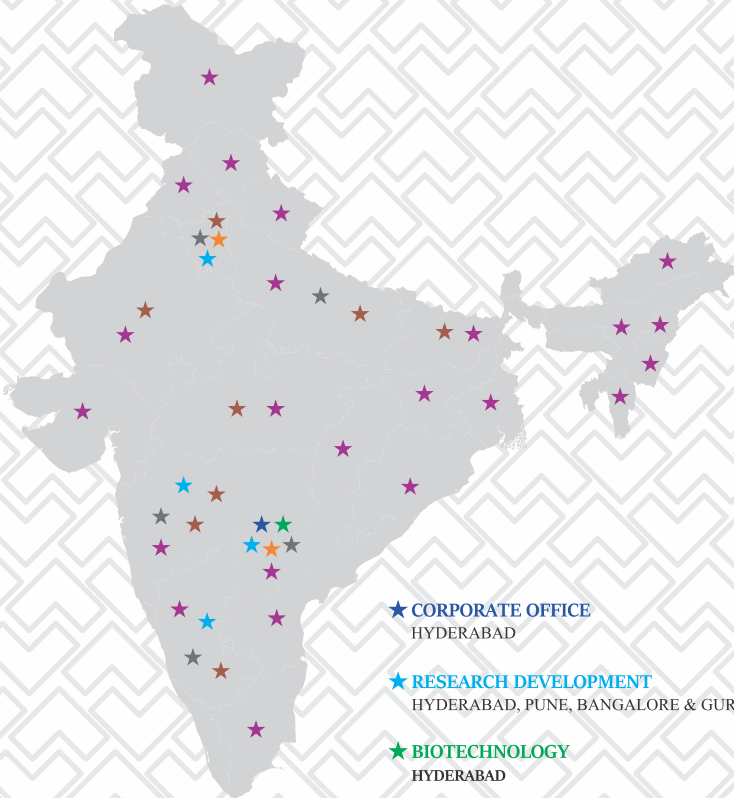




**VEGETABLE
CATALOGUE**



Our Presence



★ **CORPORATE OFFICE**
HYDERABAD

★ **RESEARCH DEVELOPMENT**
HYDERABAD, PUNE, BANGALORE & GURUGRAM

★ **BIOTECHNOLOGY**
HYDERABAD

★ **TECHNOLOGY DEVELOPMENT**
HYDERABAD, LUCKNOW, HISSAR, AURANGABAD,
HAVERI & WARANGAL

★ **PROCESSING UNIT**
HYDERABAD & DELHI NCR

★ **C&F**
HISSAR, JAIPUR, INDORE, LUCKNOW, PATNA,
AKOLA, AURANGABAD & HUBLI

★ **SALES AND MARKETING**
PAN INDIA

Tierra Agrotech Limited

Tierra - Redefining Indian Agriculture

A decade ago, inspired by common vision to transform farmers' lives, "Tierra" made a humble beginning as a Next Generation Agriculture company. The foremost objective was set to develop superior quality seeds stacked with traits, driven by modern technologies, that provides significant benefits and value to farmers, stake holders and further contribute to corporate growth.

Headquartered in Hyderabad, the seed capital of India, Tierra got passionately engaged in research, development, production, processing, and commercialization of value enhanced - differentiated products in major crops like Cotton, Rice, Corn, Mustard, Tomato and Okra. During 2017-18, Tierra has gained global attention for achieving a series of historic milestones like - acquisition of DuPont - Pioneers' Cotton company 'Xylem' in 2017 and Monsanto's India cotton seed business in 2018. Established a subsidiary company in the field of Biologicals. Signed a MOU for 320 - cotton genome sequencing project with CSIR-NBRI, Govt. of India. Tierra currently stands among one of the top cotton germplasm enriched companies in the country. Tierra has established, one of the best in class, private seed sector R&D unit in the country, based in Hyderabad with 10,000+ sq. ft. laboratory space which includes several green houses, more than 90 acres of breeding farms supported with drip irrigation and other essential facilities. Besides Hyderabad, Tierra has also established three more R&D centres, one in Bangalore and the others in Pune and Gurgaon. It has also about 30 crop specific product trial hot spot centres across the country.

Tierra got Recognised by DSIR, Govt. of India since 2014.

Tierra has expanded its Cotton portfolio in the market with many Govt. (GEAC) registered BGII products, many of them suitable for high density planting and mechanization having synchronous maturity. Tierra could develop highly strong portfolio in all its crops. For example: high NCLB resistance & deep orange grains in corn; high grain number & lodging tolerant rice; quality oil & yields in mustard; GBNV (TOSPO) resistance in combination with ToLCV, and high flavor indeterminate product line in tomato. In Okra high yielding hybrids with resistance to YVMV & OLCV and many more.

Tierra has strong research collaborations with premier private and public institutions like KeyGene, The Netherlands on productivity traits in rice, established a strong data management tool in collaboration with Phenome Network, Israel. Tierra is collaborating with KWS, Germany to develop and establish "beets for feeding" for Indian feed market. Tierra developed the first mechanically harvestable HDPS Cotton hybrid with support from John Deere, currently being evaluated under common industry platform for further commercialization. Tierra is working with Salicrop, Israel for developing saline resistant crops. Tierra also collaborates with Delhi University through BIRAC, GOI, on using their molecular markers for white rust resistance in mustard.

Tierra protects its products and technologies under suitable Intellectual Property (Patent), Plant Variety Protection (PPV-FR) laws, Trademark registrations etc. besides following strict compliance with all regulatory guidelines including Freedom to Operate (FTOs).

With a plan to expand the business, Tierra ventured into vegetable seeds market from the year 2020-21, thereby spreading its portfolio beyond field crops (cotton, paddy, corn, mustard, maize) to vegetable seeds. The vegetable seed portfolio currently offers more than 50 different vegetables. Our strength of research and innovation is poised to address farmers current and upcoming needs.

Amaya

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-35
Plant Character	Determinate, green foliage, very early flower & fruit setting.
Fruit character	Cluster bearing, 3-5 fruit / cluster, uniform green, excellent red colour, very good firmness, medium sour taste.
Harvest begins days after planting	
In Winter	50-58
In Summer	50-58
In Kharif	50-58
Disease Resistance / Insect Tolerance	High
Fruit Shape	Flat round - Round
Average Weight Max (g)	95
Average Weight Min (g)	80
Average Yield / Acre (MT)	12-15
Uniqueness	Extra early, uniform fruit size over pickings

Anuka[®]

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jan-Mar/Aug-Oct
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-35
Plant Character	Determinate, Dark green foliage
Fruit character	Cluster formation, 3-5fruit/cluster, attractive red colour, good firm.
Harvest begins days after planting	
In Winter	60-65
In Summer	60-65
In Kharif	N/A
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Round
Average Weight Max (g)	110
Average Weight Min (g)	100
Average Yield / Acre (MT)	25-30
Uniqueness	Stay green & Heat tolerance

Aviraj

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh & Processing
Production Cycle	Jun-Oct
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-35
Plant Character	Determinate, darkgreen foliage, close bearing
Fruit character	Cluster form, 3-5 fruit/cluster, highly firm, attractive red colour
Harvest begins days after planting	
In Winter	60-65
In Summer	N/A
In Kharif	60-65
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Square Round
Average Weight Max (g)	100
Average Weight Min (g)	95
Average Yield / Acre (MT)	22-26
Uniqueness	Stay green, fits for long distance transportation

Mahaveer Tomato



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jul-Oct
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Determinate, dark green foliage.
Fruit character	Cluster bearing, 3-5 fruit / cluster, attractive red colour, medium to high firmness, sour taste.
Harvest begins days after planting	
In Winter	58-63
In Summer	N/A
In Kharif	58-63
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Flat round (GS)
Average Weight Max (g)	110
Average Weight Min (g)	90
Average Yield / Acre (MT)	15-18
Uniqueness	Firmness and long distance transportation.

