Beam	Crop Name	Scientific Name	Soil Type	NPK Recommendation (kg/h; Growth Time	Potential Diseases	Phenotypic Output	Cultivation Style
Cachenount Muss app. Bish loamy 0.05.10.2 8-11 morns Cachenount Anaexardum-accidentale Residual Cachenount Cachenount Anaexardum-accidentale Residual Cachenount Cac	Ragi	Eleusine coracana	Loamy, sandy loam	02:01:01 3-5 months	Blast, Mosaic	Spiked panicle, finger-like spikes	Intercropping with pulses
Carrot Daeus carrota Lose bearny One 10.10.10 5-10 kg/tree Daeus carrota Lose bearny 10.10.10 5-10 kg/tree Daeus carrota Lose bearny 10.10.10 5-10 kg/tree Daeus carrota Lose barny 10.10.10 5-10 kg/tree Daeus carrota Lose barny 10.10.10 5-10 kg/tree Daeus Carrota pappy 6 fertle expecial 0.10.10 6-10 kg/tree Daeus Carrota pappy 6 fertle expecial 0.10.10 6-10 kg/tree Daeus Carrota pappy 6 fertle expecial 0.10.10 6-10 kg/tree Daeus Carrota pappy 6 fertle expecial 0.10.10 6-10 kg/tree Daeus Carrota pappy 6 fertle expecial 0.10.10 6-10 kg/tree Daeus Carrota pappy 6 fertle expecial 0.10.10 kg/tree Daeus Carrota Pappy 6 fertle expecial 0.10.1	Bhendi (Lady's Finger)	Abelmoschus esculentus	Loamy soils	01:01:01 45 days	Wilt, Mildew	Tapering pods	Sown in rows
Carrior Danics caroth Loses loamy 0.10.10.1 of Smooths Carrior tough Claim Carrior	Banana	Musa spp.	Rich loamy	02:01:02 8-11 months	Leaf Spot, Wilt	Herbaceous perennial	Soil with good drainage
Property	Cashewnut	Anacardium occidentale	Red sandy loam	01:01:01 5-10 kg/tree	Dieback	Leathery leaves, curved fruit	Pits with organic manure
Particum programs Fertile Proposed Sandy Ioann 10.2023 of 9 months Miles Perineteum glaucum Aluchels promoses Lounny, seelf-crimined 41.00.2011 15.9 months Miles Perineteum glaucum Aluchels promoses Lounny, seelf-crimined 41.00.2011 15.9 months Miles Perineteum glaucum Ananos homoses Lounny, seelf-crimined 41.00.2011 15.9 months Miles Perineteum glaucum Perineteum glaucum Ananos homoses Lounny, seelf-crimined 41.00.2011 24.9 months Miles Perineteum glaucum Perineteu	Carrot	Daucus carota	Loose loamy	01:01:01 3-5 months	Leaf Spot, Rot	Edible taproot	Raised beds, loamy soil
Formation Market hypogeae Sandy loan 1922/03 9-120 days Acet Spot, Rust Hethaceus plant Row planting in turrors Row planting Row planting in turrors Row planting in turrors Row planting	Grapes	Vitis vinifera	Well-drained loamy	01:01:02 Year-round	Mildew	Woody vine, grape clusters	Planting pits filled with FYM
Milet Penisetum glaucum Alluvist, sandry 79.58.35 60.100 days Penisetum glaucum Ananas commonus Caum, well-drained 14.00.110 15.18 months Caumy and Indiana 14.00.110 15.42 months Caumy and Indiana Caumy and Indiana 14.00.110 15.42 months Caumy and Indiana Caumy and In	Papaya	Carica papaya	Fertile tropical	01:01:01 6-9 months	Mildew, Mosaic Virus	Palmately lobed leaves	Pits with organic manure
Pineappin Annans comosus Loarmy, well-drained 14:00:210 15-18 months Short herbaceous pereminal High-density planting Soption Amounts around the Mile	Groundnut	Arachis hypogaea	Sandy loam	01:02:03 90-120 days	Leaf Spot, Rust	Herbaceous plant	Row planting in furrows
Sancto Manikara zapota Sancto S	Millet	Pennisetum glaucum	Alluvial, sandy	70:35:35 60-100 days	Mildew, Rust	Tall stalks, dense seeds	Grown in rows
Arcanut Arrea action Red Interference Concern Theorems Cases Design Systems (Concern Theorems Cases) Clay form, sandy loam 28:01.06 Syears Back Popular Future of Palam with tall stem Systems, season Clay form, sandy loam 28:01.06 Syears Back Popular Future of Palam with tall stem Systems, season Clay form, sandy loam 01:01:02:02 5 d months Microsoft Storm (Castiflower Brassles other access of Loary Soal Loamy Soal 01:01:01 3 d months Palam with tall stem Systems, season Castiflower Brassles other access or Loamy Soal Loamy Soal 01:01:01 3 d months Palam with Early Soal Castiflower Castiflower Brassles other access or Loamy Soal Castiflower Brassles other access or Loamy Soal Castiflower Castiflower Brassles Other access or Loamy Soal Castiflower Brassles other Soal Castiflower Brassles S	Pineapple	Ananas comosus	Loamy, well-drained	14:03:10 15-18 months	Rot, Fusariosis	Short herbaceous perennial	High-density planting
