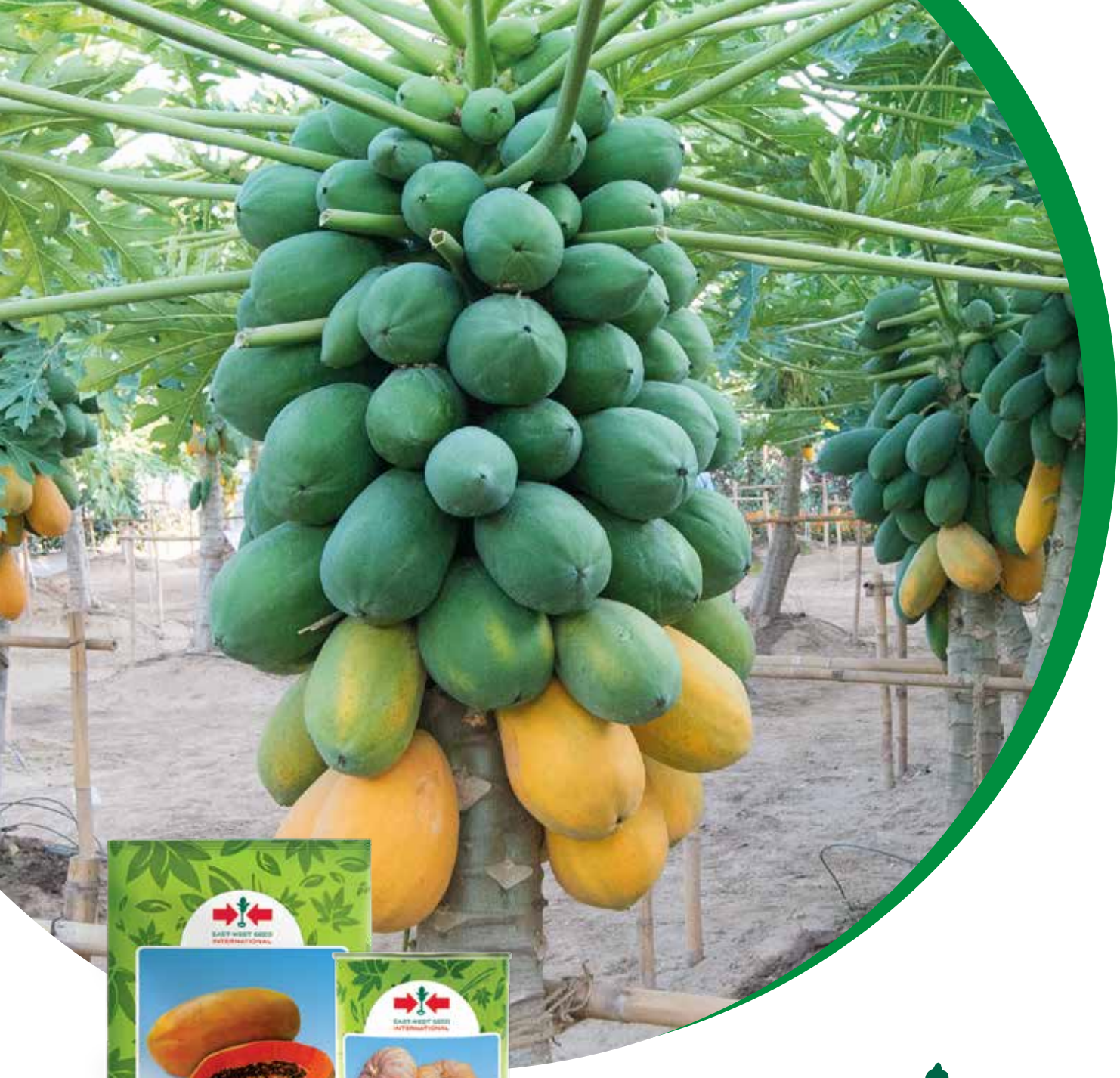


EAST-WEST SEED
INTERNATIONAL

2017-2018
EAST-WEST SEED AFRICA
PRODUCT CATALOGUE

BETTER SEEDS for BETTER YIELD



A few decades ago, the vegetable seed industry in Southeast Asia was little more than trading. Vegetable plant breeding and the improvement of local tropical varieties hardly existed.

Simon Groot, a sixth generation Dutch seedsman, had a vision of introducing breeding programs to developing seed markets in Asia. Thus, East-West Seed was born 35 years ago with the idea of blending European seed technology with Asian tropical vegetable farming.

Today, East-West Seed has revolutionized the tropical vegetable seed market by pioneering localized hybrids and introducing varieties that allow smallholder farmers to be more productive, earning higher income from their unit of land.

A GOOD SEED CAN CHANGE THE LIVES OF MILLIONS

Capturing the African vegetable seed market

After three decades of success in Asia, East-West Seed has set its sights on Africa as its next exciting and challenging terrain.

East-West Seed started its activities in Africa in 2008 via the Afrisem project in Tanzania, a Dutch R&D cooperation with Rijk Zwaan to develop hybrid indigenous varieties for the African market. Soon after, East-West Seed built its own seed processing facility in Moshi, Tanzania with the primary aim to produce Marigold seeds. In 2010 the company acquired the vegetable brand Mkulima, which caused a leapfrog in East-West Seed's market position to become the second largest local vegetable company in Tanzania.

The East-West Seed brand is increasingly getting stronger in the African market, with tropical adapted varieties in tomato, onion, hot pepper, cabbage, papaya, okra, etc. To mention a few, Red Royale a dwarf type of papaya, Red Jewel, Red Star new onions hybrids introduced for off season production during rainy season, tomato hybrids with heat set and resistance to bacterial wilt and tomato yellow leaf curl virus.

The products you will find in this catalogue come in a wide range of packaging sizes, providing access to quality seeds for all our customers, from small-scale farmers to large-scale professional growers. In this way, we are working to improve both farmer income and food security on the planet.

This catalogue only displays products recommended for the tropical African market. For the full range of East-West Seed products we would like to refer you to www.eastwestseed.com

May we wish you many successful crops with East-West Seed products!



CRUCIFERAE

CABBAGE
CAULIFLOWER
BROCCOLI
RADISH



GLORIOSA F1

A high performing hybrid with a compact plant type producing very firm and near perfect round heads.

Both size and shape show very good uniformity.

It has a rapid growth rate and shows a wide adaptability to both warm and wet conditions and in dry and cool climate.



INDICA F1

Indica produces deep oblate heads.

Plants are large and quite vigorous. It performs very well in rainy season and is recommended for mid and high land tropical growing conditions.

It shows good field holding ability, good bursting tolerance and holds well during long distance shipping.



KIFARU F1

A mid early hybrid with perfect round shape, very firm and with high uniformity in size, shape and maturity.

It shows medium to strong plant vigor and its internal quality is nice, deep red, short core and good interior texture.



METICAL F1

An early hybrid showing high uniformity of quality cabbage heads which are round in shape.

The heads are very firm, have a nice internal structure and it is also very much appreciated for its long field holding ability.



NUZAKA F1

An excellent performing hybrid for tropical low and mid land areas.