Mudit[®]

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Nov
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Determinate to slightly long, thick green leaf, good re-flesh habit.
Fruit character	Cluster formation, 2-4 fruit / cluster, uniform green at immature stage, goldish red at turing stage, attractive red at complete ripen stage, very good firmness.
Harvest begins days after planting	
In Winter	60-68
In Summer	N/A
In Kharif	60-68
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Unique round
Average Weight Max (g)	115
Average Weight Min (g)	100
Average Yield / Acre (MT)	16-18
Uniqueness	Uniform fruit size over the pickings, high yield

Odilia

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Feb
Ecology	Open & Protected
Spacing Recommendation	
Row to Row (cm)	90-120
Plant to Plant (cm)	30-40
Plant Character	Indeterminate
Fruit character	Cluster form, 4-5 fruit/cluster, Good firm, Plum type, red colour
Harvest begins days after planting	
In Winter	65-70
In Summer	60-65
In Kharif	65-70
Disease Resistance / Insect Tolerance	High
Fruit Shape	Plum/Round
Average Weight Max (g)	110
Average Weight Min (g)	95
Average Yield / Acre (MT)	25-30
Uniqueness	Very good flavour, High firm

Pahal

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Determinate, dark green foliage, excellent flower retention and very early fruit setting.
Fruit character	Cluster formation, 3-5 fruit / cluster, uniform green shoulder, glossy red colour, very high firmness, sour taste.
Harvest begins days after planting	
In Winter	55-60
In Summer	55-60
In Kharif	55-60
Disease Resistance / Insect Tolerance	High
Fruit Shape	Flat round
Average Weight Max (g)	115
Average Weight Min (g)	95
Average Yield / Acre (MT)	17-20
Uniqueness	Wider sowing window, high yield, heat set

Taapsi[®]

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh & Processing
Production Cycle	Sep-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Semi determinate, greenish, good re-flesh.
Fruit character	Cluster formation, 2-4 fruit / cluster, uniform green, attractive orange red colour, glossy, firmness is very high.
Harvest begins days after planting	
In Winter	60-65
In Summer	60-65
In Kharif	N/A
Disease Resistance / Insect Tolerance	High
Fruit Shape	Oval / Square round
Average Weight Max (g)	95
Average Weight Min (g)	80
Average Yield / Acre (MT)	17-20
Uniqueness	High heat set and firmness

Timea

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh, Table & Processing
Production Cycle	Sep-Feb
Ecology	Open & Protected
Spacing Recommendation	
Row to Row (cm)	90-120
Plant to Plant (cm)	30-40
Plant Character	Indeterminate
Fruit character	Cluster form, 6-8 fruit/cluster, Attractive deep red colour, Very high firm, Cocktail (25-40g)
Harvest begins days after planting	
In Winter	60-65
In Summer	60-65
In Kharif	60-65
Disease Resistance / Insect Tolerance	High
Fruit Shape	Oval cocktail
Average Weight Max (g)	45
Average Weight Min (g)	25
Average Yield / Acre (MT)	24-28
Uniqueness	High Stay green, fits for long distance transportation, Good taste and flavour

Uzma

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh, Table & Processing
Production Cycle	Sep-Feb
Ecology	Open & Protected
Spacing Recommendation	
Row to Row (cm)	90-120
Plant to Plant (cm)	30-40
Plant Character	Indeterminate
Fruit character	Cluster form, 6-8 fruit/cluster, Attractive deep red colour, Very high firm, Cocktail (25-40g)
Harvest begins days after planting	
In Winter	60-65
In Summer	55-60
In Kharif	60-65
Disease Resistance / Insect Tolerance	Moderate to high
Fruit Shape	Oval cocktail
Average Weight Max (g)	45
Average Weight Min (g)	25
Average Yield / Acre (MT)	25-30
Uniqueness	Excellent heat tolerance, Early maturity, Good taste and flavour

Vanya[®]

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh & Processing
Production Cycle	May-Oct
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Determinate, dark green,
Fruit character	Cluster form, 3-5 fruit/cluster, highly firm, attractive red colour
Harvest begins days after planting	
In Winter	57-65
In Summer	N/A
In Kharif	57-65
Disease Resistance / Insect Tolerance	High
Fruit Shape	Square Round
Average Weight Max (g)	90
Average Weight Min (g)	80
Average Yield / Acre (MT)	24-28
Uniqueness	Early maturity, Excellent Firmness

Yuvaan

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh & Processing
Production Cycle	Sep-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Semi determinate, dark green-green
Fruit character	Cluster form, 3-5 fruit/cluster, attractive orange red, very high firm fruit
Harvest begins days after planting	
In Winter	55-60
In Summer	55-60
In Kharif	N/A
Disease Resistance / Insect Tolerance	High
Fruit Shape	Oval / Square round
Average Weight Max (g)	95
Average Weight Min (g)	85
Average Yield / Acre (MT)	28-32
Uniqueness	Excellent heat tolerance

Zara

Tomato



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Sep-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Determinate, dark green foliage, early flower and fruit setting, healthy plant.
Fruit character	Cluster formation, 3-5 fruit / cluster, uniform green shoulder, glossy red colour, very high firmness, sour taste.
Harvest begins days after planting	
In Winter	55-60
In Summer	55-60
In Kharif	N/A
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Flat round
Average Weight Max (g)	105
Average Weight Min (g)	90
Average Yield / Acre (MT)	14-16
Uniqueness	High Heat set

Kumari® Okra



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Nov
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Medium tall, dark green foliage, cut leaf, short inter nodal plant.
Fruit character	Attractive dark green to green
Harvest begins days after planting	
In Winter	43-48
In Summer	N/A
In Kharif	43-48
Disease Resistance / Insect Tolerance	High
Fruit Shape	Med -long, 5 ridge
Average Fruit Size (L&W) in cm.	12.0-15.0*1.3-1.5
Average Weight Max (g)	11
Average Weight Min (g)	9
Average Yield / Acre (MT)	8-10
Uniqueness	High yield

Preyasi® Okra



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Medium tall, cut leaf, short inter node, continue flower and fruit bearing plant.
Fruit character	Excellent dark green, shiny, tender fruit, very good seed fill,
Harvest begins days after planting	
In Winter	42-45
In Summer	42-45
In Kharif	42-45
Disease Resistance / Insect Tolerance	High
Fruit Shape	Med -long, 5 ridge
Average Fruit Size (L&W) in cm.	11.0-13.0*1.4-1.5
Average Weight Max (g)	14
Average Weight Min (g)	12
Average Yield / Acre (MT)	11-12
Uniqueness	Average fruit weight 2-3 g more than other variety.