Areca attachu Areca attachu Red taterite 1.10.10.13 3-74 weeks Bud rof. Putror Paim with tail stem Spocing-based planting Cocoa Theotomora caco Clay loam, sandy loam 2.801.06 5 years Baars Phaseolus spp. Loamy soil 1.01.01.2 3-months Leaf Spot, Buight Broad leaves, climbing wises Row planting with trellises Blate Ford, Witches' Brown Woody perennial Intercropping with shalled trees Cauliflower Brasisic and exicate var. bottynis Common 1.01.01.01 3-4 months Plitidew, Leaf Spot C. Cylindrical spindle fruit Raised beds with drip ingation and the property of the property	Sapota	Manilkara zapota	Sandy loam, alluvial	02:01:01 4-5 months	Leaf spot, Sooty mold	Round or oval fruit	High-density planting
Pose	Guava	Psidium guajava	Well-drained loamy	01:01:01 3-4 years	Wilt, Canker	Small branched tree	Raised beds with compost
Beans Phaseolus spp. Loamy solf 101:011 2-3 months Lef Spot Bylinter Gurd Momordica charantia Sandy Joam 101:020 25 6-min Mildow, Leaf Spot Cylindrical or spineler truit Raise debe sivil dring irrigation 101:010 3-4 months Mildow, Leaf Spot Cylindrical or spineler truit Raise debe sivil dring irrigation 101:010 3-4 months Mildow, Leaf Spot Cylindrical or spineler truit Raise debe sivil dring irrigation 101:010 3-4 months Mildow, Leaf Spot Cylindrical or spineler truit Raise debe sivil dring irrigation 101:010 3-4 months Mildow, Leaf Spot Cylindrical or spineler truit Raise debe sivil dring irrigation 101:010 3-4 months Mildow, Leaf Spot Cylindrical or spineler truit Raise debe sivil dring irrigation 101:010 3-4 months Mildow, Leaf Spot Cylindrical or spineler truit Raise debe sivil dring irrigation 101:010 3-4 months Mildow, Leaf Spot Cylindrical or spineler truit Raise debe sivil dring irrigation 101:010 3-4 months Rusts, Powderp Mildow Upot por diverse shapes Rows with organic manure Well-drained loamy 200-250:250 50-80 days Wilt, Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red laterite 201-0103 7-4 months Pot Chult School Spot Spot Spot Spot Spot Spot Spot Spot	Arecanut	Areca catechu	Red laterite	01:01:01 35-47 weeks	Bud rot, Fruit rot	Palm with tall stem	Spacing-based planting
Bitter Gourd Momordica charantial Sandy Joam 11:20:22 5-6 months Mildew, Leaf Spot Cylindrical or spindle Pruit Ralsed beds with drip Irrigation Cauliflower Brassica oleraceavar, bottysis Loamy, soil 01:01:01 5-6 years Spots, Rot Woody perennial Rizzome or culm planting Protato Solanum tuberosum Sandy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rizzome or culm planting Rotato Rot	Cocoa	Theobroma cacao	Clay loam, sandy loam	28:01:06 5 years	Black Pod, Witches' Broom	Woody perennial	Intercropping with shade trees
Bamboo Bambusoldeae Loamy, well-drained 01:01:01 3-4 months Middew, Leaf Spot Firm, succlient curd Protary seedling transplant Bamboo Bambusoldeae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennal Rhizome or culm planting Potato Solanum tuberosum Sandy, well-drained 01:01:01 75-120 days Blight, Rot Tubers of diverse shapes Rows with organic manure Wheat Triticum aesthium Clay loam, loam 10:01:01 75-120 days Blight, Rot Tubers of diverse shapes Rows with organic manure Well-drained loamy 20:02:50:250 50-80 days Witt, Leaf Curd Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red laterite 01:01:03 7-8 months Black Pepper Piper nigrum Red laterite 01:01:03 7-8 months Red Sandy loam, clay loam 02:02:01 80-150 days Black Rot	Beans	Phaseolus spp.	Loamy soil	01:01:01 2-3 months	Leaf Spot, Blight	Broad leaves, climbing vines	Row planting with trellises
Bamboo Bambusoideae Loarny, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm plantling Potato Solanum tuberosum Sandy, well-drained 01:01:01 75-120 days Bight, Rot Tubers of diverse shapes Rows with organic manure Whent Triticum aesthrum Clay loann, Inam Soud-40 7-78 months Rusts, Providery Mildew Golden fields in spring Well-putreds eeethed Well-drained loarny 02:02:02:02:05 05-80 days Wilt, Leaf Curl Highly branched herb Sandy or loarn soils Black Pepper Piper nigrum Red laterite 01:01:03 7-8 months Foot Rot, Wilt Slender spikes with blossoms Monocrop or mixed crop Belaty Onion Allium cepa Sandy loarn, clay loarn 02:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loarn soils Belaty Onion Allium cepa Sandy loarn, clay loarn 02:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loarn soils Belaty Onion Allium