It shows a good combination of vigor and early maturity resulting in production of large heads within a short period.

Heads are semi flat in shape, firm and medium green in color.



PAKSE F1

A medium early hybrid with a good level of heat tolerance. It has moderate plant vigor which adapts well to different growing conditions.

Heads are flat round in shape, medium green in color and very compact.

Its internal quality is nice, thin leaves, tip burn tolerant and very sweet in taste.

variety	maturity days*	plant vigor	head						features
			shape	color	diameter cm.	depth cm.	core cm.	weight kg.	
maturity 60-80 days, low land tropics									
Nuzaka F1	60-65	strong	semi-flat	medium green	26-28	17-20	8-9	1.8-2.3	early and well adapted to warm growing conditions
Pakse F1	60-65	moderate	semi flat	medium green	18-19	13-15	5-6	1.5-1.8	very uniform, firm heads, sweet in taste and good field holding ability
Metical F1	65-70	moderate	round	bluish green	16-18	16-18	6-7	1.4-1.8	good uniformity, compact and very good field holding ability
maturity 60-80 days, mid to high land tropics									
Gloriosa F1	65-70	strong	round	green	14-16	14-16	6-7	1.2-1.6	compact and firm head, good level of black rot resistance
Kifaru F1	68-72	moderate	round	bright red	12-14	12-14	5-6	1.2-1.4	attractive red color, firm heads, recommended for semi tropical climates
Indica F1	70-75	very strong	oblate to flat	bluish green	18-19	14-15	6-7	1.6-2.0	good uniformity, wide adaptability and very good field holding ability

notes:
- *after transplanting
- all information is based on cultivation in tropical and semi tropical conditions



ALOKI F1

An excellent performer in rather warm conditions.

Plant type is compact and can be planted quite dense. Plant development and head formation is very uniform, resulting in a short harvesting period.

For a heat tolerant variety it produces good size heads of high quality.



ATRIA F1

Atria is a medium early heat tolerant hybrid. It has an erect plant habit and shows very good uniformity.

Heads have perfect dome shape, shows good firmness and color remains quite white.

Since plants are not too large it can be planted at close distances. It is recommended to cover the heads when they break through in order to obtain pure white heads.



AMITHA F1

An early maturing hybrid variety interesting for the semi tropical segment.

It has a large and strong plant type with half self-covering ability.

Heads are white in color with good firmness and uniformity.



POORNIMA F1

A variety with strong plant vigor, producing uniform heads.

It is medium late in maturity and suitable for the slot after the semi heat tolerant range.

It has a reasonably good self-covering and needs to be hand covered a few days prior to harvesting.

Heads will be of high quality, deep dome, very white and firm.

variety	maturity days*	plant		head						features
		vigor	type	color	shape	firmness	diameter cm.	depth cm.	weight kg.	
highly heat tolerant, vernalization at approximately 26-28 °C										
Atria F1	42-46	moderate	open	very white	dome	firm	14-15	10-11	0.7-0.9	reliable variety for warm conditions, producing firm, white heads
Aloki F1	45-50	strong	open	creamy white	dome	very firm	15-16	10-11	0.7-1.0	slight late for the heat tolerant slot but with a very good return, larger heads of high quality
semi heat tolerant, vernalization at approximately 21-24 °C										
Amitha F1	55-60	strong	half self covering	white	dome	very firm	15-17	12-14	1.2-1.4	large, very compact and firm head
cool season, vernalization at approximately 18-20 °C										
Poornima F1	65-70	strong	half self covering	very white	dome	very firm	20-22	13-15	1.3-1.5	reliable performer, produces high quality heads

notes:
- *after transplanting
- all information is based on cultivation in tropical and semi tropical conditions



MADIBA F1

This variety is an early maturing hybrid with a large plant size. The heads are dome shaped, very firm, and medium in size and dark green in color.

Bead size is small. It has a good adaptation to warm conditions and recommended for spring cultivation in semi-tropics and /or tropical highland.

It has shown intermediate resistance to black rot.

variety	maturity days*	plant vigor	head			features
			color	bead size	weight kg.	
Madiba F1	55-58	moderate	green	fine	0.3-0.4	recommended for tropical highland and spring season in semi tropics, early maturing with good heat tolerance

notes:
- *after transplanting
- all information is based on cultivation in tropical and semi tropical conditions



URAL

A very successful East-West Seed selection in tropical radish.

The roots are very uniform in length and shape with a bright white color.

The tops have narrow implant with strong foliage. Ural is recommended for wet season cultivation.

variety	maturity days*	root				features
		diameter cm.	length cm.	color	flesh texture	
Ural	43-45	4.5-5	20-23	white	firm	fast growing and early harvest of very uniform roots

notes:
- *after sowing
- all information is based on cultivation in tropical conditions





CUCURBITACEAE

CUCUMBER
SWEET MELON
PUMPKIN
WATERMELON
ZUCCHINI



GREENGO F1

A gynoecious hybrid with an early maturity and easy fruit set ability. Plant vigor is strong and healthy.

Fruits are medium, uniform in shape and size with nice dark green color. Flesh is crispy and firm.

Recommended for areas with semi tropical growing conditions.



MONA LISA F1

It has a wide adaptability and performs well in periods when growing circumstances are not optimal. Fruits are large and very uniform in shape and size.

Fruit color is deep dark green, flesh quality is firm and crispy. It has an intermediate resistance to powdery and downy mildew, angular leaf spot and cucumber mosaic virus.

Recommended for semi tropical growing conditions or tropical highlands.



AINA F1

Aina is a Japanese type of cucumber. It displays strong vigor with an early maturity.

Fruits are firm, dark green in color and long cylindrical in shape. Its eating quality is much appreciated, very crispy.

It is recommended for cultivation in tropical highlands.



SAIRA F1

This hybrid has a very strong plant vigor and the ability to continue to produce fruits over a long period.

Fruit type is medium to long and very blocky in shape. Its fruit color is medium to dark green and fruit skin very smooth.



KAYIN F1

Kayin shows a very good vigor and side shoot development. It is ideal for area where stress occurs.

Fruits are medium green, highly uniform and of good taste.

Most outstanding is the yield potential which this variety offers.



SOPITA F1

Plant development is vigorous with strong branches and very high yield potential. It is an easy to grow hybrid, adapts well to various growing conditions.

