



SEEDS CATALOGUE



Our Knowledge Your Success

MESSAGE FROM THE SEEDS DEPARTMENT

Omry Karplus

Seeds Manager

Our journey to offer the complete solution begins with provision of Amiran Seeds. To boost your harvest you will require quality seeds as well as advanced technology adjusted to customer needs and capacity. The seeds are selected from renowned and leading seeds producers and breeders and do represent the highest quality brand of seeds for both green house and open field production. Our seeds meet each and every international seed testing standards. Amiran Kenya represents the top seeds brands in Israel as well as Europe.

We ensure value and success in the seeds we provide. We ensure that our farmers grow the best of the seeds varieties sought out by consumers all over the world.

The responsiveness and credibility of our well trained agronomists makes it worthwhile to own up the Amiran seeds. Our vision is to contribute to the growth of agribusiness in Kenya, improve livelihoods as well as marketing of high quality vegetable seeds varieties.

Amiran seeds are used by many of our esteemed customers such as:

- a) Export farmers.
- b) Small scale farmers throughout Africa
- c) NGOs and CBO's

Amiran seeds are the seeds provided in the award winning Amiran Farmer's Kit (AFK) which received the MDG award for the eradication of extreme poverty & hunger in 2010, and for Youth Empowerment in 2011, from the MDG Trust Fund sponsored by UNDP.



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TOMATO HYBRID

INDEX FOR RESISTANCES

TYLCV: Tomato Yellow Leaf Curl Virus

ToMV: Tomato Mosaic Virus

TSWV: Tomato spotted wilt virus

Sl: Stemphylium

For: Fusarium crown & root rot

Pst: Bacterial speck

Ma: Nematode

Fol: Fusarium (race 1,2)

TMV: Tobacco mosaic virus

Vd: Verticillium wilt

INDETERMINATE FOR GREENHOUSE PRODUCTION (OVAL FRUIT SHAPE)

CLAUDIA F1

Description

- Extended shelf life
- Good firmness
- Indeterminate hybrid variety
- Greenhouse / Outdoor production
- Staking growing system

SHAPE: Oval

WEIGHT(Gr): 110 - 150

Resistances

- TYLCV
- For
- Ma
- Fol
- ToMV



CORAZON F1

Description

- Extended shelf life
- Good resistance to cracking
- Indeterminate hybrid variety
- Greenhouse / Net house production
- High yielding
- Staking growing system

SHAPE: Oval

WEIGHT(Gr): 130 - 180

Resistances

- Vd
- Fol
- Pst
- TMV
- Ma
- TSWV
- TYLCV

EVA F1

Description

- Indeterminate hybrid variety
- Extended shelf life
- Good resistance to cracking
- Flower setting at high temperatures
- Greenhouse / Net house production
- Staking growing system
- Flower setting at high temperatures

SHAPE: Oval

WEIGHT(Gr): 160 - 200

Resistances

- Vd
- Fol
- Ma
- ToMV
- Pst



INDETERMINATE FOR GREENHOUSE PRODUCTION (ROUND FRUIT SHAPE)

PRIMADONA F1

Description

- Indeterminate hybrid variety
- Extended shelf life
- Compact but strong plant
- Suitable for long cycle production
- Very flavoursome beef type fruit.
- Greenhouse / Net house production
- Staking growing system

SHAPE: Globe

WEIGHT(Gr): 300 - 350

Resistances

- Fol
- ToMV



YAARA F1

Description

- Indeterminate hybrid variety
- Extended shelf life
- Adaptable to difficult conditions
- Very high yielding
- Greenhouse / Net house production
- Staking growing system

SHAPE: Round

WEIGHT(Gr): 200 - 250

Resistances

- Vd
- Fol
- ToMV
- For
- Ma
- TSWV



INDETERMINATE CHERRY TOMATO

CHERRY RED BEAUTY F1

Description

- Nice cluster
- Deep red colour
- Greenhouse Variety

SHAPE: Globe

WEIGHT(Gr): 10 - 20

Resistances

- Vd
- Fol
- ToMV



LUCI PLUS

Description

- Very good taste
- Intense red color
- Greenhouse Variety
- Very Good Shelf Life