cepa Sandy loarn, clay loarn 02:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loarn soils Belaty Onion Allium cepa Sandy loarn, clay loarn 02:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loarn soils Belaty Onion Allium cepa Sandy loarn, clay loarn 02:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loarn soils Belaty Onion Allium cepa Sandy loarn 02:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loarn soils Belaty Mildew Bulb at base, hollow leaves Seeds or bulbs Wilt Leaf Bight, Mildew Bulb at base, hollow leaves Seeds or bulbs Wilt singlest stems Norror or loarn soils and the suit of the soil belaty that the suit of the soil belaty of the soil belaty that the suit of	Bitter Gourd	Momordica charantia	Sandy loam	01:02:02 5-6 months	Mildew, Leaf Spot	Cylindrical or spindle fruit	Raised beds with drip irrigation
Potato Solanum tuberosum Sandy, well-drained 01:01:01 75-120 days Blight, Rort Tubers of diverse shapes Rows with organic manure Well-drained loamy 200:250:250 50-80 days Damping off, Wilt Varies insize and shape Warm season crop Well-drained loamy 01:00:201 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red laterite 01:01:03 78 months Foot Rot, Wilt Slender spikes with blossoms Monocrop or mixed crop Black Pepper Piper nigrum Red laterite 01:01:03 78 months Foot Rot, Wilt Slender spikes with blossoms Monocrop or mixed crop Relay or loam Vell-drained loamy 08:02:10 3-5 years Citrus Canker Oval fruit, Julcy pulp Organic manure application Citrus limon Well-drained loamy 08:02:10 3-5 years Citrus Canker Oval fruit, Julcy pulp Organic manure application Vell-drained loamy 08:02:10 3-5 years Citrus Canker Oval fruit, Julcy pulp Organic manure application Vell-drained loamy 08:02:10 3-5 years Citrus Canker Oval fruit, Julcy pulp Organic manure application Vell-drained loamy 08:02:10 3-5 years Citrus Canker Oval fruit, Julcy pulp Organic manure application Vell-drained loamy 08:02:10 3-5 years Citrus Canker Oval fruit, Julcy pulp Organic manure Vell-drained loamy 01:05:04 Vell-drained loamy Vell-drai	Cauliflower	Brassica oleracea var. botrytis	Loamy soil	01:01:01 3-4 months	Mildew, Leaf Spot	Firm, succulent curd	Protray seedling transplant
Tomato Solanum lycopersicum Well-drained loamy 200:250:250 50-80 days Damping off, Wilt Varies in size and shape Warm season crop Sind Capsicum annum Well-drained loamy 01:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red Laterite 01:01:03-78 months Food Roll Wilt Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red Laterite 01:01:03-78 months Food Roll Wilt Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red Laterite 01:01:03-78 months Food Roll Wilt Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red Laterite 01:01:03-78 months Food Roll Wilt Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red Laterite 01:01:03-78 months Food Roll Wilt Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red Laterite 01:01:03-78 months Food Roll Wilt Mildew Bulb at base, hollow leaves Seeds or bulbs Carl Blight, Mildew Bulb at base, hollow leaves Seeds or bulbs Carl Blight, Mildew Bulb at base, hollow leaves Seeds or bulbs Wilt Roll Roll Wilt Roll Wilt Cover Coval Truit, Juicy pulp Organic manure application Organic manure application Organic manure application Organic manure application Roll Wilter Super-Individual Roll Wilter Sub-shrub with rigid stems Rows planting Intercompany Village Red Roll, Smnth Later Rows Rows planting Row	Bamboo	Bambusoideae	Loamy, well-drained	01:01:01 5-6 years	Spots, Rot	Woody perennial	Rhizome or culm planting
Tomato Solanum lycopersicum Well-drained loamy 01:02:01 80-90 days Wilt, Leaf Curt Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red laterite 01:01:03 78 months Bellary Onion Allum cepa Sandy loam, clay loam 02:02:01 80-90 days Wilt, Leaf Curt Highly branched herb Sandy or loam soils Bellary Onion Allum cepa Sandy loam, clay loam 02:02:01 80-150 days Leaf Bilght, Mildew Bub abse, hollow leaves Seed sor bubbs Lemon Citrus limon Well-drained loamy 08:03:10 3-5 years Citrus Canker Oval fruit, juicry pulp Organic manure application Gartic Allum sativum Well-drained loamy 08:03:02 6-8 months Gosphum Alluval, clayey 12:06:05 90-150 days Maize Zea mays Fertile, well-drained 