridhari



# MADHYA PRADESH

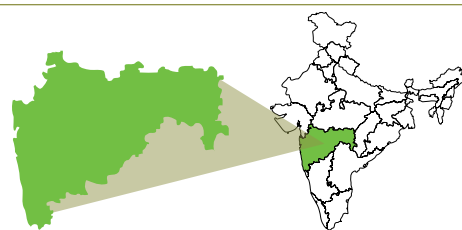


Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Hybrid 4, Arka Ananya, Arka Vikas, Arka Abha, Arka Saurabh, Kashi Hemant, HS-101, HS-102, Hisar Lalit, Hisar arun
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Uttam, Pusa Bindu, Pusa Ankur, Pusa Hybrid-5, Pusa Hybrid-6, Arka Anand, Arka Navneet, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, GBH-1, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Lohit, Arka Suphal, Kashi Early, Chilli-101, Pant C-1, Sona-21, Jawahar, Agni
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Improved Japanese, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1, Pant Gobhi-2, Pant Gobhi-3,
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Arka Garima, Arka Samrudhi, Kashi Kanchan
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Anoop, Kashi Param
<b>Carrot</b>	Pusa Meghali, Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Naveen, Pusa Santusti, Pusa Hybrid-3, Arka Bahar, Bottle Gourd (NDBG-619)
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Gujarat Muskmelon-3
<b>Water Melon</b>	Sugar Baby, Arka Manik
<b>Pumpkin</b>	Pusa Vishwas
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran

Crop	Varieties
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Pusa Madhvi, Sel-126, Pusa Ratnagar, Agrifound Dark Red, Agrifound Light Red, Agrifound White, Punjab Selection, N-53, Phule Samarth, Phule Suvarna, Phule Safed, Hisar-2, Bhima Red, Bhima Kiran, Bhima Shakti, Bhima Shweta
<b>Garlic</b>	Agrifound White (G-41), Yamuna Safed G-1, Yamuna Safed-2 (G-50), Yamuna Safed-3 (G-282), Yamuna Safed-4 (G-323)
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailj, Kufri Chipsona-3, Kufri Surya, Kufri Khyati, Kufri Frysona, Kufri Chipsona-4



# MAHARASHTRA



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Hybrid-2, Arka Ananya, Arka Vikas, Arka Abha, Arka Saurabh, HS-101, HS-102, Hisar Lalit, Hisar Arun, Dhanashree, Phule Raja
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Uttam, Pusa Bindu, Pusa Ankur, Pusa Hybrid-9, Arka Anand, Arka Navneet, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, GBH-1, Anand Brinjal Small Round-2, Pant Samrat, Krishna, Phule Arjun, Phule Harit
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Lohit, Arka Suphal, Chilli-101, Pant C-1, Phule Jyoti, Phule Mukta, Pathori, Dhobri, Chaski
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Phule Priya
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna,
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1, Ganesh Broccoli
<b>Cowpea</b>	Arka Garima, Arka Samrudhi, Kashi Kanchan
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Anoop, Phule Suyesh
<b>Carrot</b>	Pusa Meghali, Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Naveen, Pusa Santusti, Pusa Hybrid-3, Arka Bahar, Bottle Gourd (NDBG-619), Samart
<b>Bitter Gourd</b>	Phule Green Gold
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Cucumber</b>	Himangi, Phule Shubhangi
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Gujarat Muskmelon-3
<b>Water Melon</b>	Sugar Baby, Arka Manik
<b>Pumpkin</b>	Pusa Vishwas
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219

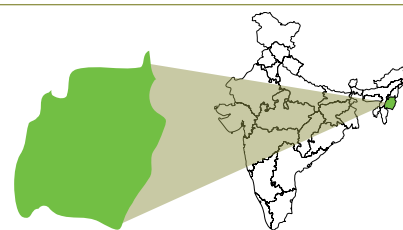


Crop	Varieties
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142, Phule Utkarsha
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Pusa Madhvi, Pusa Ratnagar, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), Agrifound White, Punjab Selection, N-53, Phule Samarth, Phule Suvarna, Phule Safed, Hisar-2, Bhima Red, Bhima Super, Bhima Kiran, Bhima Shakti, Bhima Shweta, Bhima Shubra, N-2-4-1, Baswant-780
<b>Garlic</b>	Agrifound white (G-41), Yamuna Safed (G-1), Yamuna Safed-3 (G-282), Bhima Purple
<b>Potato</b>	Kufri Jyoti, Kufri Lauvkar, Kufri Pukhraj, Kufri Surya, Kufri Chipsona-3, Kufri Chipsona-4



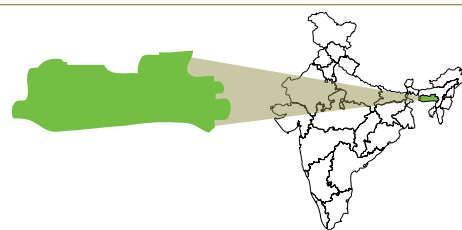


## MANIPUR



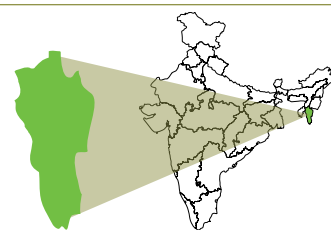
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, JC-1, JC-2, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-5 (G-189)
<b>Potato</b>	Kufri Himsona, Kufri Girdhari

## MEGHALAYA



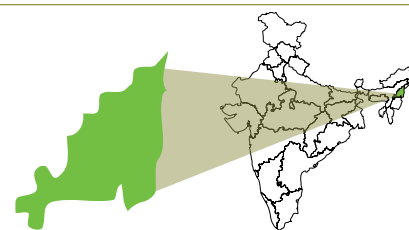
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, JC-1, JC-2, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-5 (G-189)
<b>Potato</b>	Kufri Jyoti, Kufri Himsona, Kufri Girdhari

## MIZORAM



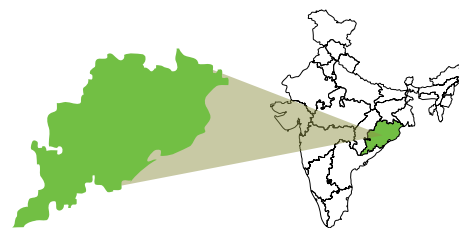
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, JC-1, JC-2, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-5 (G-189)
<b>Potato</b>	Kufri Girdhari, Kufri Himsona, Kufri Jyoti

## NAGALAND



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, JC-1, JC-2, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-5 (G-189)
<b>Potato</b>	Kufri Girdhari, Kufri Himsona, Kufri Jyoti

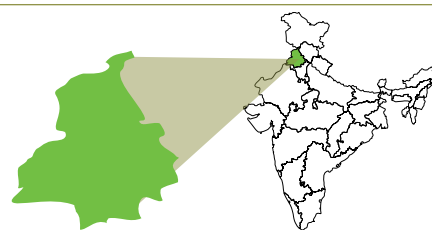
## ODISHA



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Hybrid 4 Arka Ananya, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Kashi Vishesh, Kashi Hemant, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Anand Brinjal Small Round-2, Pant Rituraj
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Lohit, Arka Meghana, Kashi Surkh, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Pragati, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Kashi Kanchan
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Bitter Gourd</b>	Pusa Hybrid-2
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Water Melon</b>	Sugar Baby
<b>Pumpkin</b>	Pusa Vishwas
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Sel-126, Arka Kalyan, Agrifound Dark Red, Agrifound Light Red, Agrifound White, N-53, Hisar-2, Bhima Shakti, Bhima Shweta
<b>Garlic</b>	Yamuna Safed (G-1)
<b>Potato</b>	Kufri Girdhari, Kufri Lauvkar, Kufri Badshah, Kufri Pukhraj, Kufri Surya, Kufri Jyoti, Kufri Himsona, Kufri Chandramukhi



## PUNJAB



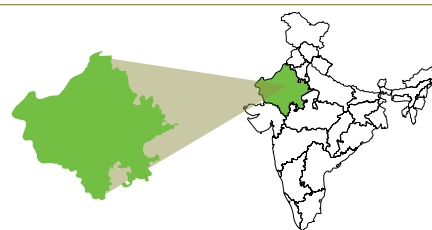
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal Pusa Hybrid 2, Pusa Hybrid 4, Pusa Gaurav, Pusa Uphar, Pusa Hybrid-8, Pusa Divya, Arka Ananya, Arka Vardan, Arka Vishal, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, HS-101, HS-102, Hisar Lalit, Hisar arun, Pant Bahar, Pant T-3, Pant Polyhouse Tomato-1, Pant Polyhouse Tomato-Hybrid-1, Azad T-5, Azad T-6, KTH-2 (Hybrid), KTH-1 (Hybrid)
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Kranti, Pusa Uttam, Pusa Upkar, Pusa Shyamla, Pusa Hybrid-5, Pusa Hybrid-6, DBL-02, DBHL-20, Arka Navneet, Arka Kusumakar, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, GBH-1, Pant samrat, Pant Rituraj, Azad B-2, Azad B-3, Azad B-4, Azad Hybrid
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Meghana, Arka Sweta, Kashi Early, Kashi Anmol, Kashi Surkh, Pant C-1, CH-1, Sanauri
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Kranti, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit, Kashi Nandini, Pant Matar-2, Pant Sabji Matar-3, Pant Sabji Matar-4, Pant Sabji Matar-5, Azad P-2, Azad P-4, Azad P-5
<b>Cauliflower</b>	Pusa Deepali, Improved Japanese, Pusa Shubra, Pusa Hybrid 2 Pusa Early Synthetic, Pusa Paushja, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Pusa Kartik Sankar, Kashi Kunwari, Hisar-1, Pant Shubra, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre, Pusa Mukta, KGMR-1
<b>Knol Khol</b>	Purple Vienna, White Vienna,
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Pusa Komal, Kashi Kanchan
<b>Lab Lab Bean</b>	Pusa Sem-2, Pusa Sem-3X
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop, Pant Anupama
<b>Carrot</b>	Nantes, Pusa Kesar, PusaYamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant, Kashi sweta, kasha Hans
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Santusti, Pusa Hybrid-3, Hybrid Kashi Bahar, Kashi Ganga, Pant Lauki-4, N. Bottle Gourd Hybrid-4, Azad Nutan
<b>Bitter Gourd</b>	Pusa Do Mousami, Pusa Vishesh, Pusa Hybrid-2, Kashi Urvasi
<b>Sponge Gourd</b>	Pusa Chikni, Pusa Supriya, Azad Taroi-2
<b>Ridge Gourd</b>	Pusa Nasdar



Crop	Varieties
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Pusa Sharbati, Kashi Madhu, Gujarat Muskmelon-3
<b>Water Melon</b>	Arka Manik
<b>Pumpkin</b>	Pusa Vishwas, N. Agrim, Azad Pumpkin-1
<b>Ash Gourd</b>	Kashi Ujawal
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Sel-126, Arka Kalyan, Pusa Ratnagar, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), NHRDF Red-2(L-355), Punjab Selection, Punjab Red Round, Punjab-48, Kalyanpur Red Round, N-53, Hisar-2, Bhima Kiran, Bhima Shakti, Bhima Shweta
<b>Garlic</b>	Bhima Purple, Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-3 (G-282), Yamuna Safed-4 (G-323), Yamuna Safed-5 (G-189)
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona-3, Kufri Surya, Kufri Khyati, Kufri Frysona



# RAJASTHAN



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Gaurav, Pusa Uphar, Arka Ananya, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Kashi Anupam, HS-101, HS-102, Hisar Lalit, Hisar arun
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Uttam, Pusa Bindu, Pusa Hybrid-5, Pusa Hybrid-6, Pusa Hybrid-9, Arka Anand, Arka Navneet, Arka Kusumakar, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, GBH-1, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Meghana, Arka Sweta, Kashi Surkh, Pant C-1, CH-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Vibhuti, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit
<b>Cauliflower</b>	Improved Japanese, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Pusa Hybrid-2, Hisar-1, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna,
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Arka Samrudhi
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3, Pant Lauki-4, N. Bottle Gourd Hybrid-4, N. Bottle Gourd (NDBG-132)
<b>Bitter Gourd</b>	Pusa Hybrid-2
<b>Sponge Gourd</b>	Pusa Chikni, Pusa Supriya
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Cucumber</b>	Pusa Sanyog
<b>Long Melon</b>	Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Arka Jeet
<b>Pumpkin</b>	Azad Pumpkin-1
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran

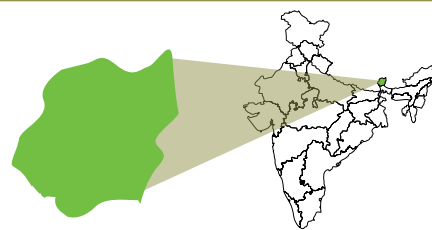




Crop	Varieties
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Sel-126, Arka Kalyan, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), NHRDF Red-2(L-355), Agrifound White, Udaipur-103, Udaipur-102, N-53, Baswant-780, Hisar-2, Bhima Raj, Bhima Shakti, Phule Samarth
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-3 (G-282), Yamuna Safed-4 (G-323), Yamuna Safed-5 (G-189), Bhima Omkar
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona-3, Kufri Surya, Kufri Khyati, Kufri Frysona



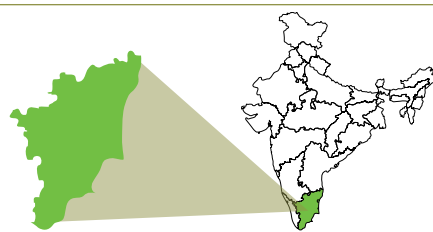
## SIKKIM



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, JC-1, JC-2, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed(G-1), Yamuna Safed-5(G-189), Agrifond Parvati-2(G-408)
<b>Potato</b>	Kufri Badshah, Kufri Jyoti, Kufri Arun, Kufi Surya, Kufri Himsona, Kufri Kanchan, Kufri Girdhari