SHAPE: Oval shape

WEIGHT(Gr): 20

PLANT VIGOR: Medium

RELATIVE MATURITY: Medium

Resistances

- Vd
- Fol (race 1, 2)
- ToMV
- Ma
- Pst
- Sl



DETERMINATE FOR OPEN FIELD PRODUCTION (OVAL FRUIT SHAPE)

GALILEA F1

Description

- Open field, Bush & staking growing system
- Good leaf coverage
- Extended shelf life
- Determinate hybrid variety

SHAPE: Oval

WEIGHT(Gr): 150 - 180

Resistances

- Vd
- Fol (race 1, 2)
- Ma
- ToMV
- Pst



SHANTY F1 + N

Description

- Very early maturity
- Determinate hybrid variety
- Open field production
- Very high tolerance to nematodes
- Extended shelf life

SHAPE: Oval

WEIGHT(Gr): 130 - 180

Resistances

- TYLCV
- Vd
- Fol
- Pst
- Ma
- TSWV



GALILEA F1 IMPROVED

Description

- Open field staking and bush
- Long shelf life
- Very firm
- Determinate Hybrid Variety
- Excellent red colour
- Very strong plant
- Field resistance to powdery mildew

SHAPE: Oval

WEIGHT(Gr): 140 - 160/fruit

Resistances

- Vd
- Fol (race 1, 2)
- ToMV
- TYLCV
- Ma
- Pst

SHANTY F1 IMPROVED

Description

- Determinate hybrid variety
- Open field bush or staking
- Regular shelf life

SHAPE: Oval

WEIGHT(Gr): 140 - 160/fruit

Resistances

- Vd
- Fol (race 1, 2)
- ToMV
- ToTV
- TYLCV
- TSWV
- Pst
- Ma



SWEET PEPPER HYBRID

INDEX FOR RESISTANCES

ToMV: Tomato Mosaic Virus

PMMoV: Pepper Mild Mottle virus

TSWV: Tomato spotted wilt

GOLDEN SUN F1

Description

- Extended shelf life
 - 3 lobes in fruit
 - Blocky
 - Medium Fruit walls
 - Greenhouse/nethouse Production
- FRUIT COLOR: Yellow(Gold), Green-Yellow
FRUIT SIZE W/L(CM): 9 x 9
PLANT HEIGHT: Upright

Resistances

- ToMV



GRANDISIMO F1

Description

- Extended shelf life
- Good fruit set in low temps.
- Greenhouse/nethouse Production
- 3 lobes in fruit
- Blocky
- Strong plant

FRUIT COLOR: Dark Green - Red
FRUIT SIZE W/L(CM): 11 x 10
PLANT HEIGHT: Upright

Resistances

- ToMV



ORANGE PEPPER GLOW F1

Description

- Extended shelf life
 - 3 lobes in fruit
 - Blocky
 - Medium Fruit walls
 - Greenhouse/nethouse Production
- FRUIT COLOR: Yellow(Gold), Green-Yellow
FRUIT SIZE W/L(CM): 9 x 9
PLANT HEIGHT: Upright

Resistances

- ToMV



TOP 168 EVERGREEN F1

Description

- Extended shelf life
- Good fruit set in various climatic conditions
- Slot - hot to cold, for indoor (net houses or greenhouses) production
- Medium Fruit walls
- Blocky

FRUIT COLOR: Evergreen
FRUIT SIZE W/L(CM): 11 x 10

Resistances

- ToMV





HOT PEPPER HYBRID

INDEX FOR RESISTANCES

TMV: Tobacco Mosaic Virus

PVV: Potato virus Y

HOT PEPPER 212 F1

Description

- Extended shelf life
- Early relative maturity
- Mainly for open field
- Very high quality-Export quality
- Very hot

FRUIT COLOR: Ivory - Red

FRUIT SIZE W/L(CM): 3 x 10

PLANT HEIGHT AND HABIT: Upright

Resistances

- TMV
- PVY



HOT CAYENNE

Description

- Extended shelf life
- Open pollinated variety
- When the fruits are ripe they turn dark red and very glossy
- Suitable for the local market and also export