15:62.5:50 90-110 days Sugarcane Saccharum officinarum Loam, alluval 05:05:02 12:18 months Garges Vitis winfera Well-drained loamy 01:01:01 3-5 months Grapes Vitis winfera Well-drained loamy 01:01:01 3-5 months Millet Peniscum glaucum Alluval, sandy oam 01:02:03 90-120 days Millet Peniscum glaucum Alluval, sandy oam 01:02:03 90-120 days Millet Peniscum glaucum Alluval, sandy oam 01:02:03 90-120 days Pineapple Ananas comosus Loam, well-drained 0amy 01:01:01 3-5 months Sapota Manilkara zapota Sandy loam, alluval 02:01:01 4-5 months Sapota Phaseolus spp. Loamy soil 01:01:01 2-3 months Beans Bambsoldeae Loamy, well-drained Sandy loam 01:01:01 2-5 months British Garding trained south of the composition of the comp	Potato	Solanum tuberosum	Sandy, well-drained	01:01:01 75-120 days	Blight, Rot	Tubers of diverse shapes	Rows with organic manure
Chilli Capsicum annum Well-drained loamy 01:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red laterite 01:01:03 7-8 months Foot Rot, Wilt Slender spikes with blosoms Monocrop or mixed crop Lemon Citrus limon Well-drained loamy 08:02:10 3-5 years Citrus Canker Ova fruit, lipicy pulp Organic manure application Garlic Allium sativum Well-drained loamy 08:03:20 5 des months Root Rot, Pink Root Bulbs with closes Seeds or bulbs Cotton Gossypium Alluval, clayey 120:06:06 9 0-10 days Wilt, Blight Sub-shrub with rigid stems Rows planting Maize Zea mays Fertile, well-drained 153:62.55:0 9 0-110 days Leaf Blight, Rust Tall, determinate plant Sown in rows Cashew Anacardium occidentale Red sandy loam 01:01:01 5-10 kg/ree Leaf Blight, Rust Tall, pernaid Propagated by cuttings Grapes Vill swinfera Leos loamy 01:01:01 5-10 stomaths Leaf Spot, Rot Leaf Spot, Rot Leaf Spot, Rot Edibet paro	Wheat	Triticum aestivum	Clay loam, loam	80:40:40 7-8 months	Rusts, Powdery Mildew	Golden fields in spring	Well-pulverized seedbed
Chilli Capsicum annum Well-drained loamy 01:02:01 80-90 days Wilt, Leaf Curl Highly branched herb Sandy or loam soils Black Pepper Piper nigrum Red laterite 01:01:03 7-8 months Foot Rot, Wilt Slender spikes with blosoms Monocrop or mixed crop Lemon Citrus limon Well-drained loamy 08:02:10 3-5 years Citrus Canker Ova fruit, lipicy pulp Organic manure application Garlic Allium sativum Well-drained loamy 08:03:20 5 des months Root Rot, Pink Root Bulbs with closes Seeds or bulbs Cotton Gossypium Alluval, clayey 120:06:06 9 0-10 days Wilt, Blight Sub-shrub with rigid stems Rows planting Maize Zea mays Fertile, well-drained 153:62.55:0 9 0-110 days Leaf Blight, Rust Tall, determinate plant Sown in rows Cashew Anacardium occidentale Red sandy loam 01:01:01 5-10 kg/ree Leaf Blight, Rust Tall, pernaid Propagated by cuttings Grapes Vill swinfera Leos loamy 01:01:01 5-10 stomaths Leaf Spot, Rot Leaf Spot, Rot Leaf Spot, Rot Edibet paro							
Belack Pepper Piper nigrum Red laterite 01:01:03 7-8 months Foot Rot, Wilt Stender spikes with blossoms Monocrop or mixed crop Bellary Onion Allium cepa Sandy loam, clay loam 02:02:01 3-5 years Citrus Canker Oval fruit, judy pulp Organic manure application Garlic Allium sativum Well-drained loamy 08:03:02 6-8 months Root Rot, Pink Root Bulbs with cloves Beds with organic manure application Garlic Allium sativum Well-drained loamy 08:03:02 6-8 months Root Rot, Pink Root Bulbs with cloves Beds with organic manure application Wilt, Blight Wilt, Blight Sub-shrub with rigid stems Rows planting Wilt, Blight, Rust Tall, determinate plant Sown in rows Sugarcane Saccharum officinarum Loam, alluvial 05:05:02 12:18 months Red Rot, Smut Tall perennial Pant Propagated by cuttings Propagated by cuttings Praya Acacardium occidentale Red sandy loam 01:01:01 3-5 months Leaf Spot, Rot Ediblet parpoot Raised beds, Ioamy Soil Groundnut Arachis hypogaea Sandy loam 01:01:01:01 6-9 months Mildew Woody vine, grape clusters Planting pits filled with FYM Papaya Carica papaya Fertile tropical 01:01:01 6-9 months Mildew, Rosaic Virus Palmately lobed leaves Pits with organic manure Roundnut Arachis hypogaea Sandy loam 01:02:03 90:120 days Leaf Spot, Rust Herbaceous plant Row planting in furrows Pineapple Ananas comosus Loamy, well-drained loamy 01:03:03 4-years Wilt, Ganker Small branched tree Raised beds with compost Arecanut Area catechu Red Laerite 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with croppost High-density planting Round Nomordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot, Wiltew Plant Wilt all stem Spacia planting in fright of the province of the planting in fright of the province of the planting in fright		• •	•	•		•	•