## TAMIL NADU



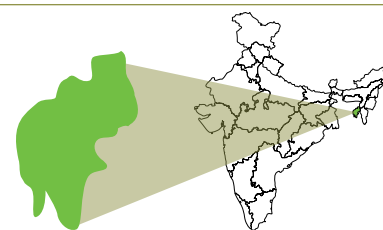
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Hybrid 2, Pusa Hybrid 4, Arka Vardan, Arka Vishal, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, HS-101, HS-102, Hisar Lalit, Hisar Arun, Hybrid CO 3
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Anupama, Pusa Hybrid-5, Pusa Hybrid-6, Arka Anand, Arka Navneet, Arka Sheel, Arka Kusumakar, Arka Shirish, Arka Nidhi, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, CO 1, MDU 1, PKM 1, CO 2, KKM 1, COBH 1, PPI 1, COBH 2, PLR (BR) 2, VRM 1
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Lohit, Arka Harit, Arka Meghana, Arka Sweta, Pant C-1, CO 1, CO 2, K 1, K 2, PMK 1, PKM 1, MDU 1, CO 3, PLR 1, CO 4, Hybrid Co 1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142, CO 1, CO 2, CO 3, COBH 1
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit, Kashi Nandini, Ooty 1, Poletype Ooty 1
<b>Cauliflower</b>	Pusa Early Synthetic, Pusa Snowball K-1, Pusa Snowball Kt-25, Hisar-1, Ooty.1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Arka Garima, PKM-1
<b>Lab Lab Bean</b>	Arka Jay, Arka Vijay
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Anoop, TKD.1, YCD.1
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant, CO 1
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe, Ooty.1
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3, CO 1, Hybrid CO 1
<b>Bitter Gourd</b>	Arka Harit, CO 1, MDU 1, COBgoH 1
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar, CO 1, CO 2, PKM 1
<b>Long Melon</b>	Arka Sheetal, Karnal selection
<b>Musk Melon</b>	Pusa Madhuras, Arka Jeet, Arka Rajhans
<b>Water Melon</b>	Sugar Baby, Arka Manik, Arka Jyoti, PKM.1
<b>Round Melon</b>	Hisar Tinda (HT-10)
<b>Pumpkin</b>	Arka Suryamukhi, Arka Chandan, CO 1, CO 2
<b>Ash Gourd</b>	Pusa Ujawal, Kashi Ujawal, CO 1, CO 2, Hybrid CO1



Crop	Varieties
<b>Cucumber</b>	CO 1
<b>Summer Squash</b>	Australian Green, Pusa Alankar, Patty pan
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit, Ooty.1
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, Hisar Madhavi, Hisar Manohar, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Arka Kalyan, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, Agrifound Red, Punjab Selection, N-53, Co-1, Co-2, Co-3, MDU-1, Co-4, Co-5, Hisar-2, Phule Samarth, CO 2, CO 3, CO 4, CO (On) 5 (Seed propagated)
<b>Garlic</b>	Yamuna Safed (G-1), Ooty.1
<b>Potato</b>	Kufri Chandramukhi, Kufri Jyoti, Kufri Lauvkar, Kufri Badshah, Kufri Swarna, Kufri Pukhraj, Kufri Surya, Kufri Giridhari



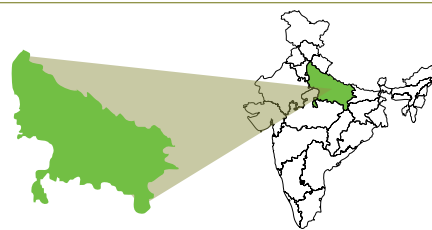
## TRIPURA



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby Pusa Hybrid 2, Pusa Hybrid 4, Pusa Sheetal, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, JC-1, JC-2, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Long Melon</b>	Karnal selection
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-5 (G-189)
<b>Potato</b>	Kufri Girdhari, Kufri Jyoti, Kufri Himsona



## UTTAR PRADESH



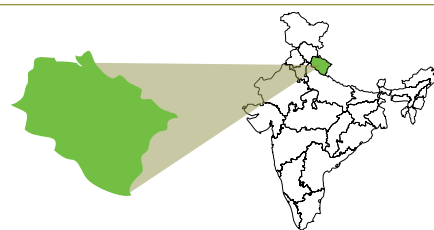
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Gaurav, Pusa Uphar, Pusa Rohini, Pusa Hybrid 2, Pusa Sadabahar, Pusa Hybrid-8, Pusa Divya, Arka Ananya, Arka Vardan, Arka Vishal, Arka Abhijit, Arka Vikas, Arka Abha, Arka Saurabh, Arka Alok, Kashi Vishesh, Kashi Amrit, HS-101, HS-102, Hisar Lalit, Hisar arun, Pant Bahar, Pant T-3, Pant Polyhouse Tomato-1, Pant Polyhouse Tomato-Hybrid-1, Azad T-5, Azad T-6, KTH-2 (Hybrid), KTH-1 (Hybrid)
<b>Brinjal</b>	Pusa Purple Long, Pusa Purple Cluster, Pusa Kranti, Pusa Uttam, Pusa Bindu, Upkar, Pusa Hybrid-5, Pusa Hybrid-6, Arka Navneet, Arka Kusumakar, Kashi Sandesh, Kashi Taru, Kashi Prakash, Kashi Komal, PH-4, BR-112, Hisar Shyamal, GBH-1, Pant samrat, Pant Rituraj, Pant Brinjal Hybrid-1, Azad B-2, Azad B-3, Azad B-4, Azad Hybrid
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Arka Meghana, Arka Sweta, Kashi Early, Kashi Anmol, Kashi Surkh, Pant C-1
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Kashi Kranti, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142, Azad Bhindi-1, Azad Bhindi-3
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Arka Ajit, Kashi Nandini, Kashi Uday, Pant Uphar, Pant Matar-2, Pant Sabji Matar-3, Pant Sabji Matar-4, Pant Sabji Matar-5, Azad P-3, Azad P-2, Azad P-4, Azad P-5
<b>Cauliflower</b>	Improved Japanese, Pusa Shubra, Pusa Early Synthetic, Pusa Paushja, Pusa Megna, Pusa Sharad, Pusa Shukti, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Pusa Kartik Sankar, Kashi Kunwari, Hisar-1, Pant Shubra, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre, Pusa Mukta, KGMR-1
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	Pusa Sukomal, Pusa Komal, Kashi Kanchan, Kashi Unnati, Kashi Gauri
<b>Lab Lab Bean</b>	Pusa Sem-2, Pusa Sem-3, Kalyanpur type 2, Rajni, Azad Sem-1
<b>Broad Bean</b>	Pusa Sumeet
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Suvidha, Arka Anoop, Pant Anupama, Pant Bean-2, Azad Rajmash
<b>Carrot</b>	Pusa Rudhira, Pusa Asita, Pusa Vrishti, Nantes, Pusa Kesar, Pusa Yamdagni, Pusa Nayanjyoti
<b>Radish</b>	Pusa Chetki, Pusa Mridula, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant, Kashi sweta, kasha Hans
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe



Crop	Varieties
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Samridhi, Pusa Sandesh, Pusa Hybrid-3, Hybrid Kashi Bahar, Kashi Ganga, Pant Sankar Lauki-1, Pant Sankar Lauki-2, Pant Lauki-4, N. Bottle Gourd Hybrid-4, N. Rashmi (NDBG-1), N. Dharidar (NDBG-208-1), N. Jyoti (NDBG-104), N. Shishir (NDBG-202), N. Madhuri (NDBG-505), N. Shivani (NDBG-403), N. Bottle Gourd (NDBG-132), Bottle Gourd (NDBG-619), Azad Nutan
<b>Bitter Gourd</b>	Pusa Do Mousami, Pusa Vishesh, Pusa Hybrid-1, Pusa Hybrid-2, Kashi Urvasi, Pant Karela-1
<b>Sponge Gourd</b>	Pusa Chikni, Pusa Supriya, Pusa Sneha, Azad Taroi-1, Azad Taroi-2
<b>Ridge Gourd</b>	Pusa Nasdar, Pusa Nutan, Pant Torai-1
<b>Cucumber</b>	Pusa Uday, Pant Sankar Khira-1, Pant Khira-1, Pant Parthenocarpic Khira-2, Parthenocarpic Khira-3
<b>Long Melon</b>	Karnal selection, Pant Kakri-1
<b>Musk Melon</b>	Pusa Madhuras, Pusa Sharbati, Kashi Madhu, Gujarat Muskmelon-3
<b>Water Melon</b>	Arka Manik
<b>Snap Melon</b>	Pusa Shandar
<b>Pumpkin</b>	Pusa Vishwas, Pusa Vikas, Pusa Hybrid-1, Kashi Harit, N. Agrim, N. Amrit, N. Abhooshan, Azad Pumpkin-1
<b>Ash Gourd</b>	Kashi Ujawal
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Vegetable Mustard</b>	Pusa Sag-1
<b>Chenopodium (Bathua)</b>	Pusa Bathua-1
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Sel-126, Arka Kalyan, Pusa Ratnagar, Arka Niketan, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), NHRDF Red-2(L-355), Punjab Selection, Punjab Red Round, Punjab-48, Kalyanpur Red Round, N-53, Hisar-2, Bhima Kiran, Bhima Shakti, Bhima Shweta
<b>Garlic</b>	Yamuna Safed G-1), Yamuna Safed-2 (G-50), Yamuna Safed-4 (G-323), Yamuna Safed-5 (G-189), Agrifound Parvati, (G-313), Bhima Purple, Pant Lohit
<b>Potato</b>	Kufri Sindhuri, Kufri Chandramukhi, Kufri Jyoti, Kufri Badshah, Kufri Bahar, Kufri Ashoka, Kufri Pukhraj, Kufri Chipsona-1, Kufri Arun, Kufri Pushkar, Kufri Shailja, Kufri Chipsona-3, Kufri Surya, Kufri Himalini, Kufri Sadabahar, Kufri Khyati, Kufri Frysona, Kufri Himsona



## UTTARAKHAND



Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Hybrid 2, Arka Abha, Kashi Vishesh, Kashi Sharad, HS-101, HS-102, Hisar Lalit, Hisar arun, Pant Bahar, Pant T-3, Pant Poly house tomato-1, Pant Poly house tomato hybrid-1, Azad T-5, Azad T-6, KTH-2 (Hybrid), KTH-1 (Hybrid)
<b>Brinjal</b>	Pusa Purple Cluster, Pusa Shyamla, Arka Navneet, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Pant samrat, Pant Rituraj, Pant Brinjal Hybrid-1, Azad B-2, Azad B-3, Azad B-4, Azad Hybrid
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Pant C-1, Khasi Surkh, Kashi Anmol
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati, Kashi Nandini, Pant Uphar, Pant Matar-2, Pant Sabji Matar-3, Pant Sabji Matar-4, Pant Sabji Matar-5, Azad P-2, Azad P-4, Azad P-5
<b>Cauliflower</b>	Pusa Paushja, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Hisar-1, Pant Shubra
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre, KGMR-1
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Brussel's Sprouts</b>	Hills Ideal
<b>Cowpea</b>	Kashi Gauri
<b>French Bean</b>	Contender, Pusa Parvati, Arka Komal, Arka Suvidha, Arka Anoop, Kashi Param, Pant Anupama, Pant Bean-2
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Santusti, Pusa Hybrid-3, Pant Sankar Lauki-1, Pant Sankar Lauki-2, Pant Lauki-4, Azad Nutan
<b>Bitter Gourd</b>	Pant Karela-1
<b>Sponge Gourd</b>	Pusa Chikni, Azad Taroi-2
<b>Ridge Gourd</b>	Pusa Nasdar, Pant Torai-1
<b>Cucumber</b>	Pusa Sanyog, Pant Sankar Khira-1, Pant Khira-1, Pant Parthenocarpic Khira-2, Parthenocarpic Khira-3
<b>Long Melon</b>	Karnal selection, Pant Kakri-1
<b>Water Melon</b>	Asahi Yamato
<b>Pumpkin</b>	Pusa Vishwas, Kashi Harit, Azad Pumpkin-1
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit

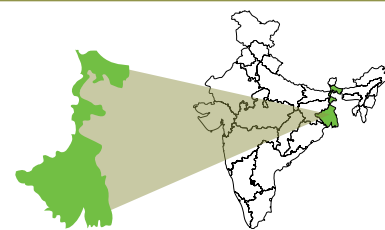




Crop	Varieties
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-4 (G-323), Agrifound Parvati, (G-313), Agrifond Parvati-2 (G-408), Pant Lohit
<b>Potato</b>	Kufri Jyoti, Kufri Himalini, Kufri Himsona, Kufri Sadabahar, Kufri Giridhari, Kufri Frysona, Kufri Khyati, Kufri Surya, Kufri Chipsona-3, Kufri Shailja, Kufri Pushkar, Kufri Arun, Kufri Chipsona-1, Kufri Bahar, Kufri Sindhuri