FRUIT COLOR: Green-Red

PLANT HEIGHT AND HABIT: spreading



SUPER HABANERO F1

Description

- Extended shelf life
- Strong vigory
- Late relative maturity

FRUIT COLOR: Green-Red

FRUIT SIZE W/L(CM): 4 x 6

PLANT HEIGHT AND HABIT: Upright

Resistances

- TMV



SERENADE F1

Description

- Extended shelf life
- Open Field Production
- Thin Fruit walls

FRUIT COLOR: Green-Red

FRUIT SIZE W/L(CM): 8 X 2

PLANT HEIGHT AND HABIT: Medium Spreading

Resistances

- TMV
- PVY





CUCUMBER

INDEX FOR RESISTANCES

Foc: Fusarium wilt **Px(exsf):** Powdery Mildew

SARIG F1

Description

- For greenhouse production
- Long shelf life
- Parthenocarpic type

COLOR: Dark green
LENGTH(CM): 14 - 16
SEASON: All year round

Resistances

- Px(exsf)



CARMEN F1

Description

- Parthenocarpic type
- Good shelf life
- Greenhouse production
- Early Maturing

COLOR: Dark green
LENGTH(CM): 30 - 35
SEASON: All year round

Resistances

- Px(exsf)





LETTUCE

INDEX FOR RESISTANCES

Bl: Downey mildew

Pm: Powdery mildew

SUPER JERICHO (ROMAINE TYPE)

Description

- Excellent eating quality, sweet & crisp, high uniformity
- Indoor & open field production

COLOR: Light green

HEAD SHAPE: Romaine type

WEIGHT(GR): 1000 - 1500AV.

MATURITY: 50 - 55 days from planting

Resistances

- Pm & Bl



AVIRAM F1 (ICEBERG TYPE)

Description

- Early maturing
- Outdoor/Greenhouse production
- Good heat resistance

COLOR: Light green

HEAD SHAPE: Slightly flattened globe

AV. WEIGHT(GR): 300 - 700

MATURITY: 65 - 75 days from seeding

Resistances

- Bolting





CABBAGE

INDEX FOR RESISTANCES

Xcc: Black rot

Foc: Fusarium Conglutinans

WHITE CABBAGE LANDINI F1

Description

- Early maturing variety, suitable for fresh market and processing
- Good standing ability
- Adapted to various climates

HEAD SHAPE & COLOUR: Round, green heads

AV. WEIGHT(KG): 3 - 5

MATURITY: 80 - 100 days after transplanting

Resistances

- Xcc
- Foc



NIZ 1043 F1

Description

- Very flexible variety.
- Good standing ability.
- High Resistance to Fusarium conglutinans(YR).
- Well suited for the earliest processing slot.

HEAD SHAPE & COLOUR: Round shaped, green head

AV. WEIGHT(KG): 3 - 4.5 (depending on planting density)

MATURITY: 65 days after transplanting

Resistances

- Xcc
- Foc



TAURUS F1

Description

- Recommended plant population 25.000- 35.000 pl/ha.
- Well filled heads with good field holding capacity.
- Strong against bolting & bursting

HEAD SHAPE & COLOUR: Round to flat-round, blue green heads

AV. WEIGHT(KG): 4 - 6

MATURITY: 100 - 110 days after transplanting

Resistances

- Xcc
- Foc



ROMUS F1

Description

- Recommended plant population 45.000 - 50.000 pl/ha.
- Very good standing ability.
- Good tolerance to bolting and cracking
- Medium plant size with little wrapper leaves
- Very flexible variety
- Very good field standing ability
- Very uniform fruits
- Year around transplanting

HEAD SHAPE & COLOUR: Round shaped heads with medium red colour.

AV. WEIGHT(KG): 1.5 - 2

MATURITY: 75 days after transplanting

Resistances

- Xcc
- Foc



SWEET MELON

INDEX FOR RESISTANCES

Pcu: Downy Mildew

Sf: Powdery mildew

CMV: Cucumis mosaic virus

MNSV: Muskmelon Necrotic Spot Virus

Fom: Fusarium wilt

GALIA F1

Description

- For outdoor and greenhouse production
- Very good netting

RIND: Yellow-Orange

WEIGHT (KG): 1-1.2

Resistances

- Pcu
- CMV



GALIA F1 IMPROVED

Description

- Very sweet taste with pleasant aroma.
- Small seed cavity.
- Light green flesh color
- Very good netting
- Long shelf-life
- Bush growth undercover and open field

Skin color: Yellow

Days from planting to harvest: 75

Ave. sd/gr. : 43

Ave. Fruit weight: 1.5Kg

Fruit Shape: Round

Resistances

- Fom 0, 1, 2
- MNSV
- PMT



6023 RANI

Description

- Good taste and aroma- Export quality
- Early maturity, suitable for early season
- High yield, uniform size
- High disease resistance
- Open field, greenhouse, trellised