Bellary OnionAllium cepaSandy loam, clay loam02:02:0180-150 daysLeaf Blight, MildewButb at base, hollow leavesSeeds or butbsLemonCitrus GankerOval fruit, juic; pulpOrganic manure applicationGarticAllium sativumWell-drained loamy08:03:02 6-8 monthsRoort Rot, Pink RoortButbs with clovesBeds with organic manureCottonGossppiumAlluvial, clayey120:60:6090-150 daysWilt, BlightSub-shrub with rigid stemsRows plantingMaizeZea maysFertile, well-drained153:62:55:0090-110 daysLeaf Blight, RustTall, determinate plantSown in rowsSugarcaneSaccharum officinarumLoam, alluvial05:05:0012-18 monthsRed Rot, SmutTall perennialPropagated by cuttingsCashewAnacardium occidentaleRed sandy loam01:01:013-5 monthsLeaf Spot, RotEdible taprootRaised beds, loamy soilGrapesVitis viniferaWell-drained loamy01:01:012-er-roundMildewWoody vine, gapae clustersPlanting pits filled with FYMPapayaCarica papayaFertile tropical01:01:013-6 monthsMidew, Mosaic VirusPlantagel Jobed leavesPlas with organic manureGroundnutArachis hypogaeaSandy loam01:02:039-120 daysLeaf Spot, RustHerbaceous plantRow planting in furrowsPlineappleAnaas comosusLoamy, well-drained14:03:1015-18 monthsRot, FusariosisShort herbaceous perennialHigh-density	Chilli	Capsicum annum	Well-drained loamy	01:02:01 80-90 days	Wilt, Leaf Curl	Highly branched herb	Sandy or loam soils
LemonCitrus limonWell-drained loamy08:02:103-5 yearsCitrus CankerOval fruit, juicy pulpOrganic manure applicationGarlicAllium sativumWell-drained loamy08:03:026-8 monthsRoof Rof, Pink RootBulbs with clovesBeds with organic manureCottonGossypiumAlluvial, clayey120:06:0690-110 daysLeaf Blight, RustTall, determinate plantSown in rowsMaizeZea maysFertile, well-drained153:62:5:5090-110 daysLeaf Blight, RustTall, perennialPropagated by cuttingsSugarcaneSaccharum officinarumLoam, alluvial05:05:0212-18 monthsHed Rot, SmutTall perennialPropagated by cuttingsCarrotDaucus carotaLoose loamy01:01:013-5 monthsHed Rot, SmutTall perennialPropagated by cuttingsGrapesVitis viniferaWell-drained loamy01:01:022-sar-roundMildewWoody vine, grape clustersPlanting pits filled with FYMPapayaCarica papayaFertile tropical01:01:016-9 monthsMildewWoody vine, grape clustersPlanting pits filled with FYMPilletPennisetum glaucumAlluvial, sandy70:35:3560-100 daysMildew, Mosaic VirusPalmately lobed leavesPits with organic manureGiavaPsidum guajavaAlluvial, sandy70:35:3560-100 daysMildew, RustTall stalks, dense seedsGrown in rowsGuavaPsidum guajavaWell-drained loamy01:01:013-4 weetsWilt, Canke	Black Pepper	Piper nigrum	Red laterite			Slender spikes with blossoms	Monocrop or mixed crop
Garlic Allium sativum Well-drained loamy 08:03:02 6-8 months Root Rot, Pink Root Bulbs with cloves Beds with organic manure Cotton Gosypium Alluvial, clayey 120:06:06 90-150 days Wilt, Bight Sub-shrub with rigid stems Rows planting Rows planting Sugarcane Saccharum officinarum Loam, alluvial 05:05:05:00 12-18 months Red Rot, Smut Tall, determinated plant Propagated by cuttings Cashew Anacardium occidentale Red sandy loam 01:01:01 5-10 kg/tree Dieback Leathery leaves, curved fruit Pits with organic manure Carrot Daucus carota Loose loamy 01:01:01 3-5 months Red Rot, Smut Tall perennial Propagated by cuttings Carpot Daucus carota Loose loamy 01:01:01 3-5 months Red Rot, Smut Tall perennial Propagated by cuttings Carpot Daucus carota Loose loamy 01:00:101 3-5 months Red Rot, Smut Tall perennial Propagated by cuttings Carpot Daucus carota Loose loamy 01:00:101 3-5 months Red Rot, Smut Tall perennial Propagated by cuttings Carpot Daucus carota Loose loamy 01:00:101 3-5 months Rot	Bellary Onion	Allium cepa	Sandy loam, clay loam	02:02:01 80-150 days	Leaf Blight, Mildew	Bulb at base, hollow leaves	Seeds or bulbs
