

Crops, Origin, Edible Part.	Botanical Name & Family	Soil	Climate	Varieties	Special Horticultural practices	Prop <sup>n</sup> method	Seed Rate, Spacing & Planting season	Fertilizer dose	Maturity Indices	Harvesting	Yield	Pests	Diseases	Physiological Disorder
Tomato, (South America) <b>Fruits</b>	<i>Lycopersicon esculentum</i> (Solanaceae)	Well drain, sandy loam, PH-6-7.5	Warm & Humid, Temp. 21-27 <sup>o</sup> C	Pusa Ruby, Sioux, Dhanshree, Rajshree, Pusa Gaurav, Arka Vikas, Arka Saurabh, Pusa Sheetal.	Stacking	Seed	400-500 g/ha, 60 x 45 cm, Kharif & Rabi.	FYM-25 t/ha, 100:50:50 Kg NPK/ha	Mature Green stage, Pink Stage, Ripe Stage, Fully Ripe Stage.	Harvesting done manually by plucking at different stage of maturity.	25-30 t/ha, <b>F1-50-60 t/ha</b>	Fruit borer, White fly, Thrips, leaf minor.	Early blight, late blight, <b>leaf curl virus (WF), Spotted wilt virus (Thrips)</b>	Cracking, Blotchy ripening, Blossom end rot etc.
Brinjal ( Indo-Burma or India) <b>Fruits</b>	<i>Solanum melongena</i> (Solanaceae)	Well drain, sandy loam, red lateritic, PH-6-6.5	Warm & Humid, Temp. 18-22 <sup>o</sup> C	Pusa Purple Long, Pusa Kranti, Pusa Anmol, Manjri Gota, Krishna, Pragati, Arka Navneet, Phule Harit.	--	Seed	600-800 g/ha 60 x 60 cm, 60 x 45 cm, 45 x 45 cm & Kharif, Rabi, Summer.	FYM-25 t/ha, 100:50:50 Kg NPK/ha	Desirable size, colour & tender stage	Harvesting done by cutting with a small pruning shear or sharp knife	20-30 t/ha, <b>F1-40-50 t/ha</b>	Brinjal fruit and shoot borer, stem borer, aphids	Phomopsis blight, damping off, wilt, <b>little leaf (Jassids)</b>	--
Chilli (Mexico) <b>Fruits</b>	<i>Capsicum annum</i> (Solanaceae)	Fertile, sandy loam, PH-6-8	Warm & Humid, Temp.	Pusa Jwala, Agnirekha, Pusa Sadabahar, Pant C-1, Arka Mohini, Arka Gaurav, Arka Lohit.	--	Seed	1-1.5 Kg/ha, 60 x 45 cm, 45 x 45 cm & Kharif, Rabi, Summer.	FYM-25 t/ha, 100:50:50 Kg NPK/ha	Harvested at two stages Green in colour & dry chilli when red in colour.	Fruit are picked either green or fully red ripen.	5-7 t/ha	Thrips	Anthracnose, <b>leaf curl(WF &amp; Thrips), mosaic (Aphids)</b>	Blossom end rot, Frog eye rot.
Okra (Africa) <b>Fruits</b>	<i>Abelmoschus esculantus</i> ( Malvaceae)	Sandy loam to clay, well drain, PH-6-6.8	Warm & Humid, Temp. 20-30 <sup>o</sup> C, continues rain are harmful.	Pusa Sawani, Parbhani Kranti, Arka Anamica, Punjab Padmini, phule Kirti, Phule Uttakarsha.	--	Seed	12-15 Kg/ha, 45 x 30 cm, Kharif & Summer.	FYM-25 t/ha, 100:50:50 Kg NPK/ha	Green tender, Size 6-8cm, 6-7 days after opening of flower	Harvesting done by picking of tender fruit.	12-15 t/ha	Shoot and borer, jassids, White fly (WF)	<b>Yellow vein mosaic virus (WF), Enation leaf curl virus (WF).</b>	--
Onion (central Asia) <b>Leaves, Bulb</b>	<i>Allium cepa</i> (Alliaceae or Amaryllidaceae)	Sandy loam with good organic matter, PH-6-7.5.	Cool season grows well under mild climate, temp. 20-25 <sup>o</sup> C.	N-53, Baswant 780, Phule Safed, Pusa Red, Phule Utkarsha, Arka Kalyan, Phule Suvarna.	--	Seed	10-12 Kg/ha for rabi, 12-15 Kg/ha for Kharif. 15 x 10 cm, 12.5 x 7.5 cm, Kharif, Rabi, Summer.	FYM-25 t/ha, 150:50:50 Kg NPK/ha	3-4 month after transplanting, Neck Fall 60-70%,	Harvesting is done by pulling out plants when tops are drooping but still green.	20-25 t/ha,	Thrips, onion fly, leaf eating caterpillar, head borer, cut worm.	Purple blotch, onion smut, downey mildew.	Poor seed germination, Bolting, Poor bulb storage.