Resistances

- Fom 0,1,2
- Pcu
- Sf
- MNSV

Plant Description: Vigorous

Relative maturity: Early

Flesh Color: Green

Shelf life: Good

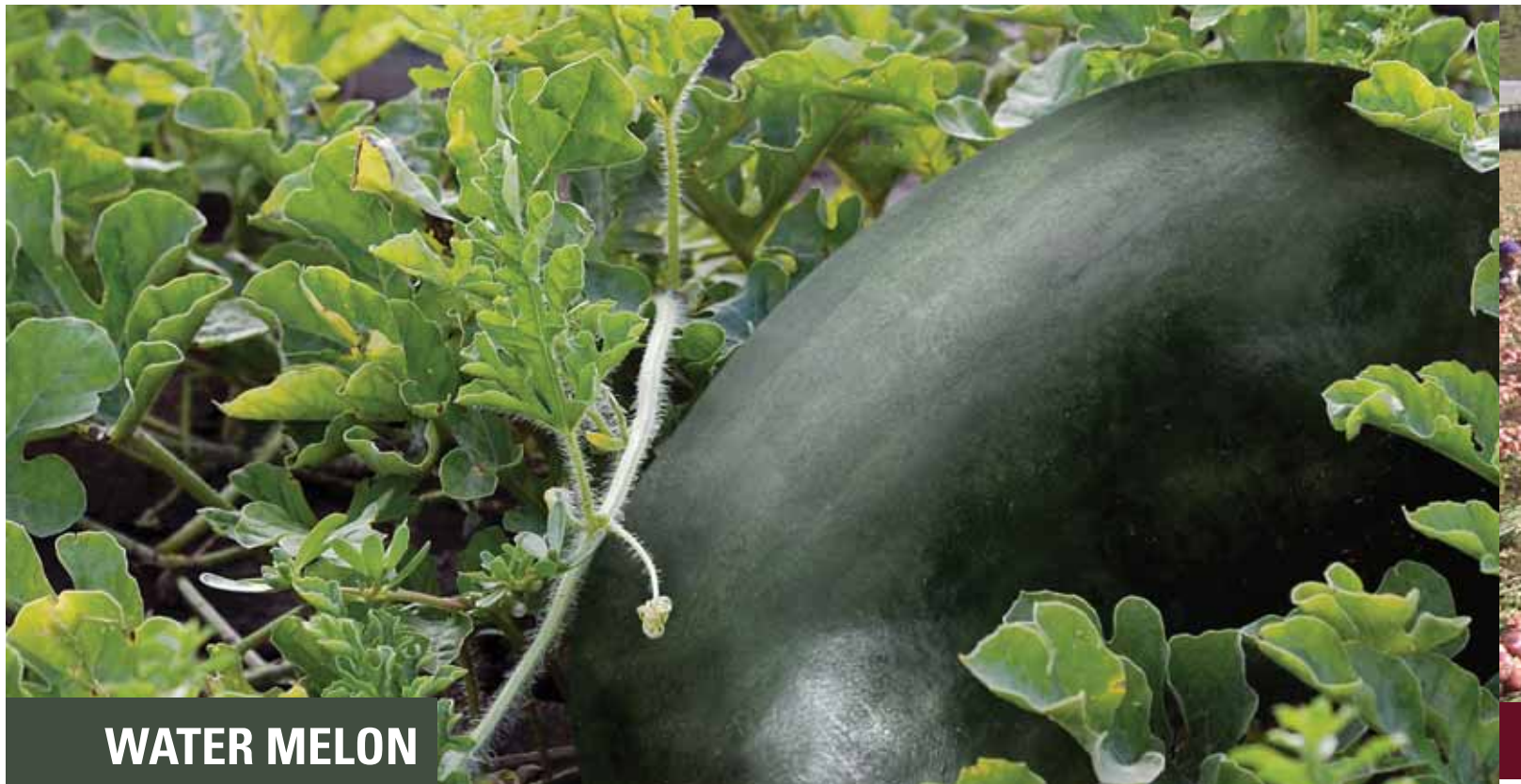
Growing Season: Early spring/Spring

Fruit Shape: Round

Average Weight: 1-1.3kg

Brix %: 11-12





WATER MELON

ODEM F1

Description

- Firm, dark brown seeds
 - Good shelf life
 - Very early maturing
- SHAPE:Oval
 RIND: Very Dark green
 WEIGHT(KG): 7 - 8
 FLESH: Red