Its maturity is medium early. Fruits are medium to dark green color and have high uniformity in shape and size.

variety	maturity days*	plant vigor	flowering habit	fruit			disease resistance	features
				color	length cm.	diameter cm.		
oriental long cucumber - green								
Sopita F1	38-40	very strong	mo	medium to dark green	18-20	4.0-5.0	ir : ToLCNDV	recommended for tropical climate for year round production
Kayin F1	37-39	strong	mo	medium green	19-21	4.0-5.0	---	ideal for growing where stress occurs.
Saira F1	40-42	very strong	mo	medium to dark green	15-18	4.0-5.0	ir : ToLCNDV	recommended during seasons with high virus pressure
US slicer cucumber								
Greengo F1	35-40	strong	gy	dark green	18-20	4.0-5.0	ir : ZYMV, PRSV, CMV	healthy plant, quality fruit shape and color
Mona Lisa F1	40-42	strong	pf	dark green	20-22	5.0-6.0	ir : CMV	recommended for semi tropics, produces high yield of perfect quality fruits
Japanese cucumber								
Aina F1	37-39	strong	pf	dark green	24-26	4.0-5.0	---	excellent eating quality, recommended for tropical highland

notes:
- *after sowing
- all information is based on cultivation in tropical and semi-tropical conditions
- flowering habit is influenced by environmental conditions
- long days, high temperatures, stress can induce a higher percentage of male flowers

key to abbreviations:
- mo = monoecious
- pf = predominantly female flowering
- gy = gynoecious
- ir = intermediate resistant
- CMV = cucumber mosaic virus
- PRSV = papaya ring spot virus
- ZYMV = zucchini yellow mosaic virus
- ToLCNDV = tomato leaf curl New Delhi virus



URANUS F1

This hybrid shows moderate vigor, with large leaves providing a good cover protecting the fruits from sun scorch.

It is medium early in maturity and shows a high fruit setting ability. Fruit skin is smooth yellow. Flesh is light orange, firm, very sweet and crispy.



ALIOTH F1

A hybrid with a very good adaptation to warm and wet tropical conditions. It is moderate to strong in vigor. Well-developed plants give a good cover to protect fruits from sun scorch.

It has an easy setting ability producing near perfect round fruits with attractive netting. Flesh is orange, sweet and aromatic.

variety	maturity days*	plant vigor	fruit					features
			weight kg.	shape	rind color	flesh color	brix %	
netted skin, non sutured								
Alioth F1	62-65	strong	1.0-1.2	round to highround	netted, cream	orange	10-12	excellent adaptation to tropical growing conditions
smooth skin, non sutured								
Uranus F1	65-68	moderate	1.2-1.4	oval to round	canary yellow	light orange	16-18	outstanding flesh quality, very sweet and crispy

notes:
- *after sowing
- all information is based on cultivation in tropical and semi-tropical conditions



ARJUNA F1

Arjuna is suitable for harvesting either immature green or fully mature red brown, depending on what the market requires. Mature fruits have a very good shelf life.

It has proven to be an extremely high yielder. Its flesh is yellowish in color, firm, sticky and has excellent taste.



PUJITA F1

This variety shows strong vigor and good yield.

Fruits are large, flat round with a smooth skin showing slight sutures. Flesh is thick and orange in color.

variety	maturity days*	plant vigor	fruit			features
			skin	flesh color	weight kg.	
flat round, smooth skin						
Pujita F1	80-85	strong	smooth	orange	3.0-5.0	outstanding performance in all respects, especially refering to its PRSV and ZYMV intermediate resistance
Arjuna F1	90-95	strong	smooth	yellow orange	3.0-4.0	already for many years the champion in tropical Asia

notes:
- *after sowing
- all information is based on cultivation in tropical conditions

key to abbreviations:
- PRSV = papaya ring spot virus
- ZYMV = zucchini yellow mosaic virus



SWEET SANGRIA F1

An outstanding variety, strong in vigor providing a good cover, easy setting ability and reaching high yields. In addition, it has an excellent shipping ability over long distances.

Fruits are striped and highly uniform in shape and size. Flesh is crispy, sweet in taste and nice in color.

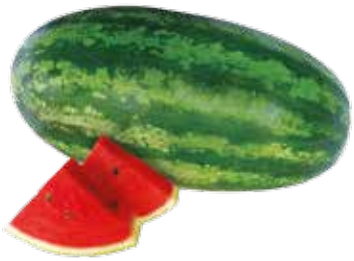


ANDAMAN F1

This is a rather vigorous hybrid, developing strong vines resulting in large plants which are able to give fruits a good cover during periods of strong sunshine.

Internal fruit quality is very attractive, flesh is dark red, very sweet and crispy in taste.

Fruit setting is uniform and strong developed plants can produce easily two fruits per plant.



MARMARA F1

It shows strong plant vigor combined with good earliness.

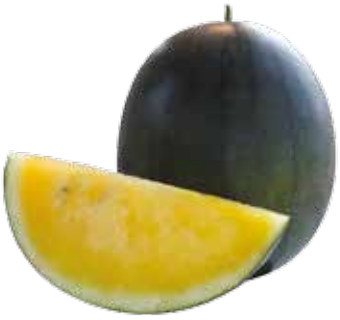
Fruits are oblong and large with a light green background and green stripes. Flesh is deep red in color and very sweet.



ERATO F1

This hybrid shows a nice combination of strong vigor and early maturity. It develops vigorous vines which provide a good cover to protect fruits from sun scorch.

It has an easy fruit setting ability and produces very uniform fruits. Internal fruit quality is very attractive. Flesh is deep red and sweet.



EDWANA F1

Edwana resembles the Sugarbaby type but has a yellow flesh. Plant vigor is medium to strong.

Fruits are slightly high round and medium in size. Its flesh is bright yellow, very sweet and crispy in taste.



HERO F1

This hybrid is moderate to strong in vigor, with medium early maturity. Rind is grayish green with a slight green netting.

Fruit shape is round to slight oblong. Internal quality is best described as outstanding in flesh color which is bright red with a crispy texture and very sweet taste.

variety	maturity days*	plant vigor	fruit					features
			weight kg.	shape	rind color	flesh color	brix%	
small size - striped								
Sweet Sangria F1	70-75	strong	7-8	high round	medium green stripes with light green background	deep red	11-12	good fruit quality with attractive red flesh and good transportbility
medium size - Sugarbaby								
Andaman F1	82-85	very strong	7-8	round, slight oblong	deep dark green	deep red	12-13	large size, very productive
Edwana F1	70-75	strong	5-6	round, slight oblong	dark green, slightly striped	yellow	10-11	excellent eating quality, crispy, sweet and an attractive flesh color
large size - Crimson sweet								
Marmara F1	75-80	strong	8-10	oblong	light green skin with large green stripe	deep red	12-13	attractive oblong fruit, excellent eating quality
medium size - Charleston Gray								
Hero F1	75-80	moderate	6-8	round, slight oblong	greyish green	bright red	12-13	a productive hybrid with an excellent eating quality
Erato F1	68-75	strong	7-9	round	greyish green	deep red	12-13	very good performer in different growing conditions

notes:
- *after sowing
- all information is based on cultivation in tropical and semi-tropical conditions



FELICIA F1

Felicia is a very strong, vigorous hybrid.

Fruits are what we refer to as Lebanese type, with a tapered shape. Color is shiny mottled light green. Felicia is very high yielding.



EKIN F1

This hybrid has an erect plant habit. Its fruits are shiny light green, cylindrical and uniform in shape.

Ekin has an easy fruit setting ability and can reach good yields with a high percent of class A fruits.

Recommended for both indoor and outdoor cultivation.



LUXOR F1

Luxor shows fairly strong vigor with the ability for a continuous fruit set provided conditions are optimum.

It is highly resistant to poty viruses and can be used in periods when the disease pressure is high.