Cabbage (Mediterranean region) <b>Head</b>	<i>Brassica oleracea var. capitata</i> (Brassicaceae or Cruciferare)	Well drain, sandy to heavy clay loam, PH 6-8.	Cool season crop, temp. 13-16 <sup>o</sup> C,	Golden Acre, Pride of India, Pusa Drum Head, Copenhagen Market, Pusa Mukta, Pusa Ageti, Pusa Sambandh.	--	Seed	400-500 g/ha, 45 x 15 cm, 60 x 45 cm, Kharif, Rabi	FYM-25 t/ha, 150:50:50 Kg NPK/ha	Colour changes to light green at maturity, compact head.	The heads are cut with sickle attached with some wrapper leaves.	20-30 t/ha	Diamond back moth, cabbage butterfly, mustard saw fly.	Damping off, club rot, black rot,	--
Cauliflower (Mediterranean region) <b>Curd</b>	<i>Brassica oleracea var. botrytis</i> (Brassicaceae or Cruciferare)	Sandy loam, Well drain, PH 6.5-7.5	Cool season crop, temp. 17-20 <sup>o</sup> C	Pusa Ketki, Pusa Himjyoti, Pusa Snowball K-1, Pusa Meghna, Hisar-1, Pusa Deepali, Pant Shubhra. Arka kanti	Blanching	Seed	400-500 g/ha 60 x 45 cm, 45 x 45 cm, Kharif, Rabi	FYM-15 t/ha, 100:50:50 Kg NPK/ha	Curd attained desirable size, head are compact.	Curd cut with sharp knife with 2-3 large leaves to protect the curd.	15-20 t/ha	Diamond back moth, cabbage butterfly, mustard saw fly.	Damping off, club rot, black rot,	Riceyness, fuzziness, whiptail, browning, leafyness.

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Cucumber (India) Fruits	<i>Cucumis sativas</i> (Cucurbitaceae)	Sandy loam to clay soil. PH 5.5 -6.8	Warm season crop, Temp. 18-24°C	Phule Shubhangi, Pusa Sanyog, Himangi, Poona Khira, Sheetal, Pusa Uday, Swarna Ageti.	Stacking	Seed	2.5-3.5 Kg/ha, 1 x 0.5 m Kharif & Summer.	FYM-15 t/ha, 100:50:50 Kg NPK/ha	Tender/ immature stage, 60-70 days after sowing	Regular harvesting of fruit is necessary, to avoid inhabitation of further fruit set on plant	25-35 t/ha	Fruit Fly, Red Pumpkin beetle,	Cucumber mosaic virus, Yellow vein,	
Water Melon (Tropical Africa) Fruits	<i>Citrullus lanatus</i> (Cucurbitaceae)	Loam & Sandy loam best, rich in organic matter, PH 6-6.5	Warm season crop, Temp. 24-27°C, high temp & low humidity suitable for water melon.	Sugar Baby, Arka Manik, Arka Jyoti, Pusa Bedana (seedless variety), Durgapura Meetha, Durgapura Keshar, Durgapura Lal.	--	Seed	3.5-5 kg/ha 2 x 0.5 m, Summer	25 t FYM/ha, 100:50:50 Kg NPK/ha	95-120 days after seed sowing, change of ground spot color green to yellow & dull-thud sound on thumping the fruit.	Harvested at full ripening stage,	25-35 t/ha	Epilachna Beetle, Aphids,	Green Mottle Mosaic, Fusarium Wilt, Mosaic Virus,	