Cotton Gossypium Alluvial, clayey 120:60:60 90-150 days Wilt, Blight Sub-shrub with rigid stems Rows planting Maize Zea mays Fertile, well-drained 153:62.5:50 90-110 days Leaf Blight, Rust Tall, determinate plant Sown in rows Sugarcane Saccharum officinarum Loam, alluvial 05:05:02 12-18 months Red Rot, Smut Tall perennial Propagated by cuttings Propagated by Cuttings Cashew Anacardium occidentale Red sandy loam 01:01:01 5-10 kg/tree Dieback Leathery leaves, curved fruit Pits with organic manure Carrot Daucus carota Loose loamy 01:01:01 3-5 months Leaf Spot, Rot Edible taproot Raised beds, loamy soil Grapes Vitis vinifera Well-drained loamy 01:01:02 Year-round Mildew Woody vine, grape clusters Planting pits filled with FYM Papaya Carica papaya Fertile tropical 01:00:101 6-9 months Mildew, Mosaic Virus Palmately lobed leaves Pits with organic manure Groundnut Arachis hypogaea Sandy loam 01:02:03 90-120 days Leaf Spot, Rust Herbaceous plant Romanure Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Rot, Fusariosis Short herbaceous perennial High-density planting Guava Paidum Manilkara zapota Sandy loam, alluvial 02:01:01 4-5 months Leaf Spot, Sooty Mold Round or oval fruit High-density planting Area catechu Red Learite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Cocoa Theobroma cacao Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:02:01 2-3 months Leaf Spot, Blight Broad leaves, Climbing vines Roy planting vine rigiding vine protray seedling transplant Potray seedling transplant Potray seedling transplant Round or oval fruit Rised beds with trollises Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 wars Spots, Rot Woody perennial Rhigh-cer culm planting	Lemon	Citrus limon	Well-drained loamy	08:02:10 3-5 years	Citrus Canker	Oval fruit, juicy pulp	Organic manure application
Maize Zea mays Fertile, well-drained 153:62.5:50 90-110 days Leaf Blight, Rust Tall, determinate plant Sown in rows Sugarcane Saccharum officinarum Loam, alluvial 05:05:02 12-18 months Cashew Anacardium occidentale Red sandy loam 01:01:01 5-10 kg/tree Dieback Leathery leaves, curved fruit Pits with organic manure Carrot Daucus carota Loose loamy 01:01:02 Year-round Mildew Woody vine, grape clusters Planting pits filled with FYM Papaya Carica papaya Fertile tropical 01:01:01 3-6-9 months Mildew, Mosaic Virus Palmately lobed leaves Planting pits filled with FYM Millet Pennisetum glaucum Alluvial, sandy 07:035:35 60-100 days Mildew, Rust Tall stalks, dense seeds Grown in rows Pineapple Ananas comosus Loamy, well-drained loamy 01:01:01 13-18 months Mildew, Rust Tall stalks, dense seeds Grown in rows Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Leaf Spot, Rott Perbaceous plant Row planting in furrows Mildew Rust Tall stalks, dense seeds Grown in rows Papaya Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Leaf Spot, Rott Perbaceous perennial High-density planting Sapota Manilkara zapota Sandy loam alluvial 02:01:01 3-4-9 months Leaf Spot, Sooty Mold Round or oval fruit High-density planting Arecanut Areca catechu Red laterite 01:01:01 3-4-9 were Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 3-5-4 weeks Black Pod, Witches' Broom Blatck Pod, Witches' Broom Monordica charantia Sandy loam soil 01:00:01 3-6 months Mildew, Leaf Spot Cylimdrica or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. butysil Loamy soil Loamy, well-drained 01:01:01 3-6 years Spot, Rot Woody perennial Rhigh-density planting Protray seeding transplant Roughly Protray seeding tran			•				
Sugarcane Saccharum officinarum Loam, alluvial 05:05:02 12-18 months Red Rot, Smut Tall perennial Propagated by cuttings Cashew Anacardium occidentale Red sandy loam 01:01:01 5-10 kg/tree Dieback Leathery leaves, curved fruit Pits with organic manure Carrot Daucus carota Loose loamy 01:01:01 3-5 months Leaf Spot, Rot Edible taproot Raised beack, loamy soil Grapes Vitis vinifera Well-drained loamy 01:01:02 Year-round Mildew Woody vine, grape clusters Planting pits filled with FYM Papaya Carica papaya Fertile tropical 01:01:01 6-9 months Mildew, Mosaic Virus Palmately lobed leaves Pits with organic manure Groundnut Arachis hypogaea Sandy loam 01:02:03 90-120 days Leaf Spot, Rust Herbaceous plant Row planting in furrows Millet Pennisetum glaucum Alluvial, sandy 70:35:35 60-100 days Mildew, Rust Tall stalks, dense seeds Grown in rows Pineapple Ananas comosus Loamy, well-drained 10:01:01 4-5 months Leaf Spot, Sooty Mold Round or oval fruit High-density planting Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 3-5 47 weeks Black Pod, Witches' Broom Beans Phaseolus spp. Loamy, soil 01:01:01 2-3 months Leaf Spot, Bliter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Gaulflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting	Cotton	Gossypium	Alluvial, clayey	120:60:60 90-150 days	Wilt, Blight	Sub-shrub with rigid stems	Rows planting