Fruits are quite cylindrical, mottled, medium green and very shiny.

variety	maturity days*	plant vigor	fruit				disease resistance	features
			shape	color	length cm.	diameter cm.		
zucchini squash - light and mottled green - Lebanese type								
Felicia F1	45-48	strong	tapered	mottled light green	20-22	5.0-5.5	ir : ZYMV, WMV-2	straight, tapered fruits, very productive
Ekin F1	45-48	moderate	slight tapered to cylindrical	shiny mottled light green	19-21	4.0-5.0	ir : ZYMV, WMV-2	attractive glossy light green fruits, recommended for indoor and outdoor
Luxor F1	48-51	very strong	cylindrical	shiny mottled light green	16-18	4.5-5.0	hr : ZYMV, WMV-2	suitable for areas/seasons with high poty virus occurrence

notes:
- *after sowing
- all information is based on cultivation in tropical and semi tropical conditions
- flowering habit is influenced by environmental conditions
- long days, high temperatures, stress can induce a higher percentage of male flowers

key to abbreviations:
- ir = intermediate resistant
- hr = highly resistant
- WMV2 = watermelon mosaic virus strain 2
- ZYMV = zucchini yellow mosaic virus





SOLANACEAE

EGGPLANT
HOT PEPPER
SWEET PEPPER
TOMATO



AFRA F1

An early maturing African eggplant hybrid producing flat-round, strongly ribbed fruits with a shiny light green skin.

Plants are erect and vigorous. Fruits are large and bitter. It adapts well to both tropical and semi tropical growing conditions.



KIBIBI F1

In terms of yield and earliness, it is an impressive hybrid. Plants are medium strong in vigor with a high yield potential. Fruits are oval, shiny pale green, and sweet.

In addition it shows good shelf life making it suitable for long distance transport.



AILEI F1

Ailei is a Chinese type eggplant suitable for areas where bacterial wilt occurs. It has a rather vigorous and erect plant habit.

Fruits are long, slender, and shiny. Fruit color is dark purple with a greenish purple calyx. Flesh color is green. Fruits are firm and have good shelf life.



ARJANI F1

Arjani is a vigorous variety with an erect plant habit, keeping fruits well off the ground when fruit load is high.

Fruits are shiny dark purple in color, very firm and elongated, cylindrical in shape.

Arjani has intermediate resistance to bacterial wilt.



ELILI F1

An erect, strong and very prolific hybrid producing clusters of dark purple and shiny, round fruits.

Fruits are small and highly uniform in shape and size. It has a very good color retention and shelf life in warm and dry weather conditions.



FEMI F1

Femi is an improved hybrid in terms of yield, shelf life and bacterial wilt resistance.

Fruits are very glossy dark violet with a smooth skin and excellent firmness. Flesh color is white.

It is widely adaptable to a range of growing conditions and ideal for areas where bacterial wilt occurs.



MERDAN F1

Merdan is a fast and strong growing hybrid that produces high quality fruits.

Plant habit is semi erect with medium to late maturity.

Fruits are very shiny black, very firm and oval in shape. Merdan is ideal for long distance transport.



SNOW BALL F1

A very successful variety in both Asia and Africa where it has shown to have a very good adaptation to tropical and semi tropical growing conditions.

It produces slight elongated, round fruits, ivory white in color with a fresh green calyx.

Plants are vigorous, intermediate resistant to bacterial wilt and provided well developed, they will ensure a high yield of uniform fruits with a good shelf life making them ideal for long distance transport.

variety	maturity days*	plant vigor	fruit							disease resistance	features
			shape	weight gr.	lenght cm.	diameter cm.	skin color	flesh color	calyx		
oblong and round, purple to black											
Merdan F1	70-75	strong	oval globe	190-240	12-14	9.0-10.0	glossy black purple	green	green	hr: TMV	very productive, can be used for both indoor and outdoor
round, white											
Snowball F1	60-65	strong	high round	50-55	6-7	5.0-6.0	ivory	light green	green	ir: BW	ideal for tropical growing conditions, attractive pure white fruit color, high yielding
oval/round, purple											
Elili F1	60-70	moderate	oval round	40-50	7-9	4.5-5.0	dark purple	green	green	--	cluster bearing type, uniform fruit shape and color
long, dark purple to black											
Arjani F1	60-70	very strong	cylindrical half long	100-130	18-22	5.5-6.0	dark purple	white	green	ir: BW	very shiny dark purple fruits, firm and of high uniformity
Ailei F1	50-55	very strong	cylindrical extra long	200-240	32-38	5.5-6.0	dark purple	green	green purple	ir: BW	fruits are very long with glossy, dark purple and smooth skin
long, purple											
Femi F1	55-60	strong	cylindrical long	130-150	23-25	4.5-5.0	deep violet	white	green	ir: BW	ideal for tropical conditions, retains color well post harvest and during long distance transport
African eggplant											
Afra F1	58-62	strong	flat	55-65	4-5	6.0-8.0	light green	green	green	ir: BW	early variety, prolific, shiny fruits, bitter taste
Jaha F1	58-62	moderate	round	30-35	4-5	4.0-4.5	light green	green	green	ir: BW	smooth and shiny skin, moderately bitter
Kibibi F1	58-62	moderate	oval	35-40	6-7	3.0-4.0	light green	green	green	ir: BW	high yielding, prolific, good shelf life, slightly bitter taste

notes:
- *after transplanting
- all information is based on cultivation in tropical and semi-tropical conditions

keys to abbreviations:

ir	=	intermediate resistant
hr	=	highly resistant
BW	=	bacterial wilt
TMV	=	tomato mosaic virus



ARENAL F1

This hybrid fits in the Fresno segment. It has a nice combination of early maturity and high fruit set ability.

It performs well in semi tropical climate. Plants show medium to strong vigor with medium dense canopy. Fruits are highly pungent, wall is medium thick with a smooth skin.



BANDAI F1

A vigorous hybrid producing high yields of very pungent short aromatic fruits with smooth walls, sometimes referred to as “bird or rocket” pepper.

Bandai performs very well in tropical and semi-tropical conditions. It is somewhat late in maturity but its harvesting season can last up to several months.

Bandai has an intermediate resistance to bacterial wilt.



DEMON F1

Demon is a very vigorous variety with a reliable performance in a range of different circumstances. Plants are tall and upright bearing with a concentrated set of fruits.

The attraction of Demon is its fruit quality, firm, very nice bright red color, and uniform in size and shape.



TONGLA F1

A late maturing hybrid, very strong in vigor. Recommended for both rain fed as well irrigated cultivations.

Tongla shows a strong resistance to soil borne diseases as well as common viruses and sucking pest damage. It has an upward fruit bearing habit.

Fruits are of high quality, firm, highly pungent, dark green in immature stage turning to shiny red in mature stage.



MURIA F1

Muria shows a nice combination of strong vigor and good earliness.

It has a rather easy fruit set, resulting in high yields of uniform fruits. Skin color is whitish yellow turning into light red at full maturity. Fruits are very firm.



OSHIMA F1

Oshima is ideal for cultivation in tropical mid and high land growing conditions. It develops into strong, sturdy plants, slightly medium late in maturity.

Fruits are very uniform, quite straight with a smooth wall. Immature fruits are shiny dark green, turning into glossy bright red when fully mature.