Musk Melon (Tropical Africa) Fruits	<i>Cucumis melo</i> (Cucurbitaceae)	Loam & Sandy loam best, rich in organic matter, PH 6-7.5	High temp. & low humidity for fruit ripening, temp. 20-25°C.	Arka Jeet, Arka Rajhans, Pusa Madhuras, Pusa Sharbati, Pusa Rasraj, Panjab Raseela, Hara Madhu, Durgapura Madhu, Hisar Saras.	--	Seed	5-6 kg/ha, 1.5 x 0.5m, 90 x 60 cm Summer	15 t FYM/ha, 100:50:50 Kg NPK/ha	Mature fruit separate (slip) easily from stem is called full slip stage, half slip stage half stem separate from stem easily.	Half slip for long distance market, Full slip stage for local market & 90-125 day after seed sowing,	10-15 t/ha	Mites.	Bud Necrosis, Powdery mildew,	
Bottle Gourd (South Africa or India) Fruits	<i>Lagenaria siceraria</i> (Cucurbitaceae)	Well drain sandy loam with rich in organic matter, PH 6-7	warm and humid climate and slightly cool, temp. 24-27°C.	Samrat, Pusa Sandesh, Pusa Meghdoot, Arka Bahar, Pusa Navneet, Pusa Manjari, Panjab Komal.	Stacking or training of vines	Seed	3-4 kg/ha, 2.5 x 1 m, 3 x 1 m, Kharif & Rabi	15 t FYM/ha, 100:50:50 Kg NPK/ha	Tender/ immature stage, 60-70 days after seed sowing	The fruit harvested at attain marketable stage, harvesting should be carefully so fruit do not get Bruised.	25-30 t/ha		Downy mildew.	
Ridge Gourd (Asia) Fruits	<i>Luffa acutangula</i> (Cucurbitaceae)	Sandy loam with rich in organic matter PH 6-7	Warm season crop, warm and humid climate, Temp. 24-27°C,	Pusa Nasdar, Co-1, Co-2, Satputia, Panjab Sada Bahar, PKM-1, Arka Sujath, Konkan Harita.	Stacking or training of vines	Seed	3.5-5 kg/ha 2 x 1 m, Kharif & Summer	15 t FYM/ha, 100:50:50 Kg NPK/ha	Tender/ immature stage, 60-90 days after seed sowing,	The fruit harvested at attain marketable stage after 5-7 day after anthesis,	12-15 t/ha			
Sponge Gourd (India) Fruits	<i>Luffa cylindrica</i> (Cucurbitaceae)	Sandy loam with rich in organic matter PH 6-7	Warm season crop, warm and humid climate, Temp. 24-27°C,	Pusa Chikni, Pusa Supriya, Pusa Sneha, Arka Sumeet, Pusa Nutan.	Stacking or training of vines	Seed	2.5-3.5 kg/ha, 2 x 1 m, Kharif & Summer	15 t FYM/ha, 100:50:50 Kg NPK/ha	Tender/ immature stage, 60-90 days after seed sowing	The fruit harvested at attain marketable stage after 5-7 day after anthesis,	8-12 t/ha			
Bitter Gourd (India) Fruits	<i>Momordica charantia</i> (Cucurbitaceae)	Sandy loam with rich in organic matter PH 6-7	Warm season crop, Temp. 25-30°C,	Hirkani, Phule Green Gold, Pusa Do Mausami, Pusa Vishesh, Arka Harit, Konkan Tara.	Stacking or training of vines	Seed	4-6 kg/ha, 2 x 1 m, Kharif & Summer	15 t FYM/ha, 100:50:50 Kg NPK/ha	Tender/ immature stage, 50-60 days after seed sowing,	Harvested at fruit attain marketable stage for 2-3 week after anthesis	10-15 t/ha			