Ranju

Okra



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Oct
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Dark green foliage, healthy, semi cut leaf.
Fruit character	Uniform attractive green fruit, tenderness is good
Harvest begins days after planting	
In Winter	44-48
In Summer	N/A
In Kharif	44-48
Disease Resistance / Insect Tolerance	Moderate
Fruit Shape	Long, 5 ridge
Average Fruit Size (L&W) in cm.	11.0-15.0*1.2-1.5
Average Weight Max (g)	13
Average Weight Min (g)	11
Average Yield / Acre (MT)	09-11
Uniqueness	Best performance in kharif & rabi season

Super Kranti Okra



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May end-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Medium tall, cut leaf, short inter nodal plant
Fruit character	Dark green, shiny, tender fruit, very good test weight.
Harvest begins days after planting	
In Winter	40-45
In Summer	40-45
In Kharif	40-45
Disease Resistance / Insect Tolerance	High
Fruit Shape	Med -long, 5 ridge
Average Fruit Size (L&W) in cm.	10.0-13.0*1.3-1.5
Average Weight Max (g)	13
Average Weight Min (g)	11
Average Yield / Acre (MT)	11.5-12.5
Uniqueness	Excellent test weight of the fruit, Very good shelf life

Tarla

Okra



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Nov
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	15-20
Plant Character	Dark green, dwarf, very short inter nodal, close bearing plant.
Fruit character	Green-Dark Green, very good test weight.
Harvest begins days after planting	
In Winter	43-46
In Summer	43-46
In Kharif	43-46
Disease Resistance / Insect Tolerance	High
Fruit Shape	Uniform Med -long, 5 ridge
Average Fruit Size (L&W) in cm.	10.0-13.0*1.2-1.4
Average Weight Max (g)	12.5
Average Weight Min (g)	11.5
Average Yield / Acre (MT)	12-14
Uniqueness	Wider adaptability, high yield

Bullet Raja

Hot Pepper



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-45
Plant Character	Sturdy, semi erect, early maturity
Fruit character	Glossy green, very high pungent, firm fruit.
Harvest begins days after planting	
In Winter	10-15 early to local (OP) variety
In Summer	10-15 early to local (OP) variety
In Kharif	10-15 early to local (OP) variety
Disease Resistance / Insect Tolerance	High
Fruit Shape	Bullet or short conical
Average Fruit Size (L&W) in cm.	5.0-6.0*1.4-1.6
Average Weight Max (g)	7
Average Weight Min (g)	5
Average Yield / Acre (MT)	36-40
Uniqueness	High pungency, excellent for storage & long distance transportation.

Chaitali

Hot Pepper



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-45
Plant Character	Semi erect-bushy, short inter nodes, excellent stay green, close bearing.
Fruit character	Uniform green, medium pungent.
Harvest begins days after planting	
In Winter	65-75
In Summer	65-75
In Kharif	65-75
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Slightly wrinkled
Average Fruit Size (L&W) in cm.	14.0-16.0*1.1-1.2
Average Weight Max (g)	7
Average Weight Min (g)	5
Average Yield / Acre (MT)	55-58
Uniqueness	High yield, suitable for long distance transportation

Elaxi

Hot Pepper



Characters

Variety Type	Hybrid
Usage	Red Dry
Production Cycle	May-Aug
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-45
Plant Character	Semi erect, bushy, dark green foliage, close bearing.
Fruit character	Dark green, dark red, low pungent-high colour fruit.
Harvest begins days after planting	
In Winter	N/A
In Summer	N/A
In Kharif	110-115
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Smooth Long
Average Fruit Size (L&W) in cm.	14.0-17.0*1.1-1.5
Average Weight Max (g)	9
Average Weight Min (g)	6
Average Yield / Acre (MT)	2.5-3.5
Uniqueness	Export quality red dry smooth pods.

Eliza

Hot Pepper



Characters

Variety Type	Hybrid
Usage	Red Dry
Production Cycle	May-Aug
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-45
Plant Character	Semi erect, dark green foliage.
Fruit character	Dark green, dark red, low pungent-high colour fruit.
Harvest begins days after planting	
In Winter	N/A
In Summer	N/A
In Kharif	115-125
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Smooth Med. Long
Average Fruit Size (L&W) in cm.	13.0-16.0*1.3-1.6
Average Weight Max (g)	11
Average Weight Min (g)	8
Average Yield / Acre (MT)	2.6-3.3
Uniqueness	Export quality red dry thick red smooth pods.

Ettra

Hot Pepper



Characters

Variety Type	Hybrid
Usage	Fresh/ Red Dry
Production Cycle	May-Aug
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Semi erect, dark green foliage, dense bearing.
Fruit character	Dark green, orange red, high pungent fruit.
Harvest begins days after planting	
In Winter	N/A
In Summer	N/A
In Kharif	85-105
Disease Resistance / Insect Tolerance	High
Fruit Shape	Short Thin
Average Fruit Size (L&W) in cm.	9.0-11.0*0.9-1.1
Average Weight Max (g)	6.5
Average Weight Min (g)	4.5
Average Yield / Acre (MT)	2.8-3.5
Uniqueness	Very high yield, bright orange red dry pods, good in colour retention.

Hami (TS 11) Hot Pepper



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-45
Plant Character	Strong, semi erect, very good bearing, healthy.
Fruit character	Very Compact, high pungent, easy to picking.
Harvest begins days after planting	
In Winter	60-72
In Summer	60-72
In Kharif	60-72
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Short thin
Average Fruit Size (L&W) in cm.	8.0-9.0*1.1-1.2
Average Weight Max (g)	5
Average Weight Min (g)	3.5
Average Yield / Acre (MT)	40-45
Uniqueness	High yield, wide adaptability

Hana (TS 14) Hot Pepper



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-45
Plant Character	Strong, semi erect, healthy.
Fruit character	Glossy dark green, compact, high pungent, easy to picking.
Harvest begins days after planting	
In Winter	60-70
In Summer	60-70
In Kharif	60-70
Disease Resistance / Insect Tolerance	High
Fruit Shape	Short thin
Average Fruit Size (L&W) in cm.	8.0-9.0*1.1-1.2
Average Weight Max (g)	6
Average Weight Min (g)	5
Average Yield / Acre (MT)	45-55
Uniqueness	High yield, excellent shelf life.

HOT 8436

Hot Pepper



Characters

Variety Type	Hybrid
Usage	Fresh/ Red Dry
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Sturdy, semi erect, slightly long inter nodes, dark green foliage.
Fruit character	Dark green, bright red, high pungent fruit.
Harvest begins days after planting	
In Winter	60-70
In Summer	60-70
In Kharif	60-70/105-115
Disease Resistance / Insect Tolerance	High
Fruit Shape	Med. Short -thin smooth
Average Fruit Size (L&W) in cm.	8.0-10.0*1.0-1.1
Average Weight Max (g)	6.5
Average Weight Min (g)	4.5
Average Yield / Acre (MT)	2.8-3.2
Uniqueness	Compact green/ bright red pod, excellent shelf life and long distance transportation.

Sathi

Hot Pepper



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Semi erect, dark green foliage
Fruit character	Dark green, High pungent fruit.
Harvest begins days after planting	
In Winter	60-70
In Summer	60-70
In Kharif	60-70/90-105
Disease Resistance / Insect Tolerance	High
Fruit Shape	Med. Short, smooth
Average Fruit Size (L&W) in cm.	7.0-8.0*1.1-1.2
Average Weight Max (g)	6
Average Weight Min (g)	5
Average Yield / Acre (MT)	40-45
Uniqueness	High yield, wider adaptability.

Sonika

Hot Pepper



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	30-40
Plant Character	Erect, light green-small leaves, excellent fruit setting
Fruit character	Light green, med. to high pungency, excellent test weight.
Harvest begins days after planting	
In Winter	60-70
In Summer	60-70
In Kharif	60-70
Disease Resistance / Insect Tolerance	High
Fruit Shape	Semi wrinkled
Average Fruit Size (L&W) in cm.	14.0-17.0*1.0-1.1
Average Weight Max (g)	6
Average Weight Min (g)	5
Average Yield / Acre (MT)	36-40
Uniqueness	Heat Tolerance, very good yield.