Cashew Anacardium occidentale Red sandy loam 01:01:01 5-10 kg/tree Dieback Leathery leaves, curved fruit Pits with organic manure Carrot Daucus carota Loose loamy 01:01:01 3-5 months Leaf Spot, Rot Edible taproot Raised beds, loamy soil Mildew Woody vine, grape clusters Planting pits filled with FYM Mildew Moody vine, grape clusters Planting pits filled with FYM Mildew, Mosaic Virus Palmately lobed leaves Pits with organic manure Groundnut Arachis hypogaea Sandy loam 01:02:03 90-120 days Leaf Spot, Rust Herbaceous plant Row planting in trurows Mildew Rust Tall stalks, dense seeds Grown in rows Pineapple Annas comosus Loamy, well-drained 14:03:10 15-18 months Rot, Fusariosis Short herbaceous perennial High-density planting Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Beans Phaseolus spp. Loamy soil 01:01:01 01:02:02 5-6 months Mildew, Leaf Spot, Blight Broad leaves, climbing vints Planting tring title from the liter Courl planting tring	Maize	Zea mays	Fertile, well-drained	153:62.5:50 90-110 days	Leaf Blight, Rust	Tall, determinate plant	Sown in rows
Carrot Daucus carota Loose loamy 01:01:01 3-5 months Leaf Spot, Rot Edible taproot Raised beds, loamy soil Grapes Vitis vinifera Well-drained loamy 01:01:02 Year-round Mildew Woody vine, grape clusters Planting pits filled with FYM Papaya Carica papaya Fertile tropical 01:01:01 6-9 months Mildew, Mosaic Virus Palmately lobed leaves Pits with organic manure Groundnut Arachis hypogaea Sandy loam 01:02:03 90-120 days Leaf Spot, Rust Herbaceous plant Row planting in furrows Millet Pennisetum glaucum Alluvial, sandy 70:35:35 60-100 days Mildew, Rust Tall stalks, dense seeds Grown in rows Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Rot, Fusariosis Short herbaceous perennial High-density planting Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Cocoa Theobroma caco Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Beands Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Rowlife Guilfower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Cylindrical or spindle fruit Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting	Sugarcane	Saccharum officinarum	Loam, alluvial	05:05:02 12-18 months	Red Rot, Smut	Tall perennial	Propagated by cuttings
Grapes Vitis vinifera Well-drained loamy 01:01:02 Year-round Mildew Woody vine, grape clusters Planting pits filled with FYM Papaya Carica papaya Fertile tropical 01:01:01 6-9 months Mildew, Mosaic Virus Palmately lobed leaves Pits with organic manure Groundnut Arachis hypogaea Sandy loam 01:02:03 90-120 days Leaf Spot, Rust Herbaceous plant Row planting in furrows Millet Pennisetum glaucum Alluvial, sandy 70:35:35 60-100 days Mildew, Rust Tall stalks, dense seeds Grown in rows Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Rot, Fusariosis Short herbaceous perennial High-density planting Sapota Manilkara zapota Sandy loam, alluvial 02:01:01 4-5 months Leaf Spot, Sooty Mold Round or oval fruit High-density planting Guava Psidium guajava Well-drained loamy 01:01:01 3-44 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Cocoa Theobroma cacao Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Bitter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting	Cashew	Anacardium occidentale	Red sandy loam	_	Dieback	Leathery leaves, curved fruit	Pits with organic manure
Papaya Carica papaya Fertile tropical 01:01:01 6-9 months Mildew, Mosaic Virus Palmately lobed leaves Pits with organic manure Groundnut Arachis hypogaea Sandy loam 01:02:03 90-120 days Leaf Spot, Rust Herbaceous plant Row planting in furrows Millet Pennisetum glaucum Alluvial, sandy 70:35:35 60-100 days Mildew, Rust Tall stalks, dense seeds Grown in rows Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Sapota Manilkara zapota Sandy loam, alluvial 02:01:01 4-5 months Leaf Spot, Sooty Mold Round or oval fruit High-density planting Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Cocoa Theobroma cacao Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy, well-drained 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting	Carrot	Daucus carota	Loose loamy	01:01:01 3-5 months	Leaf Spot, Rot	Edible taproot	Raised beds, loamy soil