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Mango (Indo-Burma)	<i>Mangifera indica</i> (Anacardiaceae) (Common Name- King of Fruit, Bathroom fruit)	Alluvial soil, Slightly acidic having PH-5.5-7, with good drainage is ideal.	Tropical climate having temp. 24-27°C is ideal, high temp. during fruit development give good quality fruit.	<b>Monoembryonic:</b> Alphanso, Kesar, Langra, Vanraj, totapuri, <b>Polyembryonic:</b> Olour, Bappakai, Goa, <b>Hybrid:</b> Mallika, Amrapali, Ratna, <b>Sindhu (seedless)</b> , Pusa Lalima.	Ringling	Stone grafting, Soft wood grafting	10 x 10 m, 8 x 8 m 2.5 x 2.5 m (HDP) June-July, Aug-September	100 kg FYM/plant/year 1000:500:1000 g NPK/plant/year	Tapka stage, specific gravity-1.01-1.02, TSS-12-15%, Colour dark green to light green, shoulder out grow the stalk end	Harvesting should be done fruit attain full size, harvesting should be done with help of <b>natal zela</b> or mango harvester.	2000-3000 fruit/plant/year	Fruit Fly, Stem Borer, Stone Weevil, Aphid.	Powdery Mildew, Anthracnose.	Spongy Tissue, Alternet Bearing.
Banana (South East Asia)	<i>Musa paradisiaca</i> (Musaceae)	Deep, alluvial, well drained, loamy with good organic matter PH 6-8	Warm and humid, rainy climate, temp. 20-30°C, rain fall 120 cm.	Grand-9, Basarai, Srimanti, Harisal, Lal Velchi, Safed Velchi, Mahalaxmi, Poovan, Nendran.	Propping, Denavelling, Desuckering.	Rhizome (500-750g wt.), suckers, Tissue culture.	2 x 2 m 1.8 x 1.8 m 1.5 x 1.5 m June – July Sept. - oct.	50 kg FYM/plant/year 200:40:200 g NPK/plant/year	11-14 month after planting, fruit mature after 120-140 day after flowering, metallic sound at finger taping, drying of upper leaves.	The trunk is lopped with sickle, the bunch will not fall to ground to avoid injury and about 30 cm of stalk must be left to make handling easy.	40 t/ha	Weevil, Aphid.	Sigatoka, Bunchy Top, Panama Wilt.	Neer Vazhai, Kotta Vazhai.
Grape (Afghanistan)	<i>Vitis venifera</i> (Vitaceae)	well drained, light, medium, alluvial soil, with good organic matter PH 6.5-8	Semi arid and sub-tropical, summer hot and dry & mild winter, bright sunny days, temp. 10-40°C.	Thompson Seed Less, Sonaka, Tas-E Ganesh, <b>Sharad Seed Lees (Black colour)</b> , Manik Chaman, Manjari Naveen, Perlette, Arkavati.	Girdling, Thinning, And Dipping.	Hard Wood Cutting (Root stock- Bangalore Dogridge, One-10-R.	3 x 1.5 m 2.5 x 1.5 m Jan-Feb.	50 kg FYM/plant/year 900:500:700 g NPK/plant/year	Fruit mature 120-140 day after fruit pruning, TSS-16-20 % (Brix)	Fully ripe fruit are harvested, the bunch removed from vine by sharp secateurs.	25-40 t/ha	Udya Beetle, Mealy Bug, Stem Girdler, Thrips	Powdery mildew, Downy Mildew, Anthracnose.	Uneven ripening, Pink Berry, Flower or Bud drop.