RIVER SIDE - 6801 F1

Description

- Matures in the Mid-season
 - Deep red flesh
- SHAPE:Oblong to elongated
 RIND: Wide dark stripes
 WEIGHT(KG): 11 - 13
 FLESH: Deep red, Crisp and very sweet



LAHAT F1

Description

- Has very high brix
 - High yielding
 - Good shelf life
- SHAPE:Oblong
 RIND: Dark green with dark green stripes
 WEIGHT(KG): 9 - 11
 FLESH: Deep red, sweet, soft & crisp



MARIDADI F1

Description

- Relatively early maturing,
 - Uniform
 - High marketable fruit yield,
 - Well established hybrid in East African region
- SHAPE:Oval to oblong
 RIND: Dark green stripes
 WEIGHT(KG): 8 - 10
 FLESH: Excellent, sweet taste





ONION

INDEX FOR RESISTANCES

Pt: Pink root

SIVAN F1

Description

- Slightly pungent
- Pink flesh
- Very high yield
- Delicious sweet taste

SKIN: Light brown - pink

SHAPE: Globe

RELATIVE MATURITY: Very early

MONTHS STORAGE: 4 - 5

Resistances

- Pt



NEPTUNE F1

Description

- High yielding
- Firm shining red bulbs
- Good pungency
- Good for salads
- Extended shelf life

SKIN: Deep red

SHAPE: Flattened globe

RELATIVE MATURITY: Mid late

MONTHS STORAGE: 5 - 6

Resistances

- Pt



ROGUE F1

Description

- Good for salads
- Extended shelf life

SKIN: Red

SHAPE: Globe

RELATIVE MATURITY: Early

MONTHS STORAGE: 4 - 5

Resistances

- Pt



RUSSET F1

Description

- Very firm, red flesh color
- Strong plant vigor

SKIN: Red

SHAPE: Granex - round

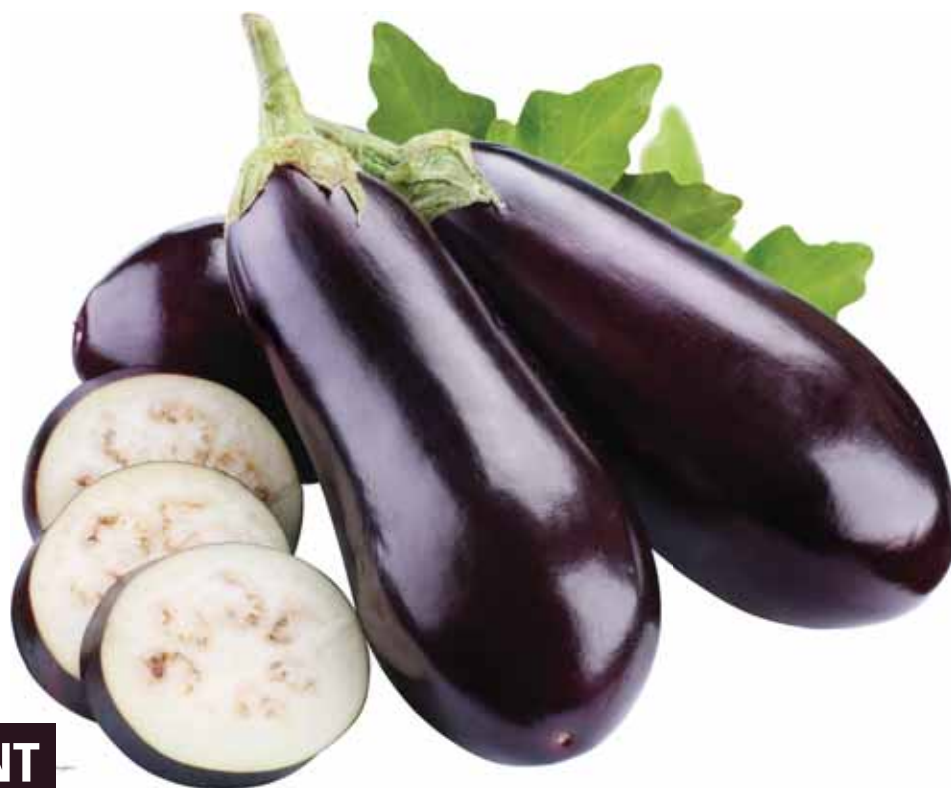
RELATIVE MATURITY: Early

MONTHS STORAGE: 3 - 3.5

Resistances

- Pt





EGGPLANT

BLACK BEAUTY F1

Description

- Grows best in hot areas
- Has white meaty flesh
- keeps well after picking
- Hardy Crop
- Can be sold in the export and local market
- Good Shelf life.