Aadhira[®]

Cauliflower



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May/Jun-Oct
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	30-45
Plant Character	Tropical, medium plant vigour, semi erect, wider adaptable plant
Curd character	Compact white curd
Harvest begins days after planting	
In Winter	60-65
In Summer	N/A
In Kharif	60-65
Disease Resistance / Insect Tolerance	Moderate to High
Curd Shape	Dome
Average Weight Max (g)	1400
Average Weight Min (g)	1100
Average Yield / Acre (MT)	18-22
Uniqueness	Excellent curd quality

Bunny Gold Cauliflower



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug end -Oct
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	30-45
Plant Character	Erect, sturdy, bluish green leaf, early temperate dry cool climate.
Curd character	Excellent milky white compact curd
Harvest begins days after planting	
In Winter	60-65
In Summer	N/A
In Kharif	N/A
Disease Resistance / Insect Tolerance	Moderate to High
Curd Shape	Compact Dome
Average Weight Max (g)	1300
Average Weight Min (g)	1100
Average Yield / Acre (MT)	20-24
Uniqueness	Attractive white compact curd

Charu Cauliflower



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Oct
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	30-45
Plant Character	Tropical, Semi erect, vigorous plant
Curd character	Attractive white compact curd
Harvest begins days after planting	
In Winter	60-65
In Summer	N/A
In Kharif	60-65
Disease Resistance / Insect Tolerance	Moderate to High
Curd Shape	Dome
Average Weight Max (g)	1000
Average Weight Min (g)	700
Average Yield / Acre (MT)	18-20
Uniqueness	Excellent curd quality

Celsa

Cauliflower



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Mar-Jun
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	60-75
Plant to Plant (cm)	30-45
Plant Character	Semi erect, medium plant frame, bluish green leaf
Curd character	Compact white curd
Harvest begins days after planting	
In Winter	N/A
In Summer	55-60
In Kharif	55-60
Disease Resistance / Insect Tolerance	Moderate to High
Curd Shape	Dome
Average Weight Max (g)	850
Average Weight Min (g)	550
Average Yield / Acre (MT)	15-18
Uniqueness	Wider adaptability, constant performer, suitable for high profit sowing window

Hanita[®] Cauliflower



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug/Sep-Nov
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	30-45
Plant Character	Sturdy, bluish green leaf, early temperate dry cool climate
Curd character	Excellent milky white, mid maturity
Harvest begins days after planting	
In Winter	65-75
In Summer	N/A
In Kharif	N/A
Disease Resistance / Insect Tolerance	High
Curd Shape	Compact Dome
Average Weight Max (g)	1450
Average Weight Min (g)	1150
Average Yield / Acre (MT)	22-26
Uniqueness	Attractive white curd, excellent for winter season cultivation

Elina

Beetroot



Characters

Variety Type	Research
Usage	Fresh & Processing Market
Production Cycle	May end - Feb Mid
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	35-45
Plant to Plant (cm)	10-15
Plant Character	Erect, healthy, attractive crown
Root character	Dark red flesh, bolting tolerance is good
Harvest begins days after planting	
In Winter	60-65
In Summer	60-65
In Kharif	60-65
Disease Resistance / Insect Tolerance	No claim
Root Shape	Full globe
Average Weight Max (g)	190
Average Weight Min (g)	140
Average Yield / Acre (MT)	16-20
Uniqueness	Processing & fresh market consumption

Lal Badshah Beetroot



Characters

Variety Type	Hybrid
Usage	Fresh & Processing Market
Production Cycle	Sep-Dec
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	35-45
Plant to Plant (cm)	10-15
Plant Character	Spreading strong, glossy green leaf, medium crown
Root character	Deep red flesh, crispy aromatic flavour
Harvest begins days after planting	
In Winter	65-75
In Summer	60-70
In Kharif	65-75
Disease Resistance / Insect Tolerance	Moderate to High
Root Shape	Globular closed tail end
Average Weight Max (g)	130
Average Weight Min (g)	110
Average Yield / Acre (MT)	22-25
Uniqueness	Uniform root size, excellent internal quality, and shelf life

Lina

Beetroot



Characters

Variety Type	Hybrid
Usage	Fresh & Processing Market
Production Cycle	Sep-Dec
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	35-45
Plant to Plant (cm)	10-15
Plant Character	Erect, Strong spreading, bright green glossy leaf, medium crown
Root character	Deep blood red flesh, very good aromatic crispy taste
Harvest begins days after planting	
In Winter	60-70
In Summer	60-70
In Kharif	60-70
Disease Resistance / Insect Tolerance	Moderate to High
Root Shape	Globular closed tail end
Average Weight Max (g)	125
Average Weight Min (g)	105
Average Yield / Acre (MT)	20-23
Uniqueness	Uniform root, excellent internal quality, and shelf life

Surklal[®]

Beetroot



Characters

Variety Type	Research
Usage	Fresh Market
Production Cycle	Sep-Nov
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	35-45
Plant to Plant (cm)	10-15
Plant Character	Bushy, broad leaves, vigorous crown
Root character	Attractive pinkish red
Harvest begins days after planting	
In Winter	55-60
In Summer	50-60
In Kharif	55-60
Disease Resistance / Insect Tolerance	No claim
Root Shape	Uniform round
Average Weight Max (g)	200
Average Weight Min (g)	180
Average Yield / Acre (MT)	14-17
Uniqueness	High yield

Veena

Beetroot



Characters

Variety Type	Research
Usage	Fresh Market
Production Cycle	Sep-Nov
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	35-45
Plant to Plant (cm)	10-15
Plant Character	Bushy, broad leaves, vigorous crown
Root character	Attractive pinkish red
Harvest begins days after planting	
In Winter	55-60
In Summer	50-60
In Kharif	55-60
Disease Resistance / Insect Tolerance	No claim
Root Shape	Uniform round
Average Weight Max (g)	190
Average Weight Min (g)	170
Average Yield / Acre (MT)	13-14
Uniqueness	High yield

Bijal[®]

Bitter Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Vigorous, spreading vines, early maturity, high female flower & fruit setting
Fruit character	Long, dark green to green, bitterness - medium
Harvest begins days after planting	
In Winter	52-55
In Summer	48-53
In Kharif	52-55
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Long spindle, spiny, tapering ends
Average Fruit Size (L&W) in cm.	22-26*3.5-4.5
Average Weight Max (g)	120
Average Weight Min (g)	100
Average Yield / Acre (MT)	12-14
Uniqueness	Wider adaptability

Hiral

Bitter Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Attractive dark green, long vine, medium inter nodes, wide adaptability
Fruit character	Medium - long, dark green, glossy, medium teeth construction, bitterness - strong
Harvest begins days after planting	
In Winter	50-55
In Summer	48-53
In Kharif	50-55
Disease Resistance / Insect Tolerance	High
Fruit Shape	spindle shape
Average Fruit Size (L&W) in cm.	25-28*4.5-5.0
Average Weight Max (g)	150
Average Weight Min (g)	125
Average Yield / Acre (MT)	13-16
Uniqueness	Heat tolerance, excellent yield, high shelf life

Manyata

Bitter Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Attractive, dark green, long vine, medium inter nodes, wide adaptability.
Fruit character	Long, dark green, glossy, prominent medium sharp teeth, bitterness-strong.
Harvest begins days after planting	
In Winter	55-58
In Summer	50-55
In Kharif	55-58
Disease Resistance / Insect Tolerance	High
Fruit Shape	Spindle Shape
Average Fruit Size (L&W) in cm.	28-30 * 5.0-5.5
Average Weight Max (g)	220
Average Weight Min (g)	180
Average Yield / Acre (MT)	14-16
Uniqueness	Excellent long shelf life