Pomegranate	<i>Punica granatum</i> (Punicaceae)	Loamy and alluvial soil, medium or light soil is ideal, PH 6-7.5	Cool winter and hot & dry summer where rainfall is low, temp. 10-40°C	Phule Bhagwa, Phule Arakta, Ganesh, Mridula	Bahar Treatment	Air Layering	5 x 5 m June - July	50 kg FYM/plant/year 625:250:250 g NPK/plant/year	Fruit ready 150-170 day after flowering, TSS 16-17%, dark red color and surface become soft	The fruit are harvested at proper stage of maturity	25-30 t/ha	fruit Borer, Anar Caterpillar,	Bacterial blight	Fruit cracking
Sapota	<i>Acharas sapota</i> (Sapotaceae)	Deep alluvial good organic matter PH 6-7.5	Tropical climate rain fall 125-250 cm, temp. range 20-34°C	Kalipatti, Pillipatti, Cricket Ball, Dhola Diwani, Culcutta Round	--	Aproch Grafting, Inarch Grafting,	10x10 m, 8x8 m June - July	100 kg FYM/plant/year 1000:500:500 g NPK/plant/year	Fruit mature 240-270 days after flowering, fruit develop dull orange or potato color, milky latex content reduce	Fully mature fruit are harvested with the help of sapota harvester	3000 fruit/plant/year	Fruit Fly, Leaf Eating Caterpillar Scale Insect	Leaf Spot and Fruit Rot	--
Guava	<i>Psidium gajava</i> (Myretaceae)	Sandy loam with good organic matter PH 6-7.5	Basically tropical climate grow wide range of climate	L-49 (Sardar), Allahabad Safeda, Lalit, Banaras	Bending	Air Layering, ground layering	7x7 m 5x5 m June - July	50 kg FYM/plant/year 625:250:250 g NPK/plant/year	Fruit mature 140-160 days after flowering, color change from pale green fruit become soft	Hand pulling, picking is done 2-3 times in a weeks, fruit collect in basket	1500 Fruit/plant/year	Fruit fly, White fly	Anthracnose, Guava Canker	Bronzing

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Mandarin	<i>Citrus reticulata</i> (Rutaceae)	Sandy loam with good organic matter PH 6-7.5	Tropical climate, temp. 25-35°C	Nagpur Mandarin, coorg Mandarin, Khashi, Kamla	Bahar Treatment	T-Budding	7x7 m 5x5 m June-July	50 kg FYM/plant/year 1000: 500:500 g NPK/plant/year	Mature 210-240 day after flowering,	Fruit picker collect the fruit manually	800-1200 fruit/plant/year	Fruit fly leaf minor, leaf eating caterpillar	Gummosis, Citrus Canker, Dieback	--
Sweet orange	<i>Citrus sinensis</i> (Rutaceae)	Sandy loam with good organic matter PH 6-7.5	Sub-tropical, dry climates, low rain fall, temp. 20-30°C	Mosambi, Katol Gold, Pine Apple, Washington Novel, Satgudi, Jaffa	Bahar Treatment	T-Budding	6x6 m 5x5 m June-July	50 kg FYM/plant/year 1000: 500:500 g NPK/plant/year	Mature 210-240 day after flowering,	Fruit picker collect the fruit manually	600-800 fruit/plant/year	Fruit sucking moth, leaf minor	Gummosis, Citrus Canker, Dieback	--
Acid Lime	<i>Citrus aurantifolia</i> (Rutaceae)	Sandy loam with good organic matter PH 6-7.5	Sub-tropical, dry climates, low rain fall, temp. 20-30°C	Sai Sarbati, Vikram Pramalini, Chakradhar (seedless) Baramasi, PDKV Bahar	Bahar Treatment	T-Budding	5x5 m June-July	50 kg FYM/plant/year 600: 300:300 g NPK/plant/year	Mature 120-150 day after flowering,	Fruit picker collect the fruit manually	3000 fruit/plant/year	Fruit fly leaf minor, leaf eating caterpillar	Gummosis, Citrus Canker, Dieback	--