RELATIVE MATURITY: 75 days

COLOR: Glossy purple to almost black

SHAPE: Round



KABERI F1

Description

- Long shelf life. Vigorous growing
- Bushy to medium plant
- Fruits are in clutters
- Very prolific
- Has wide adaptability
- Export quality

RELATIVE MATURITY: 55 days

COLOR: Glossy and shining with green carlyx

SHAPE: Oval high

WEIGHT: 50 - 60g



TAMMI F1

Description

- Long shelf life(very firm)
- Open field production system
- Vigorous growing
- Semi erect plant
- Has wide adaptability
- Export quality

RELATIVE MATURITY: 75 days

COLOR: Shiny purpulish black with green carlyx

SHAPE: Elongated oval (ravaya type)

LENGTH: 18-20cm

WEIGHT: 50-60g





SPINACH

INDEX FOR RESISTANCES

Pfb: Downy mildew

BABY SPINACH PALCO F1

Description

- Has long harvesting period
- Fast growing
- Large and thick leaves

COLOUR: Dark green thick leaves

Resistances

- Pfb
- Late bolting



PAKCHOI

PAKCHOI CHOKO/SHUKO

Description

CHOKO: Growing vigorously, suitable for summer cropping.

SHUKO: Suitable for Autumn-Spring sowing, vigorous and uniform.



SALAD ONION

DAMAS

Description

- Bunching onion with very dark green, tight upright foliage and a white shaft, good for bunching. High harvesting productivity due to uniform, medium-coarse plants and a high cleaning efficiency. Compact growth habit for year round cultivation in open fields.



BUNCHING ONION

Natsuyo

Description

- Maturity: 70
- Stem size: 1.3
- Stem type: Mono
- Leaf color: Dark green





BROCCOLI

SAKURA F1

Description

MATURITY: 70 days
 PLANT SIZE: Medium
 HEAD COLOUR: Green
 HEAD SHAPE: High dome
 HEAD TIGHTNESS: Tight
 BEAD SIZE: Small
 CROPPING: Summer- early Autumn



AMY F1

Description

- New green tender stem broccoli type for multiple harvest.
- Healthy plant produces smooth stems, with excellent flavour.
- Take out primary head at 2-3 cm then harvest side shoots
- regularly every 2-3 days for continuity.





PEA

SNAP PEA CASCADIA

Description

- Recommended plant population of 500 000 pl/ha is optimal for this variety.
- Suitable for Fresh market & pre-packing
- Generally acceptable disease tolerance.

POD SHAPE: Slightly curved, pointed & smooth

COLOUR: Medium green

LENGTH: 7 cm

PODS PER NODE: 2

KERNELS / POD: 7-8

FLOWER COLOUR : White

PLANT GROWING HABIT: Normal type

VINE LENGTH: 90cm

YIELD: Fairly well concentrated pod set

MATURITY: Medium - 86 - 90 days

GARDEN PEA GREEN FEAST

Description

- Recommended plant population of 500 000 pl/ha is optimal for this variety.
- Suitable for Fresh market
- Generally acceptable disease tolerance.

POD SHAPE: Slightly curved, pointed & smooth

COLOUR: Medium green

LENGTH: 8.5 cm

PODS PER NODE: 2

KERNELS / POD: 6 - 7

FLOWER COLOUR : White

PLANT GROWING HABIT: Normal type

VINE LENGTH: 70 - 80cm

YIELD: Fairly well concentrated pod set

MATURITY: Medium - 70 - 75 days

GARDEN PEA DESIGN

Description

- Stable, proven yielder.
- Determinate, early and main crop variety
- 4 – 5 levels of harvestable pods.
- Product with good taste, colour and quality.
- Strong and vigorous plant
- Good root system and outstanding stress tolerance.