Recommended for fresh harvest while green as well as red and also for paste production.



BATUR F1

Batur is an early hybrid with high setting ability under both cool and hot conditions. It shows a strong, vigorous plant and an easy fruit setting ability.

Fruits are large in size, straight and light green in immature color. Eating quality is crisp and mildly pungent.

It is recommended for tropical mid and high land growing conditions.



PIQUANTE RED F1

This hybrid shows strong plant vigor and a high fruit set.

Fruit shape is slight rectangular and highly uniform. Immature the fruit color is shiny bright green turning into deep red when fully mature.

Its pungency is high with an attractive aromatic taste.



PIQUANTE YELLOW F1

Its plant vigor is moderate to strong combined with a mid-early maturity. It provides a good cover to protect the fruits from sun scorch.

Fruits are bright yellow when fully mature, high in pungency and aroma.

variety	maturity days*	plant vigor	fruit						disease resistance	features
			length cm.	diameter cm.	immature color	mature color	wall thickness	pungency		
upward type										
Bandai F1	70-75	strong	4-5	0.9-1.0	medium green	red	thin	very high	ir: BW, Pc, CMV	very good fruit aroma
Demon F1	70-75	strong	6-7	0.9-1.0	medium green	bright red	thin	high	ir: BW, ChiVMV, CMV	an excellent performing hybrid, standard in many bird pepper growing areas
Tongla F1	80-85	very strong	6-7	1.0-1.3	dark green	shiny red	thin	high	ir. BW, ChiVMV, CMV	ideal for areas with high disease pressure and suitable for rain fed areas
pending, fresh market										
Muria F1	60-65	strong	16-18	3.0-3.5	whitish yellow	light red	thick	medium	ir.BW	high yield of very attractive fruits
Batur F1	65-70	strong	18-22	1.5-1.6	light green	light red	thin	low	ir.BW, Pc, CMV	early variety, high setting ability
Oshima F1	80-90	strong	13-15	1.8-2.1	dark green	bright red	thick	high	ir: BW, Pc, CMV	quality fruits, high yield, uniform fruits, recommended for tropical mid and highland
Arenal F1	70-75	moderate	8-10	2.0-3.0	green	red	medium	medium	ir.BW, Pc, CMV	high setting variety yields, quality fruit
African hot pepper (Hanabero).										
Efia	85-95	strong	4-5	2.5-3.0	green	bright red	thin	very high	--	highly pungent with a strong aromatic taste and very productive
Piquante Red F1	75-80	moderate	4-5	2.5-3.0	green	bright red	thick	very high	--	deep red in color, very uniform in size and shape, very high yielding
Piquante Yellow F1	75-80	moderate	4-5	3.5-4.5	light green	yellow	thin	very high	r: ToMV	high production of large, canary yellow fruits

notes:
- *after transplanting
- all information is based on cultivation in tropical conditions

keys to abbreviations:

ir	=	intermediate resistant
BW	=	bacterial wilt
ChiVMV	=	chili veinal mottle mosaic virus
CMV	=	cucumber mosaic virus
Pc	=	Phytophthora capsici
ToMV	=	tomato mosaic virus



GANGA

This variety is East-West Seed's improvement of the California Wonder type.

Plant habit is vigorous and yields are very high.

Fruits are near perfect blocky with thick wall and have a very attractive dark green color.



KAVERI F1

Kaveri is recommended for outdoor cultivation but can be used indoor as well. It has strong vigor and a somewhat open plant habit. It has a very easy and early fruit setting ability.

Fruits are blocky and remain quite uniform in size throughout the harvesting season. Color is medium green turning to attractive red in mature stage.



MEKONG F1

An excellent performing hybrid that produces vigorous, tall plants with an excellent set of dark green, blocky fruits, very uniform in size and shape with medium thick walls.

Mekong is recommended for cultivation in tropical climates.



NIRMADA F1

Nirmada is an early maturing hybrid producing perfect blocky fruits, predominantly four-lobed and with an attractive canary yellow color.

It is medium to strong in vigor with a compact plant habit and an easy fruit set ability resulting in high yield. Can be used for both outdoor and indoor cultivation.

variety	maturity days*	plant vigor	fruit					features
			length cm.	diameter cm.	wall thickness	immature color	mature color	
blocky type - thick wall								
Mekong F1	68 -72	strong	8-9	7-8	medium thick	dark green	red	well adapted to tropical climate, vigorous and stress tolerant
Ganga	72-76	moderate	9-10	9-10	thick	dark green	red	a non hybrid with an easy setting ability and large fruit size
Kaveri F1	70-75	strong	8-9	8-9	thick	dark green	bright red	good combination of vegetative power and earliness, high yield
Nirmada F1	75-80	moderate	9-10	8-9	thick	medium green	glossy yellow	excellent earliness, high yield of uniform fruits

notes:
- *after transplanting
- all information is based on cultivation in tropical and semi tropical conditions



GATRIA F1

A vigorous hybrid in growth and with a high fruit set ability.

Fruits are elongated and medium-sized.

It has a nice disease resistance package and has shown to be very consistent throughout the harvesting season in shape and size.



JELANI F1

A vigorous hybrid with the ability to provide high yields in optimum growing conditions.

Fruits are high round and uniform in shape and of excellent firmness and bright deep red color.

It is ideal for long distance transport and has good shelf life. Suitable for dual purpose, processing as well as fresh market.



KUBER F1

A hybrid with an indeterminate plant habit, medium in vigor. It has an excellent shelf life and transportability.

Fruits are medium red, very firm with a slight green shoulder and uniform in shape.

Recommended for tropical highlands where bacterial wilt and late blight occur.



NIRVANA F1

A vigorous hybrid with a semi determinate plant habit which has the ability to produce high yields.

Fruits are blocky to high round in shape and of excellent firmness. This variety is recommended for tropical mid land areas.



PADMA F1

Padma has good adaptation to warm and humid growing conditions. Plant vigor is moderate to strong.

Fruits are somewhat high round in shape with good firmness and nice red color when fully mature.

Excellent performance in tropical lowland, rainy season.



PAGEO F1

Pageo is a determinate hybrid, showing strong vigor and high yield of medium sized fruits, elongated blocky in shape.

It maintains very good uniformity in size from the bottom to the top of the plant.

Fruits are medium-sized, elongated blocky in shape and well appreciated for fresh consumption.



PLATINUM F1

A hybrid that is most suitable for cultivation in tropical lowland. It displays strong vigor and wide adaptability to different growing conditions.

Fruits are high round, firm and medium-sized. Its excellent disease resistance package and heat set are the reasons why this hybrid has become very popular.



TANDI F1

Outstanding in performance when it comes to earliness, yield, fruit size and fruit quality. It is recommended for tropical midland growing condition, dry season.

Plant habit is compact and small. Closer planting distance can be considered. Fruit set is easy and concentrated. Fruit shape is elongated blocky and large in size.

Fruit firmness and shelf life is rated high.



LARISA F1

An indeterminate hybrid with medium to strong vigor. It has an easy setting ability with uniform cluster. It adapt well to warm and humid conditions.