Ber	<i>Zyziphus jujube</i> <i>Z. mauritiana</i> (Rhamnaceae)	Sandy loam with good organic matter PH 6-7.5	Tropical and sub tropical climate, hot and dry climate and low water require.	Umran, Gola, Ilaichi, Ganesh Kirti, Mehrun, Mukta	Pruning	Patch Budding	8x8 m 5x5 m June - July	50 kg FYM/plant/year 500:250:250 g NPK/plant/year	Mature 120-150 day after flowering, color change from dark green to pale green	Picked the fruit at right stage of maturity	75-100 kg fruit/plant/year	Fruit fly leaf minor, White Fly	Powdery Mildew, Fruit Rot	--
Rose (India)	<i>Rosa indica</i> (Rosaceae)	Well drained, medium loam soil having PH 6-7.5 is ideal	Cool climate, Loves sunshine & free ventilation, Night Temp. 16°C, produce more flower.	<b>Hybrid Tea:</b> Super Star, Raktagandha, Arjun, Rajkumari, Bhim. <b>Floribundas:</b> Mohini, Sindhoor, Suchitra.	Bending, Disbudding, And Pinching.	Shield budding & Cutting.	60 x 75 cm, 60 x 45 cm. Oct to Dec & May to June.	8-10 kg / plant 250:500:375 kg/ha	<b>Cut flower:</b> Tight bud stage <b>Loose Flower:</b> Fully open.	Harvesting should be done early morning or late evening	30-40 flower/plant/year.	Red Scale, Mites, Thrips, Mealy Bug.	Dieback, Powdery mildew, Black Spot, Rust.	Bullhead, Bend neck, (storage disorder) Sleepiness (Ethylene injury)
Chrysanthemum (China)	<i>Dendronthema grsndiflora</i> (Compositae)	Well drained, sandy loam with good organic matter PH 6.5-7	Short Day Plant, Temp. 20-27°C	Sonar Bangla, Sweet Heart, Kirti, Indira, Chandrama, Day Dream, Mahatma Gandhi, Chandrakant.	Pinching, Disbudding,	Seeds, Root suckers or Terminal cuttings.	45 x 30 cm, 30 x 30 cm. Jan-Feb., Jun-July.	20-30 t FYM/ha 200:200:200 kg/ha	<b>Standard:</b> 40-50% flower open, <b>Dwarf Var.:</b> 80-85% flower open.	3-4 months after TP., fully open flower are harvested.	10-12 t/ha	Aphids	Wilt, Stem & Foot rot,	Petal burn (deficiency of boron)
Aster (China)	<i>Callistepus chinensis</i> (Compositae or Asteraceae)	Well drained, loamy with good organic matter PH 6-8	Mild Climate, Temp. 18-20°C, Avoid frost.	Kamini, Pournima, Shashank, Phule ganesh White, Phule Ganesh Pink, Phule Ganesh Violet	--	Seeds	30 x 30 cm, 45 x 30 cm	20-30 t FYM/ha 200:200:200 kg/ha	40-50% flower open,	Fully open flower are harvested	18-20 t/ha	Aphids, Thrips, Bud borer.		

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Marigold	Af. <i>Tagetes erecta</i> Fr. <i>Tagetes patula</i> (Compositae or Asteraceae)	Well Drain, Sandy loam with good organic matter PH 7-7.5	Mild Climate, Temp. 18-20°C, Avoid frost.	<b>Af. Marigold:</b> Snowbird, Cracker Jack, Hawaii, Golden Age, Beauty Gold <b>Fr. Marigold:</b> Happy Orange, Happy Yellow, Golden Boy, Yellow Boy.	Pinching	Seeds	3 kg/ha 45 x 45 cm, 60 x 45 cm. Jun-July.	15 t FYM/ha 400:200:60 Kg/ha	The flower are harvested when attain full size	Harvesting should be done by hand picking	<b>AM:</b> 8-12 t/ha, <b>FM:</b> 10-18 t/ha	Red Mites, leaf minor.	Powdery Mildew.	