Maria

Bitter Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-35
Plant Character	Healthy, dark green, long vine, shorter inter nodes, excellent flower & fruit setting.
Fruit character	Medium long, dark green, shiny, medium teeth construction, bitterness - strong
Harvest begins days after planting	44-51
In Winter	42-49
In Summer	44-51
In Kharif	
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	spindle shape
Average Fruit Size (L&W) in cm.	12-16*3.5-4.0
Average Weight Max (g)	100
Average Weight Min (g)	80
Average Yield / Acre (MT)	09-11
Uniqueness	Earliness, wider adaptability, high yield

Meeli

Bitter Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	20-30
Plant Character	Vigorous, dark green foliage, close bearing
Fruit character	Short, dark green, prominent teeth construction
Harvest begins days after planting	48-52
In Winter	48-52
In Summer	48-52
In Kharif	
Disease Resistance / Insect Tolerance	High
Fruit Shape	Small Spindle
Average Fruit Size (L&W) in cm.	6.5-7.5*3.8-4.5
Average Weight Max (g)	40
Average Weight Min (g)	30
Average Yield / Acre (MT)	07-09
Uniqueness	Excellent shelf life & Bitterness

Mini[®] Bitter Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-35
Plant Character	Vigorous vine, good foliage cover, short inter nodes, profuse flower & bearing.
Fruit character	Medium long, dark green, dense sharp teeth construction.
Harvest begins days after planting	
In Winter	45-50
In Summer	42-49
In Kharif	45-50
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	small spindle tapering end
Average Fruit Size (L&W) in cm.	13-17*3.0-4.0
Average Weight Max (g)	95
Average Weight Min (g)	85
Average Yield / Acre (MT)	8.5-10.5
Uniqueness	High yield, Uniform fruit

Arman+ 4390 Bottle Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-35
Plant Character	Healthy, Dark green spreading type.
Fruit character	Medium long glossy, uniform
Harvest begins days after planting	
In Winter	47-55
In Summer	45-47
In Kharif	47-55
Disease Resistance / Insect Tolerance	Moderate to high
Fruit Shape	Cylindrical
Average Fruit Size (L&W) in cm.	42-48*4.5-5.3
Average Weight Max (g)	950/1750
Average Weight Min (g)	750/1350
Average Yield / Acre (MT)	23-26
Uniqueness	High yield and wide adaptability

Asita[®]

Bottle Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-35
Plant Character	Healthy, strong, spreading branch.
Fruit character	Medium-glossy, uniform, smooth, long fruits
Harvest begins days after planting	
In Winter	45-55
In Summer	43-45
In Kharif	45-55
Disease Resistance / Insect Tolerance	Moderate to high
Fruit Shape	Cylindrical
Average Fruit Size (L&W) in cm.	45-50*5.0-5.5
Average Weight Max (g)	900/1800
Average Weight Min (g)	700/1400
Average Yield / Acre (MT)	22-25
Uniqueness	High yield, uniform fruiting.

Bahula[®]

Bottle Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Vigorous plant, dark green leaf, excellent bearing.
Fruit character	Lustrous attractive green
Harvest begins days after planting	
In Winter	40-45
In Summer	38-43
In Kharif	40-45
Disease Resistance / Insect Tolerance	High
Fruit Shape	Round elongated neck/bulb
Average Fruit Size (L&W) in cm.	35-40*15-20
Average Weight Max (g)	900
Average Weight Min (g)	800
Average Yield / Acre (MT)	25-30
Uniqueness	Uniform fruit, excellent yield & shelf life

Cabaca

Bottle Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Oct / Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Vigorous, strong, short inter nodes, excellent bearing, healthy dark green hairy leaf
Fruit character	Glossy, uniform green
Harvest begins days after planting	
In Winter	48-55
In Summer	46-53
In Kharif	48-55
Disease Resistance / Insect Tolerance	High
Fruit Shape	Long Cylindrical
Average Fruit Size (L&W) in cm.	50-60* 5-5.5
Average Weight Max (g)	1300
Average Weight Min (g)	900
Average Yield / Acre (MT)	25-30
Uniqueness	High tolerance to thrips, suitable for summer cultivation

Toorpa[®]

Bottle Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Oct / Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Strong, very short fruiting nodes, excellent flower & bearing, dark green-hairy leaf, Attractive, glossy, green, uniform, very tender, excellent long shelf life, more consumer preference
Fruit character	
Harvest begins days after planting	
In Winter	45-55
In Summer	42-49
In Kharif	45-55
Disease Resistance / Insect Tolerance	High
Fruit Shape	Med. Uniform cylindrical
Average Fruit Size (L&W) in cm.	35-45*5-6
Average Weight Max (g)	900
Average Weight Min (g)	800
Average Yield / Acre (MT)	27-32
Uniqueness	High tolerance to thrips, suitable for super market sales, highly fits for long distance transportation

Early Gola[®] Cabbage



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May/Jul-Oct
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	45-30
Plant Character	Blueish green plant
Head character	Attractive, green, short internal core structure
Harvest begins days after planting	
In Winter	50-55
In Summer	N/A
In Kharif	50-55
Disease Resistance / Insect Tolerance	Moderate to High
Head Shape	Compact Round
Average Weight Max (g)	1000
Average Weight Min (g)	800
Average Yield / Acre (MT)	18-20
Uniqueness	Extra early, fresh market consumption, wider adaptability.

Flat Gola[®] Cabbage



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May/Aug-Nov
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	60-75
Plant to Plant (cm)	45-30
Plant Character	Blueish green, easy to grow in wider geography
Head character	Attractive, blueish-green, medium core structure
Harvest begins days after planting	
In Winter	80-85
In Summer	N/A
In Kharif	80-85
Disease Resistance / Insect Tolerance	High
Head Shape	Compact Semi flat round
Average Weight Max (g)	2700
Average Weight Min (g)	2200
Average Yield / Acre (MT)	22-26
Uniqueness	Excellent field holding capacity

Green Gola Cabbage



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun/Aug-Nov
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	45-30
Plant Character	Healthy, blueish green plant
Head character	Attractive, blueish-green, medium internal core structure
Harvest begins days after planting	
In Winter	60-65
In Summer	N/A
In Kharif	60-65
Disease Resistance / Insect Tolerance	High
Head Shape	Round
Average Weight Max (g)	1500
Average Weight Min (g)	1200
Average Yield / Acre (MT)	20-23
Uniqueness	Excellent field holding capacity, Good for long distance transportation

Habika Cabbage



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	45-30
Plant Character	Blueish green
Head character	Attractive green
Harvest begins days after planting	
In Winter	72-80
In Summer	72-80
In Kharif	72-80
Disease Resistance / Insect Tolerance	High
Head Shape	Round
Average Weight Max (g)	2000
Average Weight Min (g)	1500
Average Yield / Acre (MT)	26-30
Uniqueness	20-30 day field holding capacity

Hiya Cabbage



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	45-30
Plant Character	Blueish green plant
Head character	Blueish-green, very good internal structure
Harvest begins days after planting	
In Winter	55-65
In Summer	55-65
In Kharif	55-65
Disease Resistance / Insect Tolerance	High
Head Shape	Round
Average Weight Max (g)	1200
Average Weight Min (g)	1000
Average Yield / Acre (MT)	21-24
Uniqueness	Suitable for all the season

Manali Cabbage



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	45-30
Plant Character	Blueish green, wide adaptability.
Head character	Attractive, blueish-green, short internal core structure
Harvest begins days after planting	
In Winter	70-75
In Summer	70-75
In Kharif	70-75
Disease Resistance / Insect Tolerance	Moderate to High
Head Shape	Round
Average Weight Max (g)	1600
Average Weight Min (g)	1400
Average Yield / Acre (MT)	18-20
Uniqueness	Wider adaptability, very good for long distance transportation