Fruits are flat round and large in size. Color is deep red and fruits are very firm with good shelf life.

variety	maturity days*	plant vigor	fruit					disease resistance	features
			shape	shoulder	firmness	weight gr.	use		
determinate, tropical									
Padma F1	60-70	moderate	high round	ug	firm	85-95	f	hr : ToMV, Fol 2, Vd ir : BW	excellent for tropical low land rainy season
Platinum F1	60-70	strong	oblong round	ug	firm	70-80	f	hr: ToMV, Vd ir: BW, TYLCV	recommended for tropical low land conditions, good heat set, good cracking tolerance
determinate, roma/saladette, small size									
Jelani F1	70-75	strong	high round	ug	very firm	90-110	f/p	hr: Fol 2, Vd, Mi ir: BW	high yield and quality fruits
Nirvana F1	80-90	strong	oblong round	ug	very firm	90-100	f	hr: ToMV, Fol 2, Vd ir: BW, TYLCV	recommended for tropical mid land and cool season low land
determinate, roma/saladette, medium size									
Gatria F1	85-95	strong	elongated	gs	firm	120-130	f	hr : Fol 2 ir : Vd	attractive red fruits, excellent shelf life, high yielding
Pageo F1	85-90	strong	elongated blocky	ug	very firm	120-130	f	hr : ToMV, Fol 2 ir : Mi, Vd, TYLCV, BW	quality fruits, ideal for areas where bacterial wilt and TYLCV occurs
determinate roma/saladette, large size									
Tandi F1	65-75	medium strong	elongated blocky	ug	very firm	150-180	f	ir : Fol 2, Mi, Vd, TYLCV	outstanding performance in terms of earliness, yield, fruit size and fruit quality
Tina F1	70-75	medium strong	high round	ug	firm	120-130	f	ir : Vd, Fol 3, Pst, TYLCV	good fruit quality, nice and large fruits
indeterminate roma/saladette, small size									
Kuber F1	70-80	strong	high round	gs	very firm	90-100	f	ir :BW, Fol1, Mi, Vd	excellent performer in tropical highland, shows good tolerance to humidity related diseases
indeterminate large size									
Larisa F1	80-85	strong	flat round	ug	very firm	180-210	f	hr: ToMV, Vd ir: TYLCV	recommended for cool season indoor cultivation

notes:
- *after transplanting
- all information is based on cultivation in tropical and semi-tropical conditions

keys to abbreviations:

BW	=	bacterial wilt
Fol 1	=	*Fusarium oxysporum* f.sp. *lycopersici* race 1 (US)
Fol 2	=	*Fusarium* oxysporum f.sp. *lycopersici* race 1, 2 (US)
Fol 3	=	*Fusarium* oxysporum f.sp. *lycopersici* race 1, 2, 3 (US)
ToMV	=	tomato mosaic virus
TYLCV	=	tomato yellow leaf curl virus
Vd	=	*Verticillium dahliae*
Mi	=	nematode
Pst	=	bacterial speck





MISCELLANEOUS

BEAN
BEETROOT / CARROT
CORIANDER / LETTUCE
OKRA / PAPAYA
ONION / SHALLOT
SWEET CORN
AFRICAN LEAFY VEGETABLES



MATAHARI

This variety displays early maturity with moderate to strong plant vigor.

It has an easy setting ability, also in rather warm circumstances. Pods are dark green with a purple tip. They are round in shape with a nice smooth skin.

Matahari is known for its tasty eating quality and good shelf life.

variety	maturity days*	plant vigor	pod			features
			color	length cm.	diameter mm.	
climbing yard long bean, day length sensitive						
Matahari	45-50	moderate	dark green	45-50	5-6	high quality pods, tasty, firm and very good shelf life

notes:
- *after sowing
- all information is based on cultivation in tropical conditions



JHELUM

Plant habit is erect with a small top implantation. It produces uniform round roots with a smooth shoulder and small tap root. The interior quality can be described as having very low fiber content, very sweet, and with an attractive deep red color.

In order to obtain high quality, we recommend growing under highland conditions in tropical areas and in cooler seasons in semi-tropical areas.

variety	maturity days*	plant			root				features
		vigor	type	bolting	diameter cm.	shape	color	weight gr.	
beetroot									
Jhelum	55-65	strong	erect with small top	very late	5-6	round	deep red	120-130	high yielding, smooth pods and uniform length

notes:
- *after sowing
- all information based on cultivation in tropical conditions



THEMA

Thema is a Kuroda type selected for its remarkable field performance.

It has strong foliage, dark green in color. Roots are bright orange with a smooth skin and small core.

Thema shows a good bolting tolerance. Very high yields can be obtained, provided growing conditions are optimum.



FORTADO

This variety is a Nantes type, a strong selection on uniformity, root color and shape. Its foliage development is strong and erect.

The roots show a smooth skin, perfectly cylindrical in shape with a blunt shoulder and growing tip.

Internal quality is excellent, small core, deep orange, juicy and sweet.

variety	maturity days*	plant vigor	root					features
			shape	firmness	color	bolting	weight gr.	
	Kuroda type							
Thema	90-95	strong	conical	firm	orange	highly tolerant	100-130	strong foliage implantation, smooth skin with small core and good taste
	Nantes type							
Fortado	80-90	strong	cylindrical	firm	deep orange	highly tolerant	100-120	deep orange with blunt shoulder and blunt tip, very small core and excellent eating quality

notes:
- *after sowing
- all information is based on cultivation in tropical and semi-tropical conditions



RAMSES

A selection of superior quality with a proven record of very reliable performance.

Ramses is vigorous and fast growing, producing plants with large stems and thick leaves.

It is late bolting and performs well in rainy season conditions.

variety	maturity days*	plant vigor	plant				features
			color	height cm.	weight gr.	bolting	
	coriander						
Ramses	50-60	strong	light green	20-30	40-50	late	large stem, abundant leaves, late bolting, uniform, high yield

notes:
- *after sowing
- all information is based on cultivation in tropical conditions



RAPIDO

A very uniform selection out of Grand Rapids and ideal for tropical growing conditions.

It is relatively slow to bolt and quite tolerant to tip burn. Leaves are light green, relatively large and leaf edges are frilled.



MARULLI

An iceberg selection with a wide adaptability to warm humid and warm dry climatic conditions.

Heads are quite uniform, medium green in color and very firm. It is rather slow bolting and has a good tolerance to tip burn.

variety	maturity days*	leaf / head			features
		color	firmness	leaves	
	loose leaf				
Rapido	55-60	light green	na.	curled, frilled leaf edge	ideal for tropical growing conditions, relatively slow bolting and quite tolerant to tipburn
	iceberg type, heat tolerant				
Marulli	60-75	medium green	very firm	smooth	slow bolting and has good tolerance to tipburn, ideal for growing in warm conditions

notes:
- *after sowing
- all information is based on cultivation in tropical conditions



ARTHENA F1

An excellent hybrid with a dwarf plant habit, short internodes and good side branch formation.

It is medium early in maturity. Leaves are deeply lobed, narrow and less attractive to sucking pests.

Pods are shiny dark green with a medium thick wall and smooth exterior.



BASANTI

Basanti produces erect plants with a very good vigor and a good branching tendency.