## WEST BENGAL



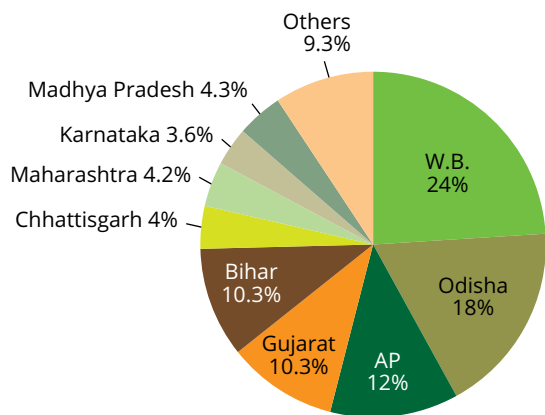
Crop	Varieties
<b>Tomato</b>	Pusa-120, Pusa Ruby, Pusa Sheetal, Pusa Hybrid-2, Arka Abha, HS-101, HS-102, Hisar Lalit, Hisar Arun
<b>Brinjal</b>	Pusa Purple Cluster, Pusa Uttam, Pusa Bindu, Pusa Hybrid-5, Pusa Hybrid-6, Arka Navneet, Kashi Sandesh, Kashi Komal, PH-4, BR-112, Hisar Shyamal, Pant samrat
<b>Chilli</b>	Pusa Jwala, Pusa Sadabahar, Kashi Surkh, Pant C-1, Siti and Suti, Akashi
<b>Capsicum</b>	California Wonder, Pusa Deepti, Arka Mohini, Arka Gaurav, Arka Basant
<b>Okra</b>	Pusa Sawani, Pusa A4, Perkins Long Green, Arka Abhay, Arka Anamika, Varsha Uphar, Hisar Unnat, Hisar Naveen, HBH-142
<b>Pea</b>	Bonneville, Arkel, Pusa Pragati
<b>Cauliflower</b>	Improved Japanese, Pusa Snowball K-1, Pusa Snowball Kt-25, Pusa Himjyoti, Pusa Hybrid-2, Pusa Kartik Sankar, Hisar-1, Pant Gobhi-2, Pant Gobhi-3
<b>Cabbage</b>	Pusa Ageti, Pusa Drum Head, Golden Acre, Pusa Mukta
<b>Knol Khol</b>	Purple Vienna, White Vienna
<b>Sprouting Broccoli</b>	Pusa Broccoli Kt-1
<b>Cowpea</b>	AVCP-1
<b>French Bean</b>	Contender, Pusa Parvati, Arka Anoop
<b>Carrot</b>	Nantes, Pusa Kesar, Pusa Yamdagni
<b>Radish</b>	Pusa Chetki, Japanese White, Pusa Reshmi, Pusa Desi, Pusa Himani, Arka Nishant
<b>Turnip</b>	Purple Top White Globe, Pusa Swarnima, Pusa Chandrima, Pusa Sweti, Pusa Kanchan
<b>Beet Root</b>	Detroit dark Red, Crimson Globe
<b>Bottle Gourd</b>	Pusa Summer Prolific Long, Pusa Hybrid-3, Pant Lauki-4
<b>Sponge Gourd</b>	Pusa Chikni
<b>Ridge Gourd</b>	Pusa Nasdar
<b>Cucumber</b>	Pusa Sanyog
<b>Long Melon</b>	Karnal selection
<b>Summer Squash</b>	Australian Green, Pusa Alankar
<b>Palak</b>	Pusa Bharati, Pusa Jyoti, Pusa Harit
<b>Amaranthus</b>	Pusa Lal Chaulai, Pusa Kirti, Pusa Kiran
<b>Fenugreek</b>	Pusa Early Bunching, Pusa Kasuri, Hisar Sonali, Hisar Mukta, HM-219
<b>Vegetable Mustard</b>	Pusa Sag-1
<b>Chenopodium (Bathua)</b>	Pusa Bathua-1
<b>Lettuce</b>	Great Lakes, Chinese Yellow
<b>Parsley</b>	Moss Curled
<b>Onion</b>	Pusa White Flat, Pusa White Round, Pusa Red, Pusa Ratnar, Agrifound Dark Red, Agrifound Light Red, NHRDF-Red(L-28), NHRDF Red-2(L-355), N-53, Hisar-2
<b>Garlic</b>	Yamuna Safed (G-1), Yamuna Safed-2 (G-50), Yamuna Safed-4 (G-323)
<b>Potato</b>	Kufri Chandramukhi, Kufri Jyoti, Kufri Himalini, Kufri Himsona, Kufri Giridhari, Kufri Chipsona-4, Kufri Sindhuri, Kufri Bahar, Kufri Ashoka, Kufri Chipsona 1, Kufri Kanchan, Kufri Arun, Kufri Puskar, Kufri Shailja, Kufri Chipsona 3, Kufri Khyati



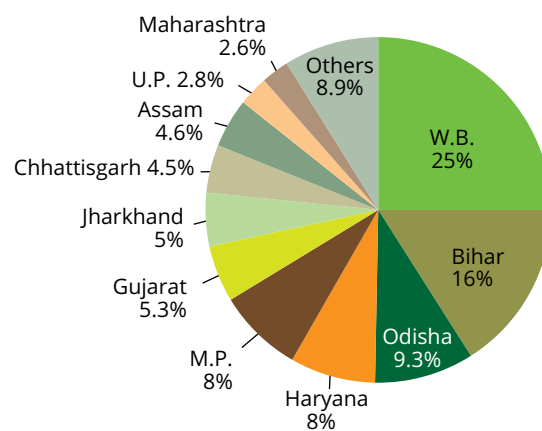


# LEADING VEGETABLES PRODUCING STATES

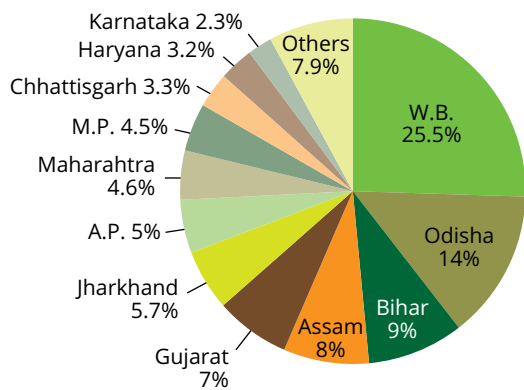
### Brinjal



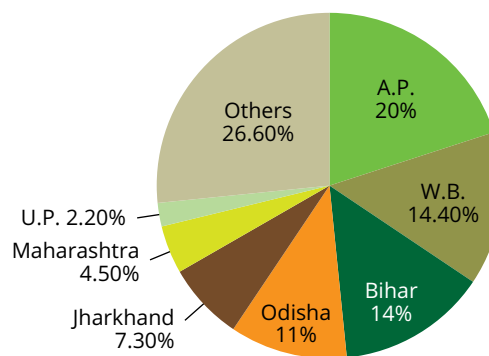
### Cauliflower



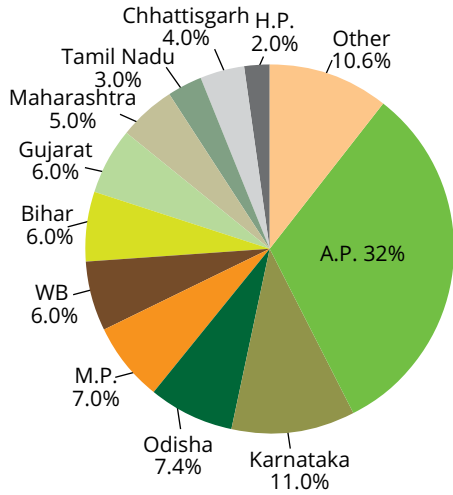
### Cabbage



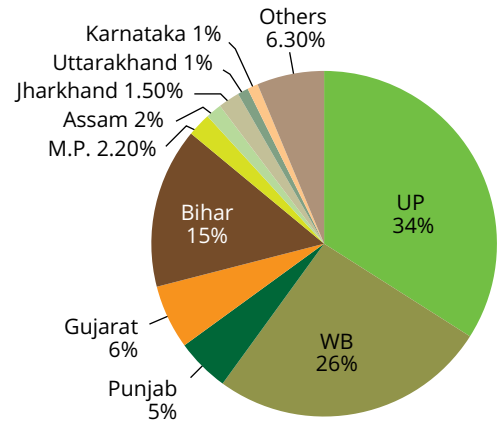
### Okra



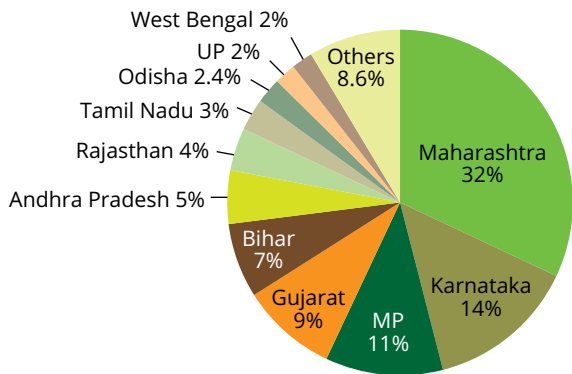
**Tomato**



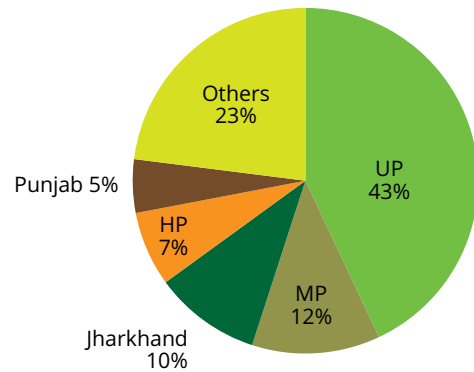
**Potato**



**Onion**



**Peas**





# MAJOR VEGETABLES PRODUCING BELTS IN INDIA

## 1. Ash Gourd:

- **Bihar:** Patna, Nalanda, Gaya, Jehanabad, Arwal, Muzaffarpur, Vaishali, Samastipur, Kishanganj, Katihar, Munger, Bhojpur, Rohtas
- **Jharkhand:** Ranchi, Palamu, Ramgarh, Hazaribag, Dumka
- **Karnataka:** Haveri, Hassan, Bijapur, Mandya, Koppal, Tumkur
- **Kerala:** Parappanangadi, Angadippuram, Manjeri
- **Punjab:** Jalandhar, Kapurthala
- **Tamil Nadu:** Dindigul, Trippur, Coimbatore, Salem, Theni, Kaneheepuram, Tirunelveli, Kanyakumari
- **Uttar Pradesh:** Bareilly, Ghaziabad, Ghazipur, Meerut, Aligarh, Agra, Muzaffarnagar, Firozabad, Varanasi, Allahabad

## 2. Beans

- **Andhra Pradesh:** Chittoor (Madanapalli, Bkottakotla, Peddathippasamudram (PTM) Nimmanapalli, Turakalakota, Ramasamudram, Kuppam, Ramakuppam, Shantipuram, Baireddypalli, V. Kota, Mulakalacheruvu, Gudipalli)
- **Chhattisgarh:** Raipur, Rajnandgaon, Kabirdham, Jagdalpur, Kondagaon, Kanker, Janjgir-Champa, Korba, Raigarh, Surguja, Surajpur, Balrampur, Koriya
- **Jharkhand:** Ranchi (Pithoria, Mandar, Burmu), Ramgarh, Hazaribagh, Dumka
- **Karnataka:** Kolar, Belgaum, Haveri, Hassan, Chamarajanagar, Mandya, Bengaluru Rural
- **Madhya Pradesh:** Bhopal, Jabalpur, Satna, Sagar, Ratlam, Vidisha, Dewas, Ujjain, Chattarpur, Indore
- **Maharashtra:** Nasik, Pune, Latur, Ahmednagar, Nagpur, Wardha, Chandrapur, Solapur, Gondia, Buldana, Satara, Aurangabad
- **Nagaland:** Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
- **Odisha:** Kandhamal (Raikia), Koraput (Patangi, Semiliguda, Nandapur), Cuttack (Athgarh)
- **Uttar Pradesh:** Varanasi, Allahabad, Mirzapur, Ghazipur, Balia, Lucknow, Ghaziabad, Agra, Kanpur, Jalaun, Jhansi, Meerut, Muzaffernagar
- **Uttarakhand:** Almora, Chamoli, Champawat, Dehradun, Nainital, Pauri, Pithoragarh, Tehri

## 3. Beet Root

- **Andhra Pradesh:** Rangareddy (Chevella, Shankarpalli, Vikarabad, Shabad, Nawabpet, Moinabad, Maheshwaram, Yacharam, Manchal, Kandukur)
- **Bihar:** Patna, Nalanda, Bhojpur, Gaya, Saran, Siwan, Gopalganj, East & West Champaran, Muzaffarpur, Sitamarhi, Sheohar, Vaishali, Bhagalpur, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura, Supaul

- **Haryana:** Ambala, Yamuna Nagar, Kurukeshtra, Sonipat, Rohtak, Jhajjar, Faridabad, Narnaul, Gurgaon, Bhiwani, Hissar, Fatehabad, Sirsa, Jind, Mewat
- **Jharkhand:** Ramgarh, Hazaribagh, Dumka
- **Karnataka:** Dharwad, Haveri, Chamarajanagar, Kolar, Belgaum, Hassan, Chikmagalur, Mandya, Raichur, Ramanagara, Davanagere, Mysore, Bidar, Bengaluru Rural, Chikkaballapur
- **Madhya Pradesh:** Baitul, Chhindwara, Jabalpur, Sagar, Tikamgarh, Reeve, Satna, Vidisha, Rajgarh, Indore, Dhar, Barwani, Ratlam, Shajapur, Dewas, Bhopal
- **Maharashtra:** Pune, Nasik, Ahmednagar, Nagpur
- **Odisha:** Angul (Bantala, Purunagarh), Dhenkanal (Odapada)
- **Rajasthan:** Jaipur, Jodhpur, Ajmer, Alwar, Tonk, Sikar, Bundi, Bharatpur, Nagaur, Rajsamand, Ganganagar
- **Tamil Nadu:** Dindigul, Krishnagiri, Salem, Nilgiris
- **Uttar Pradesh:** Mainpuri, Meerut, Gautam Budh Nagar, Agra, Kanpur-Nagar, Kanpur Dehat, Kannauj, Kaushambi, Lucknow, Rae Bareilly, Gonda
- **Uttarakhand:** Almorah, Bageshwar, Chamoli, Dehradun, Nainital, Paudi, Pithoragarh, Tehri, Uttarkashi