Sultan 74 Cabbage



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May/Jul-Oct
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	45-30
Plant Character	Blueish green plant
Head character	Bright green, short internal core structure
Harvest begins days after planting	
In Winter	51-56
In Summer	N/A
In Kharif	51-56
Disease Resistance / Insect Tolerance	Moderate to High
Head Shape	Compact Round
Average Weight Max (g)	1050
Average Weight Min (g)	850
Average Yield / Acre (MT)	19-22
Uniqueness	Extra early, fresh market consumption

Ladli

Carrot



Characters

Variety Type	Hybrid
Usage	Fresh & Processing
Production Cycle	Sep-Nov
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Erect, uniform, very attractive crown
Root character	Uniform, attractive, deep orange red, crispy, excellent sweet taste
Harvest begins days after planting	
In Winter	110-120
In Summer	N/A
In Kharif	N/A
Disease Resistance / Insect Tolerance	Moderate to High
Root Shape	Cylindrical
Average Root Size (L&W) in cm.	18-20*2.5-3.5
Average Weight Max (g)	180
Average Weight Min (g)	140
Average Yield / Acre (MT)	22-26
Uniqueness	Excellent shape, very high shelf life

Pritam

Carrot



Characters

Variety Type	Research
Usage	Fresh & Processing
Production Cycle	Sep-Nov
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Erect, uniform crown
Root character	Attractive deep orange, flesh is very good sweet
Harvest begins days after planting	
In Winter	100-110
In Summer	N/A
In Kharif	N/A
Disease Resistance / Insect Tolerance	Moderate to High
Root Shape	Uniform Cylindrical
Average Root Size (L&W) in cm.	19-20*2.8-3.8
Average Weight Max (g)	180
Average Weight Min (g)	150
Average Yield / Acre (MT)	20-23
Uniqueness	Uniformity, storage & transportation,

Priyam

Carrot



Characters

Variety Type	Research
Usage	Fresh & Processing
Production Cycle	Jun-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Vigorous, attractive green colour crown,
Root character	Uniform, attractive deep orange, crispy, very sweet taste
Harvest begins days after planting	
In Winter	100-110
In Summer	100-105
In Kharif	100-110
Disease Resistance / Insect Tolerance	High
Root Shape	Cylindrical tapering end
Average Root Size (L&W) in cm.	18-20*3.0-4.5
Average Weight Max (g)	200
Average Weight Min (g)	150
Average Yield / Acre (MT)	21-25
Uniqueness	Excellent colour & shape, very high shelf life, wider sowing window

Manpasand Coriander



Characters

Variety Type	Research (IMP)
Usage	Fresh
Production Cycle	May-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	8-10
Plant Character	Shiny dark green, late boalting
Leaf character	Attractive green, aromatic flavour leaf
Harvest begins days after planting	
In Winter	38-45
In Summer	38-45
In Kharif	38-45
Disease Resistance / Insect Tolerance	Moderate to High
Leaf Shape	Broad leaf with cuts
Average Weight / plant Max (g)	42
Average Weight / plant Min (g)	38
Average Yield / Acre (MT)	18-20
Uniqueness	Aromatic, Multi cut

Ciara[®] Cucumber



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Vigorous, short length, parthenocarpic fruit plant
Fruit character	Glossy Dark green, very firm,crispy,light green colour flesh with excellent taste
Harvest begins days after planting	
In Winter	35-40
In Summer	35-40
In Kharif	35-40
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Cylindrical
Average Fruit Size (L&W) in cm.	19-20*3.5-4.0
Average Weight Max (g)	160
Average Weight Min (g)	125
Average Yield / Acre (MT)	16-18
Uniqueness	Dark Green Glossy fruit, good for shipment, Average shelf life is 10-16 days of the fruit harvest

Cilji[®] Cucumber



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Vigorous, medium length, solitary bearing
Fruit character	Bi-color, dark green base, green striped, glossy, firm, small seed cavity, light green colour flesh, crispy, very good taste
Harvest begins days after planting	
In Winter	43-45
In Summer	N/A
In Kharif	43-45
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Cylindrical
Average Fruit Size (L&W) in cm.	17-18*3.5-4.0
Average Weight Max (g)	160
Average Weight Min (g)	130
Average Yield / Acre (MT)	16-19
Uniqueness	High yield in its segment, performs very well in irrigation conditions

Ciona

Cucumber



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Jun/Sep-Oct
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Highly vigorous, medium length, solitary bearing
Fruit character	Bi-color, dark green base, green striped, glossy, firm, small seed cavity, light green colour flesh, crispy, very good taste.
Harvest begins days after planting	
In Winter	38-43
In Summer	N/A
In Kharif	38-43
Disease Resistance / Insect Tolerance	High
Fruit Shape	Cylindrical
Average Fruit Size (L&W) in cm.	20-21*3.5-4.0
Average Weight Max (g)	210
Average Weight Min (g)	170
Average Yield / Acre (MT)	21-23
Uniqueness	Early, very high yield, crispy and tasty, excellent shelf life period 20-25 days after harvest

Nehal

Cucumber



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Jul/Aug-Sep/Jan-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Highly vigorous, medium length, solitary bearing, gynoecious plant
Fruit character	Bi-color, dark green base, green striped, glossy, firm, small seed cavity, light green colour flesh, crispy, very good taste
Harvest begins days after planting	
In Winter	35-42
In Summer	35-42
In Kharif	35-42
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Cylindrical
Average Fruit Size (L&W) in cm.	17-20*3.5-4.0
Average Weight Max (g)	190
Average Weight Min (g)	160
Average Yield / Acre (MT)	20-22
Uniqueness	Good Shelf life, suitable for long transportation

Surina[®]

French Beans



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	15-30
Plant Character	Determinate-Bushy
Pod character	Attractive green pod
Harvest begins days after planting	
In Winter	45-50
In Summer	45-50
In Kharif	45-50
Disease Resistance / Insect Tolerance	Moderate to High
Pod Shape	long-slender
Average Pod Size (L&W) in cm.	13-15*0.9-1.0
Average Weight Max (g)	8
Average Weight Min (g)	5
Average Yield / Acre (MT)	7-9
Uniqueness	Tender fruit, high shelf life

Rajvi

Green Pea



Characters

Variety Type	Research
Usage	Fresh
Production Cycle	Aug-Nov(Plans)/Dec-Jan(Hills)
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Healthy plant (80-90 cm), good flowering and bearing.
Pod character	9-10 seed per pod, excellent sweet taste & easy to harvest,
Harvest begins days after planting	
In Winter	75-80
In Summer	75-80
In Kharif	N/A
Disease Resistance / Insect Tolerance	High
Pod Shape	Straight pointed
Average Pod Size (L&W) in cm.	10-11*1.1-1.3
Average Weight Max (g)	7
Average Weight Min (g)	5
Average Yield / Acre (MT)	7-8
Uniqueness	Good for transport, longer harvest window so its high yield

Green Iron Palak



Characters

Variety Type	Research (IMP)
Usage	Fresh
Production Cycle	May-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	8-10
Plant Character	Vigorous, erect, large, more no. of leaves
Leaf character	Attractive dark green
Harvest begins days after planting	
In Winter	36-40
In Summer	36-40
In Kharif	36-40
Disease Resistance / Insect Tolerance	Moderate to High
Leaf Shape	Broad
Leaf Size (L & W) in cm.	15-16*4.0-5.0
Average Weight Max (g)	30
Average Weight Min (g)	28
Average Yield / Acre (MT)	13-15
Uniqueness	Multi cut (6-7 times) regenerates quickly

Green Shakti Palak



Characters

Variety Type	Research (IMP)
Usage	Fresh
Production Cycle	May-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	8-10
Plant Character	Shiny dark green
Leaf character	Attractive lush green
Harvest begins days after planting	
In Winter	35-39
In Summer	35-39
In Kharif	35-39
Disease Resistance / Insect Tolerance	Moderate to High
Leaf Shape	Broad
Leaf Size (L & W) in cm.	16-18*4.5-5.5
Average Weight Max (g)	33
Average Weight Min (g)	30
Average Yield / Acre (MT)	14-17
Uniqueness	Multi cut (7-8 times) regenerates quickly.