Gladiolus (Africa)	<i>Gladiolous tristis</i> (Irigaceae)	Light to clay soil, Ph 5.5-6.5, well drain, rich in organic matter	Mild climate, Hot & cold Harmful, open sunny condition Temp. range 15-20°C.	Phule Ganesh, Phule Tejus, Agnirekha, Suchitra, Phule Perna, Phule Neelrekha, Pusa Suwasini, Blue Sky, Happy End	--	Corms, Tissue culture.	1,50,000 corm/ha 30 x 30 cm, 30 x 20 cm, Mid Sept. to Mid Nov.	15-20 t FYM/ha 400:200:200 Kg/ha	basal flower show the color	Spikes are harvested when basal flower show the color, for local market spikes are fully open	2 lake spikes/ha	Aphids	Wilt or Collar rot,	
Tuberose	<i>Polyanthus tuberosa</i> (Amaryllidaceae)	Sandy loam, rich in organic matter PH 6.5-7.5	Tropical and sub-tropical, Temp. 20-35°C, grow well 1200-1500 m above MSL.	Shrinagar, Suwasini, Rajat Rekha, Swarna Rekha, Dhawal, Phule Rajani.	--	Bulbs	25 x 25 cm, 30 x 30 cm Feb – March, Jun-July.	10 kg FYM/ m <sup>2</sup> 200:150:200 Kg/ha	80-100 days after planting,	Spikes are harvested at bud-burst stage.	10-14 t/ha or 70-100 flower/plant	Thrips, Bud Borer, Aphid, Red Mites	Stem rot, Leaf blight, leaf spot, bud rot.	
Gaillardia (CN: Blanket flower) (North America)	<i>Gaillardia pulchella</i> (Asteraceae)	Well drain, sandy loam, heavy & clay soil rich in organic matter PH 6-7.5	Mild Climate, Temp. 18-20°C, Avoid frost.	Indian Chief Red, Bremen Burgundy, Cobalt, Monark,	--	Terminal Cutting, Seeds	60 x 60 cm, 30 x 30 cm, May – July.	25 t FYM/ha 200:100:100 kg/ha	40-50% flower open, flower show the color	Fully open flower are harvested	5-7 t/ha	Mites, aphids, Jassides	Die-back, leaf spot, Powdery mildew.	
Jasmine (Mogra)	<i>Jasminum sambac</i> (Oleaceae)	Sandy loam with good organic matter PH 6-7.5	Mild tropical climate, warm summer, mild winter & sunny days is ideal.	Khoya, Motia, Single Mohora, Double Mohora, Rai Japanese.	Pinching, Pruning	Stem cutting, Ground layering	1.2 x 1.2 m, Jun – July.	10 kg FYM/Plant/yr. 100:150:100 g NPK/Plant/yr.	Flowering start from II <sup>nd</sup> yr after planting, Bud are fully develop but still unopened.	fully develop/ opened flower are harvested between 6-8 AM or early morning.	7-8 t/ha	Bud Warm, Red Mites, White Ant, Nematodes	Wilt, Leaf Spot, Leaf Blight.	
(Jai)	<i>Jasminum grandiflorum</i> (Oleaceae)	Sandy loam with good organic matter PH 6-7.5	Mild tropical climate, warm summer, mild winter & sunny days is ideal.	Surabhi, Co-1 Pitchi, Co-2 Pitchi, J.G.-5.	Pinching, Pruning	Semi hard wood cutting	1.5 x 1.5 m, Jun – July.	10 kg FYM/Plant/yr. 100:150:100 g NPK/Plant/yr.	Flowering start from II <sup>nd</sup> yr after planting, Bud are fully develop but still unopened.	fully develop/ opened flower are harvested between 6-8 AM or early morning.	8-10 t/ha	Bud Warm, Red Mites, White Ant, Nematodes	Wilt, Leaf Spot, Leaf Blight.	
(Jui)	<i>Jasminum auriculatum</i> (Oleaceae)	Sandy loam with good organic matter PH 6-7.5	Mild tropical climate, warm summer, mild winter & sunny days is ideal.	Co-1 Mullai, Co-2 Mullai, Pari Mullai, Long Point, Long Round, Medium Point.	Pinching, Pruning	Semi hard wood cutting	1.8 x 1.8 m, Jun – July.	10 kg FYM/Plant/yr. 120:240:240 g NPK/Plant/yr.	Flowering start from II <sup>nd</sup> yr after planting, Bud are fully develop but still unopened.	fully develop/ opened flower are harvested between 6-8 AM or early morning.	8 t/ha	Bud Warm, Red Mites, White Ant, Nematodes	Wilt, Leaf Spot, Leaf Blight.	