#### 4. Bitter Gourd

- **Andhra Pradesh:** Ananthapur, Guntur, Kadapa, Karimnagar, Krishna, Mahbubnagar, Medak, Nalgonda, Nizamabad, Prakasam, Rangareddy, Vizianagaram, Warangal, East Godavari
- **Bihar:** Patna, Nalanda, Bhojpur, Buxar, Gaya, East & West Champaran, Muzaffarpur, Vaishali, Bhagalpur, Darbhanga, Madhubani, Begusarai, Purnea, Araria, Katihar, Saharsa, Madhepura, Supaul
- **Chhattisgarh:** Raipur, Baloda Bazar, Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Kanker, Bilaspur, Janjgir-Champa, Korba, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Koriya
- **Haryana:** Kaithal, Karnal, Panipat, Sonipat, Rohtak, Jhajjar, Faridabad, Narnaul, Gurgaon, Bhiwani, Fatehabad, Sirsa, Jind, Mewat, Palwal, Ambala, Yamunanagar, Kurukshetra,
- **Jharkhand:** Ranchi (Chanho)
- **Kerala:** Kaduthuruthy (Njeezhoor), Erattupetta (Melukavu, Thidanad, Poonjar Thekkekkara, Thalappalam), Kanjirappally (Koottickal, Mundakkayam, Koruthde, Manimala, Erumely), Vazhoor (Vellavoor)
- **Karnataka:** Haveri, Koppal, Bijapur, Mandya, Tumkur, Hassan,
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Maharashtra:** Nanded, Pune, Nasik, Beed, Parbhani, Kolhapur, Gondia
- **Mizoram:** Aizawl, Khawzawl, Lunglei, Tuidam
- **Odisha:** Khordha (Pitapalli, Bolagarh), Jajpur (Rasulpur), Cuttack (Niali), Koraput (Koraput, Dasbantpur, Laxmipur)
- **Tamil Nadu:** Dindigul, Trippur, Coimbatore, Salem, Kancheepuram, Kanyakumari
- **Uttar Pradesh:** Faizabad, Ambedkar Nagar, Kushi Nagar, Saharanpur, Agra, Ghaziabad, Moradabad, Gonda, Bahraich, Mainpuri



## 5. Bottle Gourd

- **Andhra Pradesh:** Khammam, Krishna, Nizamabad, Visakhapatnam, West Godavari, East Godavari
- **Bihar:** Patna, Nalanda, Bhojpur, Buxar, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East & West Champaran, Muzaffarpur, Sitamarhi, Sheohar, Vaishali, Bhagalpur, Munger, Khgaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura
- **Chhattisgarh:** Raipur, Baloda Bazar, Mahasamund, Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Jagdalpur, Kanker, Bilaspur, Janjgir-Champa, Koriya, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Narayanpur
- **Haryana:** Panipat, Sonipat, Rohtak, Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Jhajjar, Faridabad, Narnaul, Gurgaon, Bhiwani, Fatehabad, Sirsa, Jind, Mewat, Palwal
- **Karnataka:** Hassan, Haveri, Mandya, Koppal, Tumkur, Bijapur
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Maharashtra:** Nasik, Parbhani, Pune, Nandurbar, Dhule, Jalgaon, Ahmednagar, Satara, Gondia
- **Mizoram:** Khawzawl, Lunglei
- **Odisha:** Sambalpur (Maneswar, Padiabahal), Cuttack, (Dampada, Narsinghpur)
- **Rajasthan:** Alwar, Ganganagar, Jaipur, Tonk, Jodhpur, Ajmer
- **Tamil Nadu:** Dindigul, Trippur, Tirunelveli, Coimbatore, Salem, Kanchipuram, Kanyakumari
- **Uttar Pradesh:** Agra, Ghaziabad, Mainpuri, Meerut, Lucknow, Faizabad, Aligarh, Hathras, Bulandshahr, Bareilly, Kushi Nagar, Unnao
- **Uttarakhand:** Haridwar, Dehradun, Udham Singh Nagar

## 6. Brinjal

- **Andhra Pradesh:** East & West Godavari, Krishna, Guntur, Nellore, Kurnool, Anantapur, Srikakulam, Visakhapatnam
- **Assam:** All districts of Assam
- **Bihar:** Patna, Nalanda, Bhojpur, Buxar, Rohtas, Kaimur, Gaya, Jehanabad, Nawada, Aurangabad, Saran (Chhapra), Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Banka, Munger, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Araria, Katihar, Saharsa, Madhepura, Supaul
- **Chhattisgarh:** Raipur, Baloda Bazar, Balod, Bilaspur, Gariaband, Durg, Mahasamund, Janjgir-Champa, Jagdalpur, Kabirdham, Raigarh, Surguja, Surajpur, Kondagaon, Korba, Rajnandgaon, Dhamtari, Bemetara, Kanker, Mungeli, Jashpur, Balrampur, Koriya
- **Gujarat:** Ahmedabad, Gandhinagar, Dang, Narmada, Patan, Mehsana, Bhavnagar
- **Haryana:** Ambala, Yamunanagar, Karnal, Panipat, Sonipat, Rohtak, Gurgaon, Bhiwani, Hisar, Sirsa, Jind, Mewat
- **Himachal Pradesh:** Hamirpur, Una, Solan, Kangra, Bilaspur, Kulu
- **Jharkhand:** Ranchi (Bundu, Tamar, Mandar, Kanke), Ramgarh, Hazaribagh, Gumla, Dumka, Palamu



- **Karnataka:** Kolar, Belgaum, Dharwar, Bijapur, Hassan, Mysore, Tumkur
- **Kerala:** Erattupetta (Melukavu, Thidanad, Poonjar Thekkekara, Thalappalam), Kanjirappally (Koottickal, Mundakkayam, Koruthde, Manimala, Erumely)
- **Madhya Pradesh:** Jabalpur, Narsinghpur, Damoh, Sagar, Hoshangabad, Chhattarpur, Satna, Vidisha, Raisen, Barwani, Ratlam, Bhopal, Harda, Ujjain, Dewas, Mandsaur, Rewa
- **Maharashtra:** Nagpur, Satara, Solapur, Parbhani, Pune, Sangali, Bhandara, Amravati, Wardha, Chandrapur, Latur, Nashik, Dhule, Beed, Aurangabad
- **Mizoram:** Aizawl, Khawzawl, Lunglei, Tuidam
- **Nagaland:** Dimapur, Wokha
- **Odisha:** **Puri** (Astaranga, Nimapada, Satyabadi), **Jajpur** (Panikoili, Barabati, Nischintakoili), **Cuttack** (Banki, Athgarh, Tigria), **Keonjhar** (Dhenkikote, Jhumpura), **Sambalpur** (Padiabahal), **Koraput** (Narayanpatna, Bandhugaon)
- **Rajasthan:** Alwar, Bundi, Dholpur, Ganganagar, Jaipur, Jhalawar, Jodhpur, Sawai Madhopur, Tonk, Ajmer, Baran, Hanumangarh, Kota
- **Tamil Nadu:** Dindigul, Coimbatore, Dharmapuri, Salem, Theni, Pudukottai, Vellore, Trippur
- **Tripura:** Major Part of Tripura
- **Uttar Pradesh:** Agra, Meerut, Mainpuri, Kanpur Nager, Lucknow, Gonda, Raebareli, Hardoi, Banda, Chitrakoot, Mahoba, Firozabad, Bareilly, Etah, Allahabad
- **Uttarakhand:** Chamoli, Dehradun, Nainital, Udham Singh Nagar
- **West Bengal:** Nadia, Murshidabad, North & South 24 Parganas, Malda, Jalpaiguri, Cooch Behar

## 7. Cabbage

- **Andhra Pradesh:** Kurnool, Rangareddy, Chittoor, Guntur
- **Arunachal Pradesh:** West Kameng, Twang, Lower Subansiri, Kurung Kumey, Upper Siang, Upper Dibang Valley
- **Assam:** All districts of Assam
- **Bihar:** Patna, Nalanda, Bhojpur, Rohtas, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Sitamarhi, Shohar, Vaishali, Bhagalpur, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura
- **Chhattisgarh:** Gariaband, Baloda Bazar, Mahasamund, Dhamtari, Raipur, Durg, Balod, Bemetara, Jagdalpur, Kondagoan, Kanker, Bilaspur, Janjgir-Champa, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur
- **Gujarat:** Ahmedabad, Anand, Gandhinagar, Dahod, Panchmahal, Patan, Banaskantha, Mehsana, Sabarkantha
- **Haryana:** Ambala, Sonipat, Rohtak, Faridabad, Narnaul, Gurgaon, Fatehabad, Sirsa, Jind, Palwal, Yamunanagar, Kurukshetra, Karnal,
- **Himachal Pradesh:** **Shimla** (Theog, Mashobra), **Kullu** (Kullu, Bajaura, Banjar)
- **Jharkhand:** Lohardaga, Ramgarh, Hazaribag, Gumla, Dumka, Palamu, Ranchi (Pithoria, Chutia, Mandar, Ratu)





- **Karnataka:** Haveri, Hassan, Bellary, Dakshin Kannada, Chamarajanagar, Chikmagalur, Mandya, Raichur, Bengaluru Rural, Chikkaballapur, Ramanagara, Davanagere, Mysore, Bidar, Kolar, Belgaum, Dharwad
- **Madhya Pradesh:** Jabalpur, Sagar, Tikamgarh, Reeva, Satna, Vidisha, Rajgarh, Indore, Dhar, Barwani, Ratlam, Shajapur, Dewas, Bhopal, Baitul, Chhindwara,
- **Maharashtra:** Nasik, Pune, Satara, Chandrapur, Nagpur, Ahmednagar, Sangli
- **Manipur:** Ukhrul
- **Meghalaya:** All districts of Meghalaya
- **Mizoram:** Aizawl, Tuidam, Saiha, Kolashib, Serchhip, Khawzawl
- **Nagaland:** Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
- **Odisha:** Cuttack (Athgarh, Banki, Baranga), Puri (Nimapara, Astaranga), Sambalpur (Kuchinda), Dhenkanal (Kamakshyanagar, Shankarpur), Koraput (Patangi, Semiliguda, Lamtaput, Nandapur)
- **Punjab:** Patiala (Sanaur, Nabha, Rajpura, Ghanaur), Fatehgarh Sahib (Khamano, Bassi Pathana)
- **Rajasthan:** Ajmer, Alwar, Ganganagar, Jaipur, Tonk, Sikar, Jodhpur, Bundi, Bharatpur, Nagaur, Rajsamand
- **Sikkim:** North, East, West & South Districts
- **Tamil Nadu:** Krishnagiri, Theni, Nilgiris
- **Tripura:** West, South, Dhalai & North Districts
- **Uttar Pradesh:** Bulandshahar, Unnao, Mainpuri, Gorakhpur, Meerut, Etah, Agra, Mathura, Aligarh, Faizabad, Lucknow, Gonda, Firozabad, Pratapgarh
- **Uttarakhand:** Dehradun, Haridwar, Nainital, Tehri, Champawat
- **West Bengal:** Paschim Medinipur, South 24 Parganas, North 24 Parganas, Nadia, Murshidabad

## 8. Capsicum

- **Andhra Pradesh:** Chittoor, Rangareddy, Hyderabad, Anantapur
- **Chhattisgarh:** Durg, Raipur
- **Gujarat:** Sabarkantha, Mehsana, Ahmedabad, Kheda, Anand, Vadodara, Surat, Rajkot
- **Himachal Pradesh:** **Solan** (Solan, Kandaghat, Kunihar, Dharmpur, Vaknaghat), **Sirmour** (Pacchad, Sangarh, Rajgarh), **Shimla** (Shogi, Theog)
- **Jharkhand:** Ranchi (Mandar, Burmu)
- **Karnataka:** Kolar, Belgaum, Haveri
- **Madhya Pradesh:** Indore, Ujjain, Bhopal, Jabalpur, Khargone, Mandsaur
- **Maharashtra:** Nasik, Pune, Thane, Aurangabad, Buldana, Satara, Kolhapur, Latur, Gondia
- **Rajasthan:** Jaipur, Alwar, Sikar, Udaipur
- **Tamil Nadu:** Krishnagiri, The Nilgiris
- **Uttarakhand:** Almora, Champawat, Nainital, Pauri, Kotdwar, Chamoli, Pithoragarh, Tehri, Rudra Prayag, Uttarkashi
- **West Bengal:** South & North 24 Parganas, Darjeeling, Nadia, Murshidabad, Hooghly, Purba Medinipur



## 9. Carrot

- **Andhra Pradesh:** Rangareddy (Chevella, Shankarpalli, Vikarabad, Shabad, Nawabpet, Moinabad, Maheshwaram, Yacharam, Manchal, Kandukur)
- **Bihar:** Patna, Nalanda, Bhojpur, Gaya, Saran, Siwan, Gopalganj, East & West Champaran, Muzaffarpur, Sitamarhi, Sheohar, Vaishali, Bhagalpur, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura, Supaul
- **Chhattisgarh:** Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Kanker, Bilaspur, Janjgir-Champa, Korba, Koriya
- **Haryana:** Hisar, Fatehabad, Sirsa, Ambala, Yamunanagar, Rohtak, Jhajjar, Faridabad, Narnaul, Gurgaon, Bhiwani, Jind, Mewat, Kurukshetra, Sonipat,
- **Jharkhand:** Ramgarh, Hazaribagh
- **Karnataka:** Kolar, Belgaum, Dharwad, Haveri, Hassan, Chamarajanagar, Chikmagalur, Mandya, Raichur, Bengaluru Rural, Chikkaballapur, Mysore, Ramanagara, Davanagere, Bidar
- **Madhya Pradesh:** Baitul, Chhindwara, Jabalpur, Sagar, Tikamgarh, Reeva, Satna, Vidisha, Rajgarh, Indore, Dhar, Barwani, Ratlam, Shajapur, Dewas, Bhopal
- **Rajasthan:** Ajmer, Sikar, Bundi, Alwar, Tonk, Bharatpur, Nagaur, Jaipur, Jodhpur, Rajsamand, Ganganagar
- **Tamil Nadu:** Dindigul, Krishnagiri, Salem, Nilgiris
- **Uttar Pradesh:** Bulandshahar, Agra, Aligarh, Meerut, Unnao, Mainpuri, Muzaffarnagar, Moradabad, Hathras