Kiaan

Papaya



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Nov, Feb-Mar
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	200
Plant to Plant (cm)	180-200
Plant Character	180-210 cm plant height, dark green foliage
Fruit character	Hermaphrodite - Oblong & Female - Oval, Red colour flesh, TSS 12%
Harvest begins days after planting	
In Winter	260-290
In Summer	260-280
In Kharif	260-280
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Oblong / Elongated round
Average Fruit Size (L&W) in cm.	21.0-30.0*18.0-20.0
Average Weight Max (g)	3000
Average Weight Min (g)	1500
Average Yield / Acre (MT)	48-53
Uniqueness	Reddish orange colour, flesh, excellent flavour and taste

Zana Pumpkin



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jul-Mar
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-40
Plant Character	Dark green long vine, medium dense canopy, medium intense female flowers.
Fruit character	Dark green with light green stripes, very firm, thick cream flesh.
Harvest begins days after planting	
In Winter	75-85
In Summer	75-85
In Kharif	75-85
Disease Resistance / Insect Tolerance	High
Fruit Shape	Flat round
Average Fruit Size (L&W) in cm.	15.0-18.0*20.0-24.0
Average Weight Max (g)	4000
Average Weight Min (g)	3000
Average Yield / Acre (MT)	25-30
Uniqueness	Glossy fruit with high shelf life.

Namya[®]

Radish



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Feb-Jun
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Med. to big size crown, spinach type leaf, wide adaptability.
Root character	Milky white root
Harvest begins days after planting	
In Winter	N/A
In Summer	40-45
In Kharif	40-45
Disease Resistance / Insect Tolerance	Moderate to High
Root Shape	Slender cylindrical
Average Root Size (L & W) in cm.	25.0-35.0*3.5-4.5
Average Weight Max (g)	240
Average Weight Min (g)	190
Average Yield / Acre (MT)	13.0-15.0
Uniqueness	Early maturity, excellent field holding capacity

Sharika

Radish

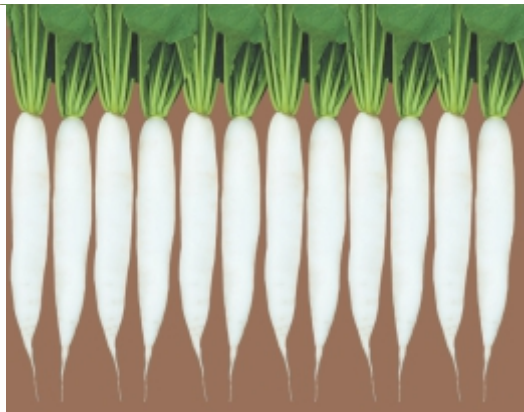


Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jun-Oct
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Attractive green crown with cut leaves.
Root character	White smooth root, very good field holding capacity.
Harvest begins days after planting	
In Winter	45-50
In Summer	N/A
In Kharif	45-50
Disease Resistance / Insect Tolerance	High
Root Shape	Long cylindrical
Average Root Size (L & W) in cm.	25.0-30.0*2.5-3.5
Average Weight Max (g)	350
Average Weight Min (g)	250
Average Yield / Acre (MT)	14.0-16.0
Uniqueness	Roots are uniform & long shelf life.

Zabeen[®]

Radish



Characters

Variety Type	Research / OP
Usage	Fresh
Production Cycle	Jun-Nov
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Erect leafy crown top, Spinach leaf structure.
Root character	White smooth root.
Harvest begins days after planting	
In Winter	28-32
In Summer	N/A
In Kharif	28-32
Disease Resistance / Insect Tolerance	Moderate
Root Shape	Slender cylindrical
Average Root Size (L & W) in cm.	30.0-35.0*3.8-4.2
Average Weight Max (g)	210
Average Weight Min (g)	170
Average Yield / Acre (MT)	12.0-14.0
Uniqueness	Earliness is key factor in its seg.

Zahira

Radish



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Feb-Jun
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Tropical medium plant, spinach type leaf, wider adaptability.
Root character	Milky white, medium to high pungency.
Harvest begins days after planting	
In Winter	N/A
In Summer	33-38
In Kharif	34-40
Disease Resistance / Insect Tolerance	Moderate to High
Root Shape	Cylindrical tapering end
Average Root Size (L & W) in cm.	22.0-25.0*3.0-4.0
Average Weight Max (g)	220
Average Weight Min (g)	180
Average Yield / Acre (MT)	10.0-12.0
Uniqueness	Early maturity, very good heat tolerance, slow in pithiness development.

Como

Ridge Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Strong, vigorous, dark green foliage
Fruit character	Long, deep ridged, attractive green
Harvest begins days after planting	
In Winter	50-55
In Summer	50-55
In Kharif	50-55
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Long with deep ridges
Average Fruit Size (L&W) in cm.	35-45*4.5-5.5
Average Weight Max (g)	220
Average Weight Min (g)	200
Average Yield / Acre (MT)	14-16
Uniqueness	High yield , high % of straight fruit, wider adaptability

Calida[®]

Sponge Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Jan-Feb/Jun-Jul
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Thick vigorous stem, dense canopy, short to medium long vine, very high female flower
Fruit character	Dark green, glossy, greenish white flesh colour.
Harvest begins days after planting	
In Winter	N/A
In Summer	42-45
In Kharif	42-45
Disease Resistance / Insect Tolerance	Moderate
Fruit Shape	Cylindrical
Average Fruit Size (L&W) in cm.	20.0-23.0*3.5-4.5
Average Weight Max (g)	140
Average Weight Min (g)	110
Average Yield / Acre (MT)	7-9
Uniqueness	High Yield

Chandni

Sponge Gourd



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Mar
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	180
Plant to Plant (cm)	30-45
Plant Character	Early, prolific and continuous fruit bearer
Fruit character	Light green white, glossy, greenish white flesh colour
Harvest begins days after planting	
In Winter	40-45
In Summer	40-45
In Kharif	N/A
Disease Resistance / Insect	
Tolerance	Moderate
Fruit Shape	Cylindrical
Average Fruit Size (L&W) in cm.	25.0-30.0*3.0-4.5
Average Weight Max (g)	180
Average Weight Min (g)	150
Average Yield / Acre (MT)	8-10
Uniqueness	High Yield

Antara

Sweet Corn



Characters

Variety Type	Hybrid
Usage	Fresh & Processing
Production Cycle	May-Feb
Ecology	Open Field
Spacing Recommendation	
Row to Row (cm)	45-60
Plant to Plant (cm)	10-15
Plant Character	Dark green foliage, medium tall, lower 3rd or 4th node cob position, healthy plant.
Cob character	Complete cob filled with 14-16 rows, 38-40 kernels per row, excellent tip filling, kernel is very good tender, sweet, crisp taste, Sugar % 13-14 brix meter reading.
Harvest begins days after planting	
In Winter	75-80
In Summer	70-75
In Kharif	75-80
Disease Resistance / Insect Tolerance	Moderate to High
Cob Shape	Cylindrical
Average Cob Size (L&W) in cm.	25.0-35.0*5.5-6.5
Average Weight Max (g)	450
Average Weight Min (g)	350
Average Yield / Acre (MT)	07-08
Uniqueness	Wide adaptability, excellent shelf life, High Yield, crispy and sweeter taste.