Leaf type is rather narrow which attract less leafhoppers.

Ideal harvesting stage for best eating quality is when pods reach a length of 15-17 cm. Pods are slender and color is dark green.



LEON

Leon is a selection with moderate strong plant development and early maturity. It develops 2-4 productive side shoots.

Pods are of high quality, medium long, shiny dark green and of good eating quality.

It is recommended for tropical areas.



MAHA F1

Maha shows a rather compact plant habit with short internodes that result in an easily manageable plant.

Leaves are relatively large. Pods are dark green with a somewhat thick fleshy wall resulting in heavy pods but still very tender. It is also recommended for harvesting baby size pods.

variety	maturity days*	plant vigor	pod				disease resistance	features
			shape	color	length cm.	diameter cm.		
	angled pod							
Maha F1	45-48	moderate	broad	dark green	12-14	2.0-2.3	---	ideal harvesting stage for best eating quality is when pods are still quite immature
Basanti	48-52	strong	slender	dark green	15-17	1.7-1.9	---	a non hybrid with a strong vigor and medium late maturity, producing dark green pods
Leon	45-52	moderate	slender	dark green	10-12	1.6-1.8	ir : YVMV	a selection with strong plant development and early maturity, pods are shiny dark green
Arthena F1	52-54	strong	slender	dark green	12-14	1.6-1.8	ir : YVMV	a dwarf type plant habit, very productive and yielding over a long period

notes:
- *after sowing
- all information is based on cultivation in tropical and semi-tropical conditions

keys to abbreviations:
ir = intermediate resistant
YVMV = yellow vein mosaic virus



FALIT F1

A well performing hybrid developed for tropical conditions. It has strong plant vigor, good eating quality and high yield.

Ears are uniform in size with excellent husk cover and fully filled until the tip. Kernels are straight in row, yellow, sweet and tender.



SUGAR KING F1

A well performing hybrid developed for tropical conditions. It has strong plant vigor, good eating quality and high yield.

Ears are uniform in size with excellent husk cover and fully filled until the tip. Kernels are straight in row, yellow, sweet and tender.

variety	maturity days*	cob						disease resistance	features
		color	length cm.	nr. of rows	tip fill	eating quality	% brix		
	sweet corn								
Falit F1	70-72	yellow	19-22	16-18	very good	very sweet	13	ir: NCLB, rust	good eating quality, high yielding
Sugar King F1	71-73	yellow	20-21	18-20	good	very sweet	13	ir: NCLB	large cob, very sweet in taste and good shelf life

notes:
- *after sowing
- all information is based on cultivation in tropical conditions

keys to abbreviations:
ir = intermediate resistant
NCLB = northern corn leaf blight
rust = southern rust



LUNAR F1

A hybrid with medium to strong vigor, semi dwarf plant habit. It shows wide adaptability to tropical conditions and a high yield potential.

Fruits are medium to large in size. Internally it shows thick, firm flesh, attractive yellow in color and sweet taste.



MARADONA F1

Maradona has semi-dwarf plant habit but very vigorous, developing a large canopy. Fruits are large, with a perfect elongated blocky shape.

The internal quality shows thick flesh with an attractive red color. Its fruits are widely appreciated for their firm texture and sweetness.



RED ROYALE F1

Red Royale stands out with its dwarf plant habit.

First setting takes place just above the soil level and the tree will develop slowly in height, making it easy for harvesting and crop maintenance.

It has an easy fruit set ability. Fruits are large, sweet, with thick flesh and deep red in color. It can be used both for fresh consumption and for making juice.



VEGA F1

A vigorous hybrid with a semi-dwarf plant habit, good fruit setting ability and high yield potential.

It produces very uniform, medium-sized fruits, making it an ideal product for markets that prefer this size.

As for internal quality, its color is attractive red, coupled with very good eating quality, firm and very sweet.



CHARA F1

This hybrid has a dwarf type plant habit with a high setting ability. It is very suitable for markets where medium fruit size is preferred.

Fruits are medium to large in size, with very good shape and uniformity. Fruit flesh is of high quality, sweet, thick and firm with a small cavity and attractive red-orange in color.



MIMOSA F1

Mimosa is ideal for markets where small size is preferred.

Its fruits are of high quality, showing high uniformity in shape and size. Internally, it has yellow flesh with an excellent taste due to its firm texture, high brix and aroma.

The trees show good vigor and a semi dwarf plant habit.

variety	maturity days*	fruit				diseases resistances	features
		shape	flesh color	weight kg.	brix (%)	PRSV	
large fruit size > 1.5 kg.							
Lunar F1	210-240	female = round hermaphrodite = elongated	yellow	1.5-2.5	11-13	5-7	semi-dwarf plant type, attractive yellow flesh color and good fruit setting ability
Maradona F1	210-240	female = round to oval hermaphrodite = blocky cylindrical	red	2.0-3.0	11-13	5-6	large blocky cylindrical fruits, excellent flesh color and sweet in taste
Red Royale F1	210-240	female = round hermaphrodite = elongated	red	1.7-2.5	10-12	5-7	dwarf plant habit , good fruit setting ability, large fruit size, thick and sweet taste
medium fruit size 1.0 - 1.5 kg.							
Vega F1	210-240	female = round hermaphrodite = elongated to cylindrical	red	1.0-1.5	12-14	5-6	semi dwarf plant habit, good eating quality and very sweet in taste
small fruit size 1.0 - 1.5 kg.							
Mimosa F1	210-240	female = round hermaphrodite = pear-shape to elongated	yellow	0.8-1.2	11-13	5-7	small size, yellow flesh color, sweet and aromatic

notes:
- *from sowing
- all information is based on cultivation in tropical conditions

key to abbreviations:
PRSV = papaya ring spot virus
disease resistance rating: 0 = susceptible / 9 = resistant



PREMA

A vigorous selection with strong, erect foliage development.

Bulbs are highly single centered and show very good uniformity in shape and size. Color is attractive bright red.

Prema is especially recommended for rainy season cultivation in the tropics. Properly cured bulbs can be stored for a long period.



DAYO

A short day selection showing strong foliage development and good field performance.

Bulbs are light red in color, flat round and very firm. It shows very high uniformity in color, size and shape.

Dayo shows a good combination of a relative large bulb with a very long shelf life under simple conditions of up to 3-5 months.



SUPER YALI

A variety with an impressive bulb quality that is deep red in color. Medium early in maturity.

Plant development is strong. Bulbs are of high quality, globe shaped, with thin necks and high percentage of single centered bulbs.

Moreover, it has good storage ability.



RED JEWEL F1

A hybrid recommended for cultivation in warm and wet conditions. It shows moderate to strong vigor.

Bulbs are flat globe in shape and showing a very good uniformity in size and shape. Color is bright red and moderate pungent in taste.

This variety shows a good tolerance to splitting and the bulbs are highly single centered.



RED STAR F1

A relative early maturing hybrid onion recommended for tropical rainy season cultivation.

Bulbs are flat globe in shape, medium to large in size, firm and moderate pungent. Bulb color is deep red.

It has fair storage ability.



CHARLOTTE

A high yielding variety recommended for tropical low land growing conditions.