## 10. Cauliflower

- **Andhra Pradesh:** Chittoor, Kurnool
- **Arunachal Pradesh:** West Kameng, Twang, Lower Subansiri, Kurung Kumey, Upper Siang, Upper Dibang Valley
- **Assam:** All districts of Assam
- **Bihar:** Patna, Nalanda, Bhojpur, Rohtas, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Vaishali, Bhagalpur, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura
- **Chhattisgarh:** Baloda Bazar, Gariaband, Mahasamund, Dhamtari, Durg, Balod, Bemetara, Kabirdham, Jagdalpur, Kondagaon, Kanker, Raipur, Janjgir-Champa, Bilaspur, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur, Narayanpur, Rajnandgaon
- **Delhi:** ( Rural Area)
- **Gujarat:** Ahmedabad, Anand, Gandhinagar, Dahod, Panchmahal, Patan, Banaskantha, Mehsana, Sabarkantha
- **Haryana:** Sonipat, Rohtak, Ambala, Kurukshetra, Karnal, Panipat, Faridabad, Gurgaon, Hisar, Fatehabad, Jind, Palwal, Yamunanagar
- **Himachal Pradesh:** **Solan** (Solan, Kandaghat, Kunihar, Dharmpur, Vaknaghat), **Shimla** (Theog, Mashobra)
- **Jharkhand:** Lohardaga, Ramgarh, Hazaribag, Gumla, Dumka, Palamu, Ranchi (Pithoria, Chutia, Mandar, Ratu)



- **Karnataka:** Chikkaballapur, Ramanagara, Kolar, Belgaum, Dharwad, Haveri, Hassan, Chamarajanagar, Chikmagalur, Mandya, Raichur, Bengaluru Rural, Davanagere, Mysore, Bidar
- **Madhya Pradesh:** Baitul, Chhindwara, Jabalpur, Sagar, Tikamgarh, Reeve, Satna, Vidisha, Rajgarh, Indore, Dhar, Barwani, Ratlam, Shajapur, Dewas, Bhopal
- **Maharashtra:** Nashik, Satara, Pune, Nagpur, Ahmadnagar, Chandrapur, Buldhana, Parbhani, Beed
- **Manipur:** Tamenlong
- **Meghalaya:** All districts of Meghalaya
- **Mizoram:** Aizawl, Tuidam, Saiha, Kolashib, Serchhip, Khawzawl
- **Nagaland:** Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
- **Odisha:** Jajpur (Chandikhol), Cuttack (Athgarh, Tigiria, Baranga), Puri (Kakatpur, Astaranga), Bolangir (Agalpur, Bongamunda, Titlagarh), Khordha (Balipatna, Balianta)
- **Punjab:** Hoshiarpur (Haryana, Bhunga), Gurdaspur (Gurdaspur, Batala, Fatehgarh Churian, Dera Baba Nanak), Fatehgarh Sahib (Bassi Pathana, Sirhind)
- **Rajasthan:** Ajmer, Alwar, Tonk, Sikar, Bundi, Bharatpur, Nagaur, Rajsamand, Ganganagar, Jaipur, Jodhpur
- **Sikkim:** North, East, West & South Districts
- **Tripura:** West, South, Dhalai & North Districts
- **Uttar Pradesh:** Agra, Muzaffarpur, Saharanpur, Bulandshahr, Moradabad, Maharajganj, Unnao, Gorakhpur, Kushinagar, Ghaziabad, Mainpuri, Badaun, Aligarh, Meerut, Lucknow, Bareilly
- **Uttarakhand:** Dehradun, Haridwar, Nainital, Pithoragarh, Udham Singh Nagar, Almora, Chamoli
- **West Bengal:** Paschim Medinipur, Bankura, Nadia, Murshidabad, North & South 24 Parganas

## 11. Chillies

- **Andhra Pradesh:** Guntur, Prakasam, Warrangal, Khammam, Krishna, East Godavari, West Godavari
- **Arunachal Pradesh:** Tawang, West & East Kameng, Lower, Upper Subansiri, West & East Siang
- **Assam:** Nalbari, Darrang, Dhubri, Nagaon, Sonitpur
- **Bihar:** Patna, Nalanda, Gaya, Siwan, Gopalganj, East & West Champaran, Muzaffarpur, Vaishali, Munger, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Saharsa
- **Chhattisgarh:** Balod, Baloda Bazar, Balrampur, Bemetara, Bilaspur, Gariaband, Jagdalpur, Kabirdham, Korba, Mungeli, Raigarh, Raipur, Rajnandgaon, Surguja, Surajpur, Janjgir-Champa
- **Gujarat:** Anand, Gandhinagar, Dang, Narmada, Panchmahal, Navsari, Patan, Banaskantha, Mehsana, Tapi, Sabarkantha, Rajkot
- **Haryana:** Panipat, Sonapat, Rohtak, Gurgaon, Bhiwani, Hisar, Fatehabad, Jind, Ambala, Yamunanagar, Kurukshetra, Karnal



- **Jharkhand:** Ranchi (Ratu, Mandar), Palamu, Ramgarh, Hazaribagh, Dumka, Gumla
- **Karnataka:** Kolar, Belgaum, Gadag, Haveri, Bagalkot, Chitradurga, Chamarajanagar, Raichur, Bellary, Mysore, Tumkur
- **Kerala:** Erattupetta (Melukavu, Thidanad, Poonjar Thekkekkara, Thalappalam), Kanjirappally (Koottickal, Mundakkayam, Koruthde, Manimala, Erumely)
- **Madhya Pradesh:** Khargone, Barwani, Dhar, Ratlam, Khandwa, Vidisha, Bhopal
- **Maharashtra:** Nandurbar, Nagpur, Amrawati, Kolhapur, Ahmednagar, Gadchiroli, Jalgaon, Pune, Buldhana, Sangli, Satara, Osmanabad, Latur
- **Manipur:** Imphal, Churhandpur, Thoubal
- **Meghalaya:** West Garo Hills, South Garo Hills, North Garo Hills
- **Mizoram:** Adjoining area of Cachar and Lower parts of Chhimituipui
- **Nagaland:** Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
- **Odisha:** Sambalpur (Kuchinda, Bamra), Ganjam (Purusotampur)
- **Punjab:** Sangrur (Sangrur, Malerkotla, Dhuri, Ahmedgarh, Bhawanigarh, Sunam), Patiala (Patiala, Nabha, Rajpura, Samana, Patran), Tarn Taran (Bhikhiwind, Naushera Pannua, Valtoha, Patti, Tarn Taran)
- **Rajasthan:** Ajmer, Alwar, Banswara, Baran, Bharatpur, Bhilwara, Chittorgarh, Jaipur, Jalor, Jhalawar, Jhunjhunu, Jodhpur, Nagour, Pali, Sawai Madhopur, Sirohi, Tonk, Udaipur
- **Tamil Nadu:** Trichy, Dindigul, Tirunelveli, Ramnad, Thothukudi, Sivaganga, Virudhunagar, Ariyalur
- **Tripura:** East & West Tripura
- **Uttar Pradesh:** Fatehpur, Firozabad, Kanpur Nagar, Mirzapur, Ghazipur, Moradabad, Bunlandshahr, Unnao, Rae Bareli, Hardoi, Barabanki, Varanasi, Kaushambi, Hathras, Etawah

## 12. Cowpea

- **Bihar:** Nalanda, Siwan, Muzaffarpur, Vaishali, Katihar, Saharsa, Madhepura, Darbhanga
- **Chhattisgarh:** Raipur, Durg, Balod, Bemetara, Rajnandgaon, Jagdalpur, Kondagaon, Kanker, Bilaspur, Mungeli, Korba, Raigarh, Jashpur, Koriya, Janjgir-Champa
- **Kerala:** Kaduthuruthy (Njeezhoor, Kaduthuruthy, Mulakulam, Manjoor), Uzhavoor (Marangattupilly, Kuravilangad, Kanakkary, Ramapuram), Ettumanoor (Athirampuzha), Madapally (Thrikkodithanam, Paippad, Madappally), Pala (Mutholy, Kozhuvanal), Erattupetta (Melukavu, Thidanad, Poonjar Thekkekkara, Thalappalam), Kanjirappally (Koottickal, Mundakayam, Koruthode, Manimala, Erumeli), Vazhoor (Vellavoor)
- **Mizoram:** Aizawl, Khawzawl, Lunglei
- **Uttar Pradesh:** Hardoi, JyotibaPhule Nagar, Shahjahanpur, Lucknow, Unnao, Sitapur, Meerut, Kanpur Nagar, Jhansi, Bahraich

## 13. Cucumber

- **Bihar:** Patna, Nalanda, Bhojpur, Muzaffarpur, Vaishali, Bhagalpur, Munger, Samastipur, Begusarai, Purnea, Katihar, Saharsa
- **Chhattisgarh:** Raipur, Baloda Bazar, Mahasamund, Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Jagdalpur, Kanker, Bilaspur, Janjgir-Champa, Koriya, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Koriya, Narayanpur



- **Kerala:** Kaduthuruthy (Njeezhoor, Kaduthuruthy, Mulakulam, Manjoor), Uzhavoor (Marangattupilly, Kuravilangad, Kanakkary, Ramapuram), Ettumanoor (Athirampuzha), Madapally (Thrikkodithanam, Paippad, Madappally), Pala (Mutholy, Kozhuvanal), Erattupetta (Melukavu, Thidanad, Poonjar Thekkekara, Thalappalam)
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Maharashtra:** Pune, Nasik, Thane, Satara, Kolhapur, Latur, Buldana
- **Rajasthan:** Alwar, Bharatpur, Bhilwara, Ganganagar, Jaipur, Sawai Madhopur, Sikar, Sirohi, Tonk
- **Uttar Pradesh:** Varanasi, Kanpur, Allahabad, Ghazipur, Moradabad, Lucknow, Sitapur, Rae Bareilly, Barabanki, Fatehpur, Jhansi, Muzaffarnagar, Meerut, Shaharanpur Ghaziabad, Gorakhpur, Basti, Agra, Aligarh, Mathura, Balia, Mirzapur, Sonbhadra, Chandauli

#### 14. Drum Stick

- **Chhattisgarh:** Kanker, Korba, Raigarh, Janjgir-Champa, Bilaspur, Kabirdham, Jagdalpur, Narayanpur, Durg, Dhamtari, Raipur, Baloda Bazar, Gariaband, Rajnandgaon
- **Karnataka:** Chamarajanagar, Haveri, Bijapur, Mandya, Raichur, Bellary, Koppal

#### 15. IVY Gourd (Kundru)

- **Chhattisgarh:** Raipur, Baloda Bazar, Gariaband, Dhamtari, Durg, Bemetara, Rajnandgaon, Kanker, Mungeli, Janjgir-Champa, Korba, Raigarh, Surguja, Surajpur, Narayanpur, Koriya

#### 16. Leafy Vegetables

- **Chhattisgarh:** Raipur, Baloda Bazar, Gariaband, Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Kanker, Bilaspur, Mungeli, Janjgir-Champa, Korba, Raigarh, Jashpur, Narayanpur, Bijapur
- **Haryana:** Panchkula, Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonapat, Rohtak, Jhajjar, Faridabad, Narnaul, Rewari, Gurgaon, Hisar, Fatehabad, Sirsa, Jind, Palwal
- **Karnataka:** Kolar, Belgaum, Bijapur
- **Madhya Pradesh:** Bhopal, Rewa, Satna, Vidisha, Ratlam, Indore, Rajgarh
- **Maharashtra:** Pune, Nasik, Satara, Buldana, Gondia, Ahmadnagar, Aurangabad

#### 17. Long Melon

- **Andhra Pradesh:** Khammam, Krishna, Nizamabad, Visakhapatnam, West Godavari
- **Bihar:** Patna, Nalanda, Bhojpur, Buxar, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East & West Champaran, Muzaffarpur, Sitamarhi, Sheohar, Vaishali, Bhagalpur, Munger, Khgaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura
- **Chhattisgarh:** Baloda Bazar, Bilaspur, Kundagaon, Mungeli, Raipur, Rajnandgaon
- **Haryana:** Gurgaon, Bhiwani, Fatehabad, Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonapat, Rohtak, Mewat, Palwal, Jhajjar, Faridabad, Narnaul, Sirsa, Jind



- **Kerala:** Kaduthuruthy (Njeezhoor, Kaduthuruthy, Mulakkulam, Manjoor), Uzhavoor (Marangattupilly, Kuravilangad, Kanakkary, Ramapuram), Ettumanoor (Athirampuzha), Madapally (Thrikkodithanam, Paippad, Madappally), Pala (Mutholy, Kozhuvanal), Erattupetta (Melukavu, Thidanad, Poonjar Thekkekkara, Thalappalam)
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Maharashtra:** Nasik, Parbhani, Pune, Nandur, Dhule, Jalgaon, Satara, Ahmednagar, Thane, Latur, Pune, Raigarh
- **Odisha:** Sambalpur (Maneswar, Padiabahal), Cuttack, (Dampada, Narsinghpur)
- **Rajasthan:** Ajmer, Bhilwara, Ganganagar, Jaipur, Jodhpur, Pali, Sawai Madhopur, Sikar, Sirohi, Tonk
- **Tamil Nadu:** Dindigul, Trippur, Tirunelveli, Coimbatore, Salem, Kanchipuram, Kanyakumari
- **Uttar Pradesh:** Allahabad, Varanasi, Ghazipur, Lucknow, Sitapur, Bareilly, Balia, Gorakhpur, Meerut, Muzaffarnagar
- **Uttarakhand:** Udham Singh Nagar, Haridwar