Falgu[®]

Sweet Pepper



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	45-30
Plant Character	Sturdy, semi erect, dark green foliage
Fruit character	Dark green, thick, shiny
Harvest begins days after planting	
In Winter	52-55
In Summer	52-55
In Kharif	52-55
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	4 Lobe square round
Average Fruit Size (L & W) in cm.	6.0-8.0*5.0-6.0
Average Weight Max (g)	120
Average Weight Min (g)	100
Average Yield / Acre (MT)	15-18
Uniqueness	High shelf life and ideal for long distance transportation

Sujaya[®]

Sweet Pepper



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	May-Aug/Sep-Oct/Feb-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	75-90
Plant to Plant (cm)	45-30
Plant Character	Semi erect, short inter nodes, excellent stay green, close bearing.
Fruit character	Green, thick, shiny, medium size
Harvest begins days after planting	
In Winter	50-54
In Summer	50-54
In Kharif	50-54
Disease Resistance / Insect Tolerance	High
Fruit Shape	4 Lobe square round
Average Fruit Size (L & W) in cm.	6.0-7.0*5.5-6.5
Average Weight Max (g)	115
Average Weight Min (g)	95
Average Yield / Acre (MT)	17-20
Uniqueness	High yield & high shelf life

Kiara

Watermelon



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180/270
Plant to Plant (cm)	45/30
Plant Character	Dark green foliage, 2-3 branches, 1-2 fruits plant
Fruit character	Sugar baby type, uniform, deep red flesh, crispy, TSS 11.3-12.5 % brix.
Harvest begins days after planting	
In Winter	85-95
In Summer	85-95
In Kharif	85-95
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Black Round
Average Fruit Size (L&W) in cm.	18-22*17-20
Average Weight Max (g)	9000
Average Weight Min (g)	8000
Average Yield / Acre (MT)	09-11
Uniqueness	Suits for local market

Madhul

Watermelon



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180/270
Plant to Plant (cm)	45/30
Plant Character	Green-Dark green plant, 2-3 branches, 1-2 fruits plant
Fruit character	Tiger Skin, oblong, excellent rind thickness, attractive red flesh, medium crispy, sweet taste, TSS 10.5-11.5 % brix.
Harvest begins days after planting	
In Winter	95-105
In Summer	95-105
In Kharif	95-105
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Oblong
Average Fruit Size (L&W) in cm.	30-35*20-25
Average Weight Max (g)	10000
Average Weight Min (g)	8000
Average Yield / Acre (MT)	13-16
Uniqueness	Wider adaptability, big size fruit good for long distance shipment.

Ruma[®] Watermelon

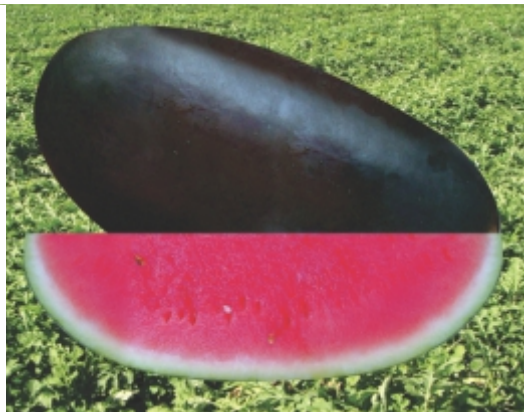


Characters

Variety Type	Hybrid
Usage	Fresh & Export
Production Cycle	Aug-Mar
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180/270
Plant to Plant (cm)	45/30
Plant Character	Dark green foliage, hairy leaf, open plant, 2-3 branch with 2-3 fruit per plant.
Fruit character	Ice Box, dark green - black, rind thickness is strong, deep attractive red flesh, excellent sweet & crispy, taste, very high TSS 13.0 - 14.0 % brix,
Harvest begins days after planting	
In Winter	58-63
In Summer	55-60
In Kharif	58-63
Disease Resistance / Insect Tolerance	High
Fruit Shape	Oblong
Average Fruit Size (L&W) in cm.	24-27*13-16
Average Weight Max (g)	5000
Average Weight Min (g)	3000
Average Yield / Acre (MT)	16-19
Uniqueness	Extra earliness, uniform maturity, more % of A quality fruit, excellent shipment.

Suravi[®]

Watermelon



Characters

Variety Type	Hybrid
Usage	Fresh & Export
Production Cycle	Aug-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180/270
Plant to Plant (cm)	45/30
Plant Character	Dark green foliage, open plant, 2-3 branch with 2-3 fruit per plant.
Fruit character	Ice Box, blackish green, bright red flesh, excellent sweet & crispy, taste, TSS 12.0 - 13.0% brix
Harvest begins days after planting	
In Winter	60-65
In Summer	60-65
In Kharif	60-65
Disease Resistance / Insect Tolerance	Moderate to High
Fruit Shape	Oblong
Average Fruit Size (L&W) in cm.	25-28*14-18
Average Weight Max (g)	5200
Average Weight Min (g)	3300
Average Yield / Acre (MT)	17-20
Uniqueness	Suitable for all season, excellent for shipment.

Wafiya[®]

Watermelon



Characters

Variety Type	Hybrid
Usage	Fresh
Production Cycle	Aug-Feb
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180/270
Plant to Plant (cm)	45/30
Plant Character	Dark green healthy, 2-3 branches, 1-2 fruit plant.
Fruit character	Sugar baby type, uniform , blackish green round, deep red crispy, flesh, TSS 11-12 % brix.
Harvest begins days after planting	
In Winter	85-90
In Summer	85-90
In Kharif	85-90
Disease Resistance / Insect Tolerance	High
Fruit Shape	Uniform round
Average Fruit Size (L&W) in cm.	19-23*18-21
Average Weight Max (g)	9500
Average Weight Min (g)	7500
Average Yield / Acre (MT)	10-12
Uniqueness	Wider adoptability

Wali

Watermelon



Characters

Variety Type	Hybrid
Usage	Fresh & Export
Production Cycle	Aug-Jan
Ecology	Open field
Spacing Recommendation	
Row to Row (cm)	180/270
Plant to Plant (cm)	45/30
Plant Character	Strong, attractive dark green foliage plant, very good flower & fruit set 1-2 fruit on plant
Fruit character	Tiger skin, strong rind, bright red flesh, crispy sweet taste, TSS 12.5-13.5 % brix , very small seed in flesh.
Harvest begins days after planting	
In Winter	75-80
In Summer	75-80
In Kharif	75-80
Disease Resistance / Insect Tolerance	High
Fruit Shape	Oblong
Average Fruit Size (L&W) in cm.	29-33*16-20
Average Weight Max (g)	8000
Average Weight Min (g)	6000
Average Yield / Acre (MT)	13-17
Uniqueness	Unique strong rind - excellent quality for long distance shipment.



Disclaimer: The information furnished in this catalogue is purely on the research and development findings of Tierra Agrotech Limited. Based on the local cultural practices the yield may vary from season to season in different agro climatic zones. It is always advisable, initially practice in small scale upon experience grow in large scale. Tierra Agrotech Limited is not liable for any loss of yield and quality attributions mentioned in this catalogue.

VEGETABLE CATALOGUE

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