It can be grown in both early and main season and is intended for transplanting. Its outer scales are brown in color and bulb shape is flat to slight globe.

Compared with traditional shallots, it will have approx. 2-3 splits resulting in large size, and making it easier to use in the kitchen.

variety	maturity days*	plant vigor	bulb						features
			shape	firmness	color	bolting	storage	weight gr.	
	short day onion - main season								
Super Yali	95-115	moderate	flat globe	firm	deep red	moderate tolerant	good	80-100	highly single centered and good tolerance to splitting
Dayo	120-130	strong	flat globe	very firm	light red	moderate tolerant	excellent	100-130	strong foliage development, high bulb uniformity, firm and suitable for long storage
	tropical onion - rainy season								
Red Star F1	95-105	moderate	flat globe	firm	medium red	tolerant	good	90-110	an early hybrid suitable for growing in warm and wet conditions, moderate pungency
Red Jewel F1	105-110	moderate	flat globe	firm	medium red	tolerant	good	110-120	well adapted to tropical humid conditions, high quality and productive
Prema	110-120	strong vigor	flat globe	firm	bright red	highly tolerant	good	95-115	specially recommended for growing in rainy season in tropical areas
	shallot								
Charlotte	105-115	vigorous	flat globe	very firm	red	moderate tolerant	excellent	45-55	recommended for tropical lowland, has approximately 2-3 splits resulting in large size cloves

notes:
- *after transplanting
- all information is based on cultivation in tropical and semi-tropical conditions

AFRICAN LEAFY VEGETABLES



ZAIN

A high performing selection in leaf cabbage better known in East Africa as sukuma wiki.

Plants show a strong, erect stem. Besides high uniformity, it also shows a fast growth resulting in high yields.

It is recommended to harvest leaves before they are fully mature, in this stage it has the best eating quality.



NAOMI

This selection stands out for its strong vigorous growth resulting in tall plants with large leaves.

It shows a good plant uniformity and high yield of dark green leaves.

It is recommended to harvest leaves a little early when they are still tender.



ZOYA

This is a selection of green amaranthus and recommended for cultivation in humid mid and low land areas in the tropics.

Zoya shows a rapid growth rate and in optimal condition can reach very high yields and is late bolting.



LETA

Leta is an selection developed with the focus on an erect plant habit combined with a fast growth capability.

While it is regarded as wide adaptable, it prefers a warm climate and sufficient soil moisture for optimal performance.



LULU

A vigorous selection with a high yield potential, provided growing circumstances are optimum.

Leaf size is large and this selection is bitter free in taste. Regular harvesting of young leaves will ensure high quality.



HASINA

It shows a moderate to strong growth and leaves compared with nigthshade scabrum are more slender.

The best results in terms of yield and quality are from fields with a proper moisture and balanced nutrients content.

variety	maturity days*	plant vigor	leaf			features
			shape	size	color	
	leaf cabbage (sukuma wiki)					
Zain	45 - 50	strong	oblong	large	bluish green	high growth speed, resulting in high yields.
	Ethiopian kale					
Naomi	33 - 35	strong	oval	large	dark green	if it comes to climate it is wide adapatable performing well in cold and warm conditions.
	amaranthus					
Zoya	23 - 27	strong	ovate	large	green	fast growing and producing high yields of tender leaves and stems.
	spider plant					
Leta	33 - 37	strong	finger type	medium	green	recommended for warm growing conditions, leaves and stems are slightly bitter sour in taste.
	nightshade - scabum					
Lulu	30 - 40	strong	ovate	large	green	wide adapatable and easy to grow. Ensure sufficient soil moisture for continuous harvesting.
	nightshade - villosum					
Hasina	30 - 40	moderate	oval, linear	medium	dark green	fast growing selection, adapts well to a range of different altitudes, a good soil moisture content is essential for optimal performance.

notes:
- *from sowing
- all information is based on cultivation in tropical conditions

SEED RATE AND PLANTING GUIDE

crop	number of seeds per gram	sowing rate per ha in kg.		planting distance in cm.		
		transplanting	direct	in the row	between the row	
					trellised	non-trellised
Crucifer						
Broccoli	175-275	150	n/a	40-50	n/a	50-70
Cabbage	200-350	0.25	n/a	35-50	n/a	40-70
Cauliflower	200-350	0.25	n/a	30-50	n/a	30-70
Radish	70-100	n/a	5-9	20-40	n/a	40-50
Corn						
Sweet Corn	8-9	n/a	4-5	25-30	n/a	75-80
Cucurbit						
Cucumber	30-50	0.9-1.2	1.2-2.0	40-50	80-120	120-180
Melon	30-45	0.5-0.6	2.0-2.5	40-60	80-120	120-180
Pumpkin	7-15	0.5-1.0	1.0-1.5	100	n/a	250-300
Aquash/Zucchini	6-7	n/a	2.2-2.6	50-70	n/a	80-100
Watermelon - large seed	15-25	0.6-0.8	0.8-1.0	50-60	n/a	120-200
Watermelon - small seed	25-40	0.3-0.4	0.5-0.8	50-60	n/a	120-200
Papaya						
Papaya	58-62	0.04-0.05	n/a	300-350	n/a	250-300
Solanaeous						
Eggplant	150-250	0.2-0.3	0.8-1.0	45-60	n/a	80-100
Hot pepper	140-230	0.2-0.3	0.8-1.0	40-60	n/a	90-120
Sweet pepper	120-200	0.2-0.3	0.8-1.0	35-60	n/a	80-90
Tomato	250-300	0.2-0.3	0.5-0.8	35-60	80-100	100-140
Others						
Beet	7-8	n/a	8-12	10-15	n/a	25-30
Carrot	800-1,100	n/a	4-5	8-10	n/a	15-25
Coriander	80-130	n/a	30-40		broadcast	
Lettuce	800-900	1.2-2.5	n/a	25-35	n/a	30-40
Okra	14-20	n/a	4-7	25-40	n/a	60-100
Onion	300-500	2.0-3.0	5.0-7.0	5.0-6.0	n/a	15-30
Shallot	300-500	2.0-3.0	5.0-7.0	7.5-10.0	n/a	15-30
Yard Long Bean	6-8	n/a	6-8	30-40	100-120	n/a
Sukuma wiki	200-250	0.25-0.3	n/a	40-50	n/a	50-60
Ethiopian kale	250-300	0.2-0.25	0.4-0.5	30-40	n/a	40-50
Amaranthus	1200	n/a	30-40	20-25	n/a	5-10
Spider plants	850	n/a	40-50	30-50	n/a	5-15
Night shade scabrum	1500-2000	0.750	n/a	20-30	n/a	20-30
Night shade vilosum	950-1000	0.750	n/a	20-30	n/a	20-30

STANDARD PACKING SIZE

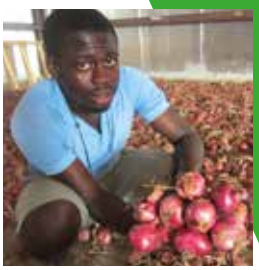


Pouch small | Pouch medium | Pouch large | Pouch extra large | Can small | Can medium | Can large | Can extra large









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