## 18. Musk Melon

- **Bihar:** Patna, Bhojpur, Buxar, Saran, Siwan, Vaishali
- **Haryana:** Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Rohtak, Jhajjar, Faridabad, Narnaul, Gurgaon, Bhiwani, Fatehabad, Sirsa, Jind, Mewat, Palwal
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Maharashtra:** Nasik, Ahmednagar, Pune, Latur, Raigarh, Thane
- **Punjab:** Jalandhar (Nakodar, Lohian, Shahkot), Kapurthala (Kapurthala, Sultanpur Lodhi)
- **Uttar Pradesh:** Farrukhabad, Aligarh, Agra, Firozabad, Etah, Bareilly, Hathras, Unnao, Rampur, Kannauj, Badaun, Muzaffarnagar, Fataehpur, Kanpur Nagar

## 19. Okra

- **Andhra Pradesh:** Adilabad, Anantapur, Chittoor, East Godavari, Guntur, Karimnagar, Krishna, Kurnool, Mahbubnagar, Medak, Nalgonda, Nizamabad, Nellore, Prakasam, Rangareddy, Srikakulam, Visakhapatnam, Vizianagaram, Warangal, West Godavari
- **Assam:** Darrand, Nagaon, Sibsagar
- **Bihar:** Patna, Nalanda, Bhojpur, Buxar, Rohtas, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Munger, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Sahara, Madhepura
- **Chhattisgarh:** Raipur, Baloda Bazar, Gariaband, Mahasamund, Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Jagdalpur, Kondagaon, Kanker, Janjgir-Champa, Bilaspur, Mungeli, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur, Narayanpur
- **Gujarat:** Ahmedabad, Anand, Gandhinagar, Dang, Narmada, Navsari, Panchmahal, Bharuch, Sabarkantha, Surat, Tapi



- **Haryana:** Jind, Mewat Yamunanagar, Hisar, Karnal, Panipat, Ambala, Sonipat, Rohtak, Jhajjar, Faridabad, Narnaul, Gurgaon, Bhiwani, Fatehabad, Sirsa
- **Karnataka:** Haveri, Dharwad, Gulburga, Dakshin Kannada, Belguam, Shimoga
- **Kerala:** Erattupetta (Melukavu, Thidanad, Poonjar Thekkekara, Thalappalam), Kanjirappally Koottickal, Mundakayam, Koruthodu, Manimala, Erumeli, Vazhoor (Vellavoor)
- **Madhya Pradesh:** Jabalpur, Sagar, Hoshangabad, Vidisha, Barwani, Ratlam, Shajapur, Bhopal
- **Maharashtra:** Satara, Pune, Solapur, Jalgaon, Thane, Parbhani, Chandrapur, Dhule, Nasik, Sangli
- **Mizoram:** Aizawl, Khawzawl, Lunglei, Tuidam
- **Nagaland:** Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
- **Odisha:** Jajpur (Biribati, Rasulpur), Khordha (Balianta, Bolagarh), Cuttack (Narsinghpur, Badamba, Salepur), Puri (Pipil, Satyabadi)
- **Rajasthan:** Ajmer, Alwar, Bundi, Dausa, Ganganagar, Jaipur, Pali, Sirohi
- **Tamil Nadu:** Dindigul, Coimbatore, Salem, Vellore, Kancheepuram, Dharmapuri
- **Tripura:** Major part of Tripura
- **Uttar Pradesh:** Agra, Meerut, Lucknow, Unnao, Mainpuri, Jalaun, Rae Bareli, Hardoi, Sitapur, Sultanpur, Kushinagar, Aligarh, Kanpur Nagar, Ghaziabad, Farrukhabad, Gonda, Bahraich, Varanasi, Fetehpur, Bulandshahr
- **Uttarakhand:** Dehradun, Udham Singh Nagar, Pithoragarh, Tehri, Nainital, Haridwar, Chamoli
- **West Bengal:** Nadia, Murshidabad, North & South 24 Parganas, Bardhaman

## 20. Onion

- **Andhra Pradesh:** Adilabad, Anantapur, Guntur, Kadapa, Kurnool, Rangareddy, Srikakulam
- **Bihar:** Patna, Nalanda, Bhojpur, Rohtas, Gaya, Aurangabad, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Munger, Sheikhpura, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Araria, Kishanganj, Katihar
- **Chhattisgarh:** Raipur, Baloda Bazar, Mahasamund, Dhamtari, Durg, Bemetara, Rajnandgaon, Kabirdham, Kanker, Janjgir-Champa, Bilaspur, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur, Jashpur
- **Gujarat:** Dang, Dahod, Bhavnagar, Rajkot Amreli, Junagarh, Jamnagar, Sundarnagar
- **Haryana:** Sirsa, Jind, Yamunanagar, Kurukshetra, Panchkula, Ambala, Kaithal, Karnal, Panipat, Sonipat, Rohtak, Jhajjar, Biwani, Mewat
- **Jharkhand:** Palamu, Ramgarh
- **Karnataka:** Belgam, Dharwad, Gadag, Haveri, Bagalkot, Chitradurga, Bijapur, Chamarajanagar, Chikmagalur, Raichur, Bellary, Gulburga, Chikkaballapur, Davanagere, Koppal
- **Madhya Pradesh:** Shajapur, Jabalpur, Indore, Khandwa, Ujjain, Reeva, Bhopal, Dhar, Khargone, Mandsaur, Ratlam



- **Maharashtra:** Nasik, Ahmednagar, Pune, Satara, Solapur, Dhule, Jalgaon, Osmanabad, Beed, Aurangabad, Bhandara, Nandurbar, Latur
- **Odisha:** Bolangir (Bongamunda, Tureikela), Kalahandi (Bhawanipatna), Boudh (Harbhanga), Angul (Kishorenagar), Deogarh ( Reamal), Nuapada (Khariar, Komna, Sinapalli)
- **Punjab:** Sangrur ( Sangrur, Malerkotla, Dhuri, Sunam), Patiala (Patiala, Rajpura, Ghanaur, Patran)
- **Rajasthan:** Alwar, Ajmer, Chittorgarh, Jaipur, Jalore, Nagour, Jhunjhunu, Bharatpur, Bhilwara, Jhalawar
- **Tamil Nadu:** Perambalur, Trichy, Dindigul, Erode, Namakkal, Trippur, Tirunelveli
- **Uttar Pradesh:** Kannauj, Fatehpur, Sultanpur, Jaunpur, Mainpuri, Kanpur, Farrukhabad, Bahraich, Ballia, Azamgarh, Gonda, Sonabhadra, Ghazipur, Hardoi, Rae Bareli, Unnao, Barabanki, Kanpur Dehat, Pratapgarh, Jalaun, Allahabad, Badaun
- **Uttarakhand:** Almora, Chamoli, Dehradun, Pauri, Pithoragarh, Tehri, Udham Singh Nagar
- **West Bengal:** Hooghly, Murshidabad, Nadia, North 24 Parganas

## 21. Peas

- **Andhra Pradesh:** Chittoor, Rangareddy, Medak
- **Assam:** Darrang, Kamrup, Nagaon
- **Bihar:** Patna, Nalanda, Bhojpur, Gaya, Muzaffarpur, Vaishali, Samastipur, Katihar
- **Chhattisgarh:** Raipur, Baloda Bazar, Durg, Bemetara, Rajnandgaon, Janjgir-Champa, Bilaspur, Korba, Raigarh, Surguja, Surajpur, Koriya, Balrampur
- **Haryana:** Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Gurgaon, Jind
- **Himachal Pradesh:** **Lahul & Spiti** (Keylong, Kazza), **Kinnaur** (Kalpa, Sangla Nichar Valley, Chango, Pooh), **Shimla** (Rohroo, Theog, Shogi, Mashoba), **Sirmour** (Pacchad, Sangarh, Rajgarh)
- **Jharkhand:** Ranchi (Ratu, Mandar), Ramgarh, Hazaribagh, Palamu
- **Karnataka:** Kolar, Bengaluru, Mysore, Tumkur, Hassan, Chikkaballapur
- **Madhya Pradesh:** Shajapur, Jabalpur, Ujjain, Dewas, Gwalior, Morena, Hoshangabad, Vidisha, Sagar
- **Maharashtra:** Pune, Parbhani, Thane, Jalna, Nandurbar, Chandrapur, Buldhana
- **Manipur:** Imphal, Valley
- **Mizoram:** Aizawl, Lunglei, Saiha
- **Nagaland:** Kohima, Wokha, Mokochung, Zunheboto, Tuensang, Phek, Mon, Dimapur
- **Odisha:** Angul (Kishorenagar), Sambalpur (Sasan)
- **Punjab:** Hoshiarpur (Hoshiarpur 1, Hoshiarpur 2, Chabbewal), Amritsar (Verka, Jandiala Guru, Majitha, Rayya), Patiala (Sanaur, Rajpura, Ghannaur, Patran), S.B.S. Nagar (Nawan Shahr, Bala, Chaur)
- **Rajasthan:** Jaipur, Alwar, Jodhpur, Udaipur
- **Uttar Pradesh:** Lalitpur, Jalaun, Jhansi, Mohoba, Sultanpur, Hamirpur, Azamgarh, Basti, Allahabad, Pratapgarh, Etah, Mirzapur, Jaunpur, Kabir Nagar, Ambedkar Nagar, Sonbhadra, Faizabad, Barabanki, Raebareli, Sitapur, Siddharth Nagar, Gonda, Balia, Kanpur-Nagar, Kanpur-Dehat, KanshiRam Nagar





- **Uttarakhand:** Almora, Chamoli, Champawat, Dehradun, Nainital, Tehri, Udham Singh Nagar, Uttarkashi
- **West Bengal:** Nadia, Hoogly, 24 parganas

## 22. Potato

- **Andhra Pradesh:** Medak, Chittoor
- **Assam:** Shivsagar, Darrang, Barpeta, Kamroop, Dhubri, Kokrajhar, Bangaigaon, Sonitpur, Nagagaon
- **Bihar:** Patna, Nalanda, Bhojpur, Buxar, Rohtas, Kaimur, Gaya, Jehanabad, Arwal, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Sheohar, Vaishali, Bhagalpur, Banka, Munger, Sheikhpura, Lakhisarai, Jamui, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Araria, Kishanganj, Katihar, Saharsa, Madhepura, Supaul
- **Chhattisgarh:** Raipur, Baloda Bazar, Gariaband, Mahasamund, Durg, Bemetara, Rajnandgaon, Bilaspur, Mungeli, Janjgir-Champa, Korba, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Koriya, Dhamtari, Jagdalpur
- **Gujarat:** Kheda, Gandhinagar, Patan, Mehsana, Sabarkantha, Banaskantha
- **Haryana:** Panchkula, Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonipat, Rohtak, Faridabad, Hisar, Fatehabad, Jind
- **Himachal Pradesh:** Lahul & Spiti (Lahul, Keylong, Kazza), Shimla (Rohroo, Theog), Una (Una, Haroli, Gagret, Amb)
- **Jharkhand:** Ranchi (Bero), Ramgarh (Gola), Hazaribagh, Dumka, Gumla
- **Karnataka:** Kolar, Belgaum, Dharwad, Hassan, Chikmagalur, Chikkaballapur, Bengaluru Rural
- **Madhya Pradesh:** Shajapur, Jabalpur, Indore, Chhindwara, Satna, Dewas, Morena, Sagar, Damoh, Ujjain, Bhopal, Khandwa, Dhar, Khargone, Mandsaur, Ratlam
- **Maharashtra:** Satara, Pune, Buldhana, Gondia, Wardha, Parbhani, Kolhapur, Wasim, Ahmednagar
- **Meghalaya:** East Khasi Hills, West Khasi Hills, Jaintia Hills, East Garo Hills, West Garo Hills and South Garo Hills
- **Mizoram:** Aizawl, Khawzawi, Lunglei, Saiha
- **Nagaland:** Kohima, Wokha, Mokokchung, Zunheboto, Tuensang, Phek, Dimapur
- **Odisha:** Puri (Nimapara), Cuttack (Baialish Mouza, Tigiria), Khordha (Balipatna), Koraput (Semiliguda, Potangi, Nandapur)
- **Punjab:** Jalandhar (East Jalandhar, West Jalandhar, Bhogpur), Hoshiarpur (Hoshiarpur 1, Hoshiarpur 2, Hariana), Kapurthala (Kapurthala, Sultanpur Lodhi)
- **Rajasthan:** Bharatpur, Dholpur
- **Sikkim:** North, South, East and districts of Sikkim
- **Tamil Nadu:** Dhindigul, Erode, Nilgiris
- **Tripura:** West, South, Dhalai & North Districts
- **Uttar Pradesh:** Agra, Firozabad, Kannauj, Hathras, Farrukhabad, Aligarh, Etawah, Badaun, Kanpur Nagar, Mainpuri, Allahabad, Mathura, Jaunpur, Hardoi, Barabanki, Moradabad, Shahjahanpur, Ghaziabad, Pratapgarh, Fatehpur, Auraiya, Kaushambi, Kanpu Dehat



- **Uttarakhand:** Almora, Chamoli, Champawat, Dehradun, Haridwar, Nainital, Pithoragarh, Tehri, Udham Singh Nagar, Uttarkashi, Pauri
- **West Bengal:** Hooghly, Bardhaman, Khabra, Paschim Medinipur, Bankura