Groundnut Arachis hypogaea Sandy loam 01:02:03 90-120 days Leaf Spot, Rust Herbaceous plant Row planting in furrows Millet Pennisetum glaucum Alluvial, sandy 70:35:35 60-100 days Mildew, Rust Tall stalks, dense seeds Grown in rows Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Sapota Manilkara zapota Sandy loam, alluvial 02:01:01 4-5 months Leaf Spot, Sooty Mold Round or oval fruit High-density planting Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Cocoa Theobroma cacao Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Bitter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting	Grapes	Vitis vinifera	Well-drained loamy	01:01:02 Year-round	Mildew	Woody vine, grape clusters	Planting pits filled with FYM
Millet Pennisetum glaucum Alluvial, sandy 70:35:35 60-100 days Mildew, Rust Tall stalks, dense seeds Grown in rows Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Sapota Manilkara zapota Sandy loam, alluvial 02:01:01 4-5 months Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Cocoa Theobroma cacao Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Bitter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting		Carica papaya	•			•	-
Pineapple Ananas comosus Loamy, well-drained 14:03:10 15-18 months Sapota Manilkara zapota Sandy loam, alluvial 02:01:01 4-5 months Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Woody perennial Intercropping with shade trees Bans Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Bitter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting		Arachis hypogaea	Sandy loam	01:02:03 90-120 days	•	Herbaceous plant	Row planting in furrows
Sapota Manilkara zapota Sandy loam, alluvial 02:01:01 4-5 months Leaf Spot, Sooty Mold Round or oval fruit High-density planting Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Cocoa Theobroma cacao Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Bitter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting	Millet	Pennisetum glaucum	Alluvial, sandy	70:35:35 60-100 days	Mildew, Rust	Tall stalks, dense seeds	Grown in rows
Guava Psidium guajava Well-drained loamy 01:01:01 3-4 years Wilt, Canker Small branched tree Raised beds with compost Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Bitter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting	• • • • • • • • • • • • • • • • • • • •	Ananas comosus	• •		•		High-density planting
Arecanut Areca catechu Red laterite 01:01:01 35-47 weeks Bud Rot, Fruit Rot Palm with tall stem Spacing-based planting Cocoa Theobroma cacao Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Bitter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting	Sapota	Manilkara zapota	•	02:01:01 4-5 months	• • •	Round or oval fruit	High-density planting
Cocoa Theobroma cacao Clay loam, sandy loam 28:01:06 5 years Black Pod, Witches' Broom Woody perennial Intercropping with shade trees Beans Phaseolus spp. Loamy soil 01:01:01 2-3 months Leaf Spot, Blight Broad leaves, climbing vines Row planting with trellises Bitter Gourd Momordica charantia Sandy loam 01:02:02 5-6 months Mildew, Leaf Spot Cylindrical or spindle fruit Raised beds with drip irrigation Cauliflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting		0 ,	•	•	*		•
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Cauliflower Brassica oleracea var. botrytis Loamy soil 01:01:01 3-4 months Mildew, Leaf Spot Firm, succulent curd Protray seedling transplant Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting		• •	•				, ,
Bamboo Bambusoideae Loamy, well-drained 01:01:01 5-6 years Spots, Rot Woody perennial Rhizome or culm planting			•		•	•	, •
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Potato Solanum tuberosum Sandy, well-drained 01:01:01 75-120 days Blight, Rot Tubers of diverse shapes Rows with organic manure			•	· · · · · · · · · · · · · · · · · · ·	•	• •	· •
	Potato	Solanum tuberosum	Sandy, well-drained	01:01:01 75-120 days	Blight, Rot	Tubers of diverse shapes	Rows with organic manure