### 23. Pointed Gourd

- **Bihar:** Patna, Bhojpur, Saran, East & West Champaran, Muzaffarpur, Vaishali, Munger, Samastipur, Katihar, Saharasa, Madhepura
- **Chhattisgarh:** Raigarh
- **Karnataka:** Koppal, Haveri, Hassan, Bijapur, Mandya, Tumkur
- **Odisha:** Khordha (Balianta, Balipatna), Cuttack (Narsinghpur, Salepur, Mahanga, Nischintakoili), Jajpur (Barabati)
- **Tamil Nadu:** Kanyakumari, Dindigul, Trippur, Tirunelveli, Coimbatore, Salem, Kancheepuram,
- **Uttar Pradesh:** Ballia, Ghazipur, Ambedkar Nagar, Basti, Bahraich, Meerut, Mainpuri, Kushi Nagar, Gorakhpur

### 24. Pumpkin

- **Andhra Pradesh:** East Godavari
- **Chhattisgarh:** Raipur, Baloda Bazar, Gariaband, Dhamtari, Janjgir-Champa, Kanker, Bilaspur, Korba, Raigarh, Surguja, Surajpur, Balrampur, Koriya, Narayanpur
- **Kerala:** Kozhikode (Kakkur)
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Uttar Pradesh:** Kannauj, Mainpuri, Agra, Farrukhabad, Allahabad, Firozabad, Mathura, Lucknow, Unnao, Sultanpur, Rae Bareilly, Etah, Aligarh, Badaun

### 25. Radish

- **Andhra Pradesh:** Rangareddy, Chittoor, Medak, East and West Godavari, Anantapur, Prakasam
- **Bihar:** Patna, Nalanda, East & West Champaran, Muzaffarpur, Vaishali, Darbhanga, Samastipur, Begusarai, Purnea, Katihar
- **Chhattisgarh:** Raipur, Baloda Bazar, Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Jagdalpur, Kanker, Dantewada, Sukma, Bilaspur, Janjgir-Champa, Korba, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Koriya, Narayanpur
- **Haryana:** Fatehabad, Sirsa, Ambala, Karnal, Sonapat, Rohtak, Jhajjar, Yamunanagar, Kuskshetra, Faridabad, Gurgaon, Bhiwani, Jind, Palwal
- **Jharkhand:** Ramgarh, Hazaribagh, Dumka



- **Karnataka:** Chamarajanagar, Mysore, Bidar, Haveri, Hassan, Kolar, Belgaum, Dharwad, Chikmagalur, Mandya, Raichur, Bengaluru Rural, Chikkaballapur, Ramanagara, Davanagere
- **Madhya Pradesh:** Baitul, Chhindwara, Jabalpur, Sagar, Tikamgarh, Reeva, Satna, Vidisha, Rajgarh, Indore, Dhar, Barwani, Ratlam, Shajapur, Dewas, Bhopal
- **Odisha:** Angul (Bantala, Purunagarh), Dhenkanal (Odapada)
- **Rajasthan:** Ajmer, Alwar, Tonk, Sikar, Bundi, Bharatpur, Nagaur, Rajsamand, Ganganagar, Jaipur, Jodhpur
- **Uttar Pradesh:** Mainpuri, Meerut, Gautam Budh Nagar, Agra, Kanpur Nagar, Kanpur-Dehat, Kannauj, Kaushambi, Lucknow, Rae Bareilly, Gonda
- **Uttarakhand:** Almora, Bageshwar, Chamoli, Dehradun, Nainital, Pauri, Pithoragarh, Tehri, Uttarkashi

## 26. Ridge Gourd

- **Andhra Pradesh:** Khammam (Khammarural, Madira, Chintakani, Kothagudem, Julurpad, Kusumanchi, Yerrupalem, Sattupalli, Vemsur, Ashwaraopet), Nellore (Pellakuru, Podalakuru, Nellore, Kavali, Palwancha, Vinjamur, Aatamakur, Kaluvai, Ozili, Gudur, Venkatagiri), East Godavari
- **Bihar:** Patna, Nalanda, Bhojpur, Gaya, Saran, East & West Champaran, Muzaffarpur, Vaishali, Bhagalpur, Khararia, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Katihar, Saharsa, Madhepura
- **Chhattisgarh:** Durg, Raipur, Mahasamund, Kanker, Janjgir-Champa, Korba, Raigarh, Koriya,
- **Haryana:** Jhajjar, Faridabad, Narnaul, Ambala, Jind, Mewat, Palwal, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonapat, Rohtak, Gurgaon, Bhiwani, Fatehabad, Sirsa
- **Karnataka:** Haveri, Mandya, Koppal, Tumkur, Hassan, Bijapur
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Maharashtra:** Nasik, Parbhani, Ahmednagar, Nandurbar, Jalgaon, Gondia
- **Rajasthan:** Baran, Jodhpur, Tonk, Bharatpur, Ganganagar, Jaipur, Ajmer
- **Tamil Nadu:** Trippur, Coimbatore, Tirunelveli, Kancheepuram, Salem, Kanyakumari, Dindigul
- **Uttar Pradesh:** Agra, Lucknow, Unnao, Mainpuri, Moradabad, Hardoi, Aligarh, Bareilly, Kannauj, Firozabad, Etah, Farrukhabad, Kanpur Nagar, Sitapur

## 27. Round Gourd

- **Andhra Pradesh:** East Godavari (Seethanagaram, Pithapuram, Rajanagaram, Jaggampeta, Inavelli, Kottapeta, Atreyapuram, Ravulapalem, Alamuru, Kadiyam)
- **Karnataka:** Bijapur, Mandya, Haveri, Hassan, Koppal, Tumkur
- **Rajasthan:** Alwar, Bharatpur, Ganganagar, Hanumangarh, Jaipur, Jodhpur, Sawai Madhopur, Tonk



- **Tamil Naud:** Dindigul, Trippur, Coimbatore, Tirunelveli, Kanyakumari, Kancheepuram, Salem

## 28. Round Melon (Tinda)

- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal

## 29. Snake Gourd

- **Karnataka:** Haveri, Hassan, Koppal, Bijapur, Mandya, Tumkur
- **Kerala:** Kaduthuruthy (Njeezhoor, Kaduthuruthy, Mulakulam, Manjoor), Uzhavoor (Marangattupilly, Kuravilangad, Kanakkary, Ramapuram), Ettumanoor (Athirampuzha), Madapalli (Thrikkodithanam, Paippad, Madappally), Pala (Mutholy, Kozhuvanal), Kanjirappally (Koottickal, Mundakayam, Koruthodu, Manimala, Erumeli)
- **Mizoram:** Aizawl, Khawzawl, Lunglei, Tuidam

## 30. Sponge Gourd

- **Andhra Pradesh:** Khammam, Krishna, Nizamabad, Visakhapatnam, West Godavari, East Godavari
- **Bihar:** Patna, Nalanda, Gaya, Nawada, Aurangabad, Saran, Siwan, Gopalganj, East & West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Munger, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Purnea, Araria, Kishanganj, Katihar, Saharsa, Madhepura
- **Chhattisgarh:** Mahasamund, Kanker, Janjgir-Champa, Raipur, Korba, Raigarh, Koriya, Gondia
- **Haryana:** Panipat, Sonapat, Rohtak, Ambala, Yamunanagar, Kurukshetra, Kaithal, Karnal, Jhajjar, Faridabad, Narnaul, Gurgaon, Bhiwani, Fatehabad, Sirsa, Jind, Mewat, Palwal
- **Karnataka:** Mandya, Koppal, Tumkur, Haveri, Hassan, Bijapur
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Maharashtra:** Nasik, Parbhani, Ahmednagar, Nandurbar, Jalgaon, Gondia
- **Rajasthan:** Bharatpur, Ganganagar, Ajmer, Baran, Jaipur, Jodhpur, Tonk
- **Tamil Nadu:** Dindigul, Trippur, Tirunelveli, Coimbatore, Salem, Kancheepuram, Kanyakumari
- **Uttar Pradesh:** Agra, Lucknow, Unnao, Mainpuri, Moradabad, Hardoi, Aligarh, Bareilly, Kannauj, Firozabad, Etah, Farrukhabad, Kanpur Nagar, Sitapur

## 31. Tomato

- **Andhra Pradesh:** Adilabad, Anantapur, Chittoor, East Godavari, Karimnagar, Khammam, Mahbubnagar, Medak, Nalgonda, Nizamabad, Prakasam, Rangareddy, Vizianagaram, Warangal



- **Arunachal Pradesh:** West Kameng, Twang, Lower Subansiri, Kurung Kumey, Upper Siang, Upper Dibang Valley
- **Assam:** All districts of Assam
- **Bihar:** Patna, Nalanda, Bhojpur, Aurangabad, Saran, Siwan, Gopalganj, East Champaran, West Champaran, Muzaffarpur, Sitamarhi, Vaishali, Bhagalpur, Khagaria, Darbhanga, Madhubani, Samastipur, Begusarai, Katihar, Saharsa, Madhepura
- **Chhattisgarh:** Raipur, Baloda Bazar, Gariaband, Mahasamund, Durg, Balod, Dhamtari, Bemetara, Rajnandgaon, Janjgir-Champa, Kanker, Bilaspur, Mungeli, Korba, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Koriya, Kondagaon, Bijapur, Kabirdham, Dantewada, Sukma, Narayanpur
- **Gujarat:** Anand, Kheda, Gandhinagar, Dang, Dahod, Narmada, Panchmahal, Banaskantha, Vadodara, Valsad, Sabarkantha, Bhavnagar
- **Haryana:** Ambala, Yamunanagar, Kurukshetra, Karnal, Panipat, Sonapat, Rohtak, Jhajjar, Faridabad, Gurgaon, Mewat, Palwal, Bhiwani, Hisar, Fatehabad, Sirsa, Jind,
- **Himachal Pradesh:** **Solan** (Solan, Kandaghat, Kuniyar, Dharmpur, Vaknaghat), **Sirmour** (Pacchad, Sangarh, Rajgarh), **Kullu** (Kullu, Bajaura, Banjar)
- **Jharkhand:** Ranchi (Bundu, Tamar, Mandar, Angara), Khunti (Karra, Arki, Murhu, Raniya), Chatra (Simariya, Itkhor), Ramgarh, Hazaribagh, Gumla, Dumka, Palamu, East Singhbhum, West Singhbhum, Lohardaga
- **Karnataka:** Kolar, Belgaum, Bagalkot, Chitradurga, Bijapur, Chamarajanagar, Chikmagalur, Mandya, Bellary, Koppal, Gulburga, Bengaluru Rural, Chikkaballapur, Ramanagara, Davanagere, Mysore, Tumkur
- **Madhya Pradesh:** Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal, Shajapur, Jabalpur, Chhindwara, Satna Vidish, Bhopal
- **Maharashtra:** Nasik, Ahmednagar, Pune, Beed, Satara, Solapur, Chandrapur, Latur, Parbhani, Nagpur
- **Manipur:** Imphal Valley
- **Meghalaya:** All districts of Meghalaya
- **Mizoram:** Aizawl, Khawzawl, Lunglei, Tuidam, Saih
- **Nagaland:** Dimapur, Mokokchung, Wokha
- **Odisha:** Keonjhar (Hatadihi, Anandapur), Sambalpur (Padiabahal), Bolangiri (Patnagarh, Belpara, Murihahal), Nuapada (Khariar), Cuttack (Tigrlia, Kishornagar, Baranga), Koraput (Semiliguda, Patangi, Kotpada, Boriguma), Nawarangpur (Umarkote)
- **Punjab:** Amritsar (Tarsika, Verka, Rayya, Jandiala Guru, Majitha), Patiala (Sanaur, Patiala, Rajpura, Ghanaur)
- **Rajasthan:** Ajmer, Jaipur, Dholpur, Alwar, Tonk, Bharatpur, Dausa, Ganganagar, Jalore, Jhalawar, Kota, Sirohi, Karoli
- **Sikkim:** North, East, West & South Districts
- **Tamil Nadu:** Vellore, Salem, Dharmapuri, Coimbatore, Periyar, Trichy, Madurai, Dindigul, Erode, Krishnagiri



- **Tripura:** West, South, Dhalai & North Districts
- **Uttar Pradesh:** Etah, Mainpuri, Agra, Kanpur-Nagar, Jalaun, Meerut, Aligarh, Unnao, Barabanki, Faizabad, Firozabad, Lucknow, Sultanpur, Ghaziabad, Kanshi Ram Nagar, Kanpur Dehat, Kannauj
- **Uttarakhand:** Champawat, Dehradun, Haridwar, Nainital, Pauri, Pithoragarh, Tehri, Udham Singh Nagar, Uttarkashi
- **West Bengal:** Murshidabad, Nadia, North 24 Parganas, South 24 Parganas, Jalpaiguri, Cooch Behar

### 32. Turnip

- **Chhattisgarh:** Raipur, Baloda Bazar, Dhamtari, Durg, Balod, Bemetara, Rajnandgaon, Kabirdham, Jagdalpur, Kanker, Dantewada, Sukma, Bilaspur, Janjgir-Champa, Korba, Raigarh, Jashpur, Surguja, Surajpur, Balrampur, Koriya, Narayanpur
- **Karnataka:** Bengaluru Rural, Belgaum, Mysore, Bidar, Dharwad, Haveri, Hassan, Kolar, Chamarajanagar, Chikmagalur, Mandya, Raichur, Chikkaballapur, Ramanagara, Davanagere
- **Madhya Pradesh:** Baitul, Chhindwara, Jabalpur, Sagar, Tikamgarh, Reeva, Satna, Vidisha, Rajgarh, Indore, Dhar, Barwani, Ratlam, Shajapur, Dewas, Bhopal
- **Mizoram:** Aizawl, Khawzawl
- **Rajasthan:** Bundi, Bharatpur, Nagaur, Ajmer, Alwar, Tonk, Sikar, Rajsamand, Ganganagar, Jaipur, Jodhpur
- **Uttar Pradesh:** Meerut, Etah, Barabanki, Bulandshahr, Ghaziabad, Gautam Budh Nagar, Muzaffarnagar, Ghazipur, Mau, Deoria, Kushinagar

### 33. Water Melon

- **Bihar:** Patna, Bhojpur, Saran, Muzaffarpur, Vaishali, Bhagalpur, Munger
- **Chhattisgarh:** Baloda Bazar, Gariaband, Raipur
- **Haryana:** Sirsa, Jind, Mewat, Ambala, Rohtak, Jhajjar, Faridabad, Yamunanagar, Kurukshetra, Kaithal, Karnal, Panipat, Sonapat, Narnaul, Gurgaon, Bhiwani, Fatehabad, Palwal
- **Karnataka:** Haveri, Mandya, Tumkur, Kolar
- **Madhya Pradesh:** Shajapur, Jabalpur, Chhindwara, Satna, Vidisha, Ratlam, Indore, Khargone, Dhar, Jhabua, Ujjain, Sagar, Raisen, Bhopal
- **Maharashtra:** Thane, Pune, Raigarh, Latur, Ahmednagar, Nasik
- **Odisha:** Deogarh (Barkote), Bolangir (Titlagarh), Kalahandi (Kesinga), Jajpur (Panikoi), Bargarh (Bargarh, Sohela)
- **Punjab:** Jalandhar (Nakodar, Lohian, Shahkot), Kapurthala (Kapurthala, Sultanpur Lodhi)
- **Uttar Pradesh:** Aligarh, Unnao, Firozabad, Farrukhabad, Etah, Badaun, Kannauj, Kanshi Ram Nagar, Mainpuri, Kanpur Nagar, Etawah, Varanasi, Allahabad, Lucknow, Mirzapur, Kaushambi, Fatehpur, Rae Bareli, Bareilly, Pratapgarh, Ghazipur





## ECOLOGICAL REQUIREMENT

- 1. Amaranth:** Amaranth can be grown on a wide variety of soils. However, sandy loam soil is best suited for its successful cultivation. It is grown successfully in hot summer season and humid conditions of kharif season.
- 2. Ash Gourd:** It grows well in warm, humid tropical climate. The temperature of 22°–35°C is ideal. Through a deep loamy soil is best suited, it can be grown on heavy clay as a rainfed crop. During summer, the crop can be grown in tank slopes. The optimum pH is 6.5–7.5.
- 3. Beet Root:** It can grow in almost every climate. Being fairly hardly, it is generally considered as a cool weather crop. It grows best during winter in plains. It requires abundant sunshine for proper development. Beet is most productive at 20°–22°C. It thrives best in a light to medium heavy soil. Loamy sand, deep, well-drained and fertile soils are preferred. Good beet is produced on a wide variety of soils, but slightly alkaline (with a pH up to 8) is ideal.
- 4. Bitter Gourd:** A well drained, loamy soil with a pH of 6.5–7.0 is ideal for its cultivation. A long period of warm, dry weather with 30°–35°C temperature is optimum. The minimum temperature should not go below 18°C. If temperature goes above 40°C, more male flowers are produced and plants become prone to mosaic disease.
- 5. Bottle Gourd:** Bottle gourd can be grown on all types of soils if these are not too much acidic (pH less than 5.5) or saline and alkaline. Loam or sandy loam soil is most suitable. Slightly wet to semi dry ecological condition is suitable for this crop. Night and day temperature of 18°–22°C and 30°–35°C respectively is optimum for its proper growth and better fruit set.
- 6. Brinjal:** Brinjal is susceptible to serve frost. A long and warm growing season with a mean temperature of 20°–30°C is most favourable for its successful production. In northern plains, it is adversely affected during December-February due to low night temperature. Well drained and fertile sandy loam soils with a pH of 5.5–5.6 are best suited for its cultivation. However, several cultivars are grown successfully under high pH level with a rich application of farmyard manure or green manuring practiced before transplanting.
- 7. Broccoli:** It is a cool season crop resistant to mild frost. The temperature of 20°–25°C is optimum for its proper growth, while 15°–20°C for heading stage. The heads become loose with rise in temperature. Broccoli can be grown in a wide variety of soils but deep loamy soil is best suited. The pH of 5.0–6.5 is optimum.
- 8. Brussels Sprout:** It thrives best in cool and humid climate with a temperature of 15°–25°C. It can withstand frost as well as snowfall. Generally, good quality sprouts are obtained when temperature is 10°–20°C. The rise in temperature results in loose and elongated sprouts with poor flavour. It can be grown in a wide range of soils but sandy loam is best suited. The pH of 6.0–6.8 is optimum.

9. **Cabbage:** It thrives best in a relatively cool moist climate. It can withstand extreme cold and frost relatively better than cauliflower. The growth in most of the cabbage varieties is arrested when temperature rises above 25°C. With the introduction of heat tolerant hybrids and development of tropical lines/hybrids, the temperature barrier has been removed. It can be grown on all types of soils. In clay loam or silt, higher yield may be obtained from the late crop. It does not grow well on a highly acidic soil and is best grown between pH 5.5 and 6.5.
10. **Capsicum:** It cannot withstand heavy rains during flowering or fruit set. Very cold temperature (<12°C) during night also hamper growth and fruit set. Ideal temperature for flowering is 26°–28°C day and 16°–18°C night. Although a wide range of soils are suitable, red or sandy loam soil with a pH of 5.5–6.8 is ideal.
11. **Carrot:** Carrot can be grown on all types of soils. It thrives best on a deep, loose, loamy soil. For early crop, a sandy loam soil is preferred but for high yield, deep, loose and loamy soil is desirable. The pH of 6.5 is ideal.
12. **Cauliflower:** It can grow at an average temperature of 5°–8°C to 25°–28°C. The optimum temperature for growth of young plants is around 23°C and 17°–20°C in later stages. Fairly deep loam soils are ideal for growing cauliflower. Soil with a pH of 5.5–6.5 is optimum.
13. **Chilli:** During the growing period which extends over 4 months maximum temperature ranging from 20°–30°C and a minimum temperature not below 10°C is ideal. The fruit colour is affected at temperatures below 15°C. Chilli is grown in many types of soils-sandy to heavy clay. A well drained, fairly light fertile loam with a fair moisture holding capacity is ideal. The light soils produce better quality fruits than heavy soils. Chilli crop prefers a soil reaction ranging from pH 6–7.
14. **Cowpea:** Cowpea can be grown almost in any type of soils but well drained loam or slightly heavy soils are better. Saline or alkaline soils are not good. It can tolerate drought to some extent but cannot tolerate waterlogging. The germination is better at 12°–15°C temperature and the crop thrives best between 21°–35°C temperature.
15. **Cucumber:** The optimum temperature favouring anthesis and dehiscence is 13°–18°C. Nevertheless, for optimum vegetative growth and yield, the temperature requirement is 18°–24°C. A well drained loamy soil is preferred. Lighter soil which warm quickly in spring area usually utilized for early crop. Cucumber prefers a pH of 5.5–6.8.
16. **French Bean:** A mean air temperature of 20°–25°C is optimum for its growth and high pod yield. French bean is grown over a wide range of well drained, alluvial friable soils, but is cannot withstand extreme acidic and alkaline soils. The optimum soil pH is 5.5–6.8.
17. **Garlic:** Garlic grows under a wide range of climate conditions. It, however, cannot withstand too hot or too cold temperature. Garlic requires medium black, fertile, well drained loamy soils rich in humus with fairly good content of potash. The crop raised on sandy or loose soil does not grow well and the bulbs too are lighter in weight. In heavy soils, the bulbs produced are deformed and during harvesting, many bulbs are broken and bruised. Such bulbs are not good for storage. Bulbs become discoloured in poorly drained soils. The soils having pH of 6-7 are suitable for good crop. Highly alkaline and saline soils are not suitable for garlic cultivation.
18. **Knol-Khol:** Knol-khol, thrives best in a relatively cool, moist climate. It grows well with a monthly average temperature of 15°–20°C, maximum and minimum average being 24°C and 4.5°C.





Knol khol can be grown on all types of soils. A soil rich in manures and fertilizers produces excellent knobs. Sandy loam is ideal for an early crop and clay or silt loam for higher yield and late crop. The optimum pH is 5.5–6.8.

19. **Musk Melon:** The optimum temperature for germination of seeds is 27°–30°C. A well drained, loamy soil is ideal. Muskmelon is sensitive to acid soils. The crop cannot be grown successfully below a pH of 5.5. A soil pH between 6.0 and 7.0 is ideal. Alkaline soils with high salt concentration are not suitable.
20. **Okra:** Okra requires a long, warm and humid growing period. It can be successfully grown in hot humid areas. It is sensitive to frost and extremely low temperatures. For normal growth and development, a temperature between 24°C and 28°C is preferred. It is grown on sandy to clay soils but due to its well developed tap root system, relatively light, well drained, rich soils are ideal. A pH of 6.0–6.8 is ideally-suited.
21. **Onion:** Onion is a cool season crop. However, it can be grown under a wide range of climatic conditions. The ideal temperature requirement of the onion crop is 12.8°–12°C before bulbing and 15.5°–25°C for bulb development. Very low temperature in the early stages favours bolting, whereas a sudden rise in temperature favours early maturity in *rabi*, resulting in small sized bulbs. Onion can be grown on all types of soils. However, deep friable loam and alluvial soils are best for its successful production.
22. **Pea:** Temperature of 15°–25°C is favourable for its cultivation. It can be grown on many types of soils light sandy loam to clay soil. Pea needs well drained soils. The pH of 6.0–7.5 is ideal.
23. **Pointed Gourd:** It grows best in well drained sandy loams. It can also thrive well in the uplands of alluvial light soils with addition of organic matter or by raising and incorporation of green manure. Heavy soils are not suitable for its cultivation. It remains dormant in winter and grows vigorously during spring.
24. **Potato:** Potato is largely grown in cool regions, where mean temperature does not normally exceed 18°C. Optimum temperature for potato growth and development ranges between 15 and 25°C. Minimum night temperature is of great significance for tuberization and yield. Temperature below 21°C is favourable for tuber formation. At temperatures above 21°C sharp fall in tuberization occurs.

Potato can grow in all types of soils, but light, well-drained sandy loam soils are best suited. With adequate fertilization, potato grows well even in sand. Excellent potato crop is grown under river-bed system of cultivation in Deesa in Gujarat. Heavy types of soils are difficult to work with and are not well suited for potato cultivation. The potato plant prefers soils in acidic to neutral range (pH 5.5–7.5). Black soils are, however, prone to cracking on drying and expose tubers to sun and tuber moth infestation.

25. **Pumpkin:** Pumpkin can be grown in various kinds of soils but sandy loam to loam soils are ideal. The pH of 5.5–6.8 is optimum. A temperature of 18°–30°C is optimum. Short days, low temperatures (18°–30°C), high relative humidity, bright sunshine are ideal for its cultivation.
26. **Radish:** The temperature of 10°–15°C is optimum for proper development of roots, texture and flavour. Maximum root growth occurs initially at 20°–30°C but later at temperature of 10°–14°C. Radish can be grown almost in all kinds of soils but friable loam soil with high humus content is most suited.



27. **Ridge Gourd:** It grows very well in a warm hot climate, the optimum temperature being 25°–30°C. Very high temperature especially in the early crop growth stage helps produce more male flowers, reducing the yield. Very low temperature also affects growth of vines. Sandy loam soil, rich in organic matter is most-suited for higher yield.
28. **Round Melon:** It grows well under warm and dry climate but can be grown both under hot as well as mild climates. The temperature of 27°–30°C is optimum for seed germination. Sandy-loam soils rich in organic matter are ideal for its cultivation. A pH between 6.0–7.0 is ideal for its cultivation.
29. **Tomato:** Tomato, a warm season vegetable, is grown extensively in cool season also. The optimum temperature required for its cultivation is 15°–27°C. At high and low temperatures, there is low germination of seeds, poor plant growth, flower drop, poor fruit set and ripening. Under extreme high and low temperature conditions, the yield and quality of fruits is reduced. Mild winter condition in northern plains is ideal for seed germination, plant growth, fruit set, fruit development and ripening. Tomato is grown in varied types of soil-sandy loam to clay, black soil and red soil having proper drainage. However, sandy loam, rich in organic matter is ideal for its cultivation. The pH of soil should be 7–8.5. Tomato can tolerate moderate acidic and saline soils. In red and black soils of Karnataka, Maharashtra and Madhya Pradesh, tomato hybrids are cultivated commercially.
30. **Turnip:** The roots develop best flavour, texture and size at a temperature of 10°–15°C. Turnip can be grown in all kinds of soils but it grows well in loam soil having sufficient humus. The well-drained, sandy loam soil is ideal for its cultivation.
31. **Water Melon:** Plant growth is optimum under 28°–30°C, while fruiting is better at 24°–27°C. higher temperatures are beneficial during ripening. Arid regions of Rajasthan are best suited for production of quality fruits. Watermelon may be grown on a wide variety of soils. Sandy loams are best for early crop, while loam have high yielding potential. Alluvial river-beds are also good for watermelon. It is generally cultivated in river-beds by making trenches and sowing in hills or pits. A pH of 6.5–7.0 is ideal.







## HORTICULTURE DIVISION

Department of Agriculture & Cooperation

Ministry of Agriculture

Krishi Bhawan, New Delhi – 110001

**Tel.:** 91-11-23381012 | **Fax:** 91-11-23383712

**Email:** [gorakh.singh@nic.in](mailto:gorakh.singh@nic.in)

**Web:** [www.agricoop.nic.in](http://www.agricoop.nic.in), <http://tmnehs.gov.in>, [www.nhm.nic.in](http://www.nhm.nic.in)