POD COLOUR: Dark green

LENGTH: 8.5 cm

PODS PER NODE: 3

KERNELS / POD: 7 - 8

TOLERANCE : Fusarium Race 1

Sieve size by a TM 110

<8.2	8.2-9.3%	9.3-10.2%	>10.2
5	25	45	25





BEANS

INDEX FOR RESISTANCES

BCMV: Bean common mosaic virus

CI: Anthracnose

SAONE (FINE VARIETY)

Description

- For export and fresh market
- Culture: Open field and under plastic tunnels
- Very high yielding
- An easy pick
- Uniform product
- Extended shelf life

Plant Characteristics

Upright
Well developed root system
It is an early variety.
Well adapted for fresh harvests
COLOR: Brilliant darkgreen
HEIGHT(CM): 50 - 60CM

Resistances

- BCMV
- CL

Pod Characteristics

Straight
Average sieve size by maturity is 6.5-8.0 mm.
Stringless variety
very fleshy & does not show seeds in maturity stage
COLOR: Brilliant darkgreen
LENGTH(CM): 12.5cm



SOURCE (EXTRA FINE VARIETY)

Description

- For export and fresh market
- Culture: Open field and under plastic tunnels
- Very high yielding
- An easy pick
- Uniform product
- Extended shelf life
- LENGTH(CM): +/- 11 cm

Plant Characteristics

- Vigorous variety
 - Leaves have are darkgreen
 - Mid-early variety.
 - Has several flowering and pod setting data that makes the variety suitable for several harvests
- COLOR: Brilliant darkgreen
HEIGHT(CM): 45 - 50CM

Resistances

- BCMV
- CL

Pod Characteristics

Nice straight pods
Average sieve size 90%>6.5mm & 10% 6.5-8.0mm
Remains fresh for a long time after harvest
Stringless variety
COLOR: Dark green





INDEX FOR RESISTANCES

BCMV: Bean common mosaic virus

CI: Anthracnose

SULTANA

Description

- For export & fresh market
- Culture: Open field and under plastic tunnels
- High yielder
- Uniform product.
- Easy to pick
- Extended shelf life

Plant Characteristics

- Vigorous upright plant.
- Leaves have are dark shiny green.
- Mid-early variety.
- Strong root system.
- The plant has a spread flowering and pod setting which makes the variety suitable for several manual harvests.

COLOR: Dark shiny green

HEIGHT(CM): 50- 55CM

Resistances

- BCMV
- CL

Pod Characteristics

Nice straight pods.

Average sieve size 80% 9-10,5 mm 20% 8-9mm.

Remains fresh for a long time after harvest.

Stringless variety.

COLOR: Dark shiny green

LENGTH(CM): 14.5 cm



RIO GRANDE

Description

- Very well adapted for multiple handpickings.
- Gives an excellent yield even under stress-circumstances.
- Adapted for canning and freezing.
- Disposes an outstanding fruit quality.

Plant Characteristics

- A strong plant habit.
- Leaves are mid-darkgreen.
- The variety is mid-early and well adapted for early sowings.
- Rio Grande doesn't give an uniform flowering which means varies pod-setting and as a consequence adapted for several manual harvest-pickings.

HEIGHT(CM): 48-55CM

Resistances

- BCMV
- CL

Pod Characteristics

- Shows anthocyanine on the pods but will disappear completely after cooking.
- Genetically colored seeds have a better taste which is very typical for Rio Grande.
- Harvested in a young stage it can reach easily 95% very fine sieve sizes <6,5 mm.
- The variety is very fleshy and has a good self-live.
- No pod-string formation in maturity stage.





INDEX FOR RESISTANCES

BCMV: Bean common mosaic virus

Cl: Anthracnose

ASR 1103

Description

- Easy to pick.
- High yield.
- Uniform product and in maturity.
- Very low % of stems and branches and so well adapted for mechanical harvest.

Plant Characteristics

- Variety suitable for different soil types.
- Strong root system.
- Mid-early variety.

COLOR: Dark Green Leaves

HEIGHT(CM): 45 - 50CM

Resistances

- BCMV
- CL

Pod Characteristics

- Very straight pods, 12-13 cm length.
- Early length and therefor flexible to harvest.
- Dark green pods.
- Mono caliber : sieve size 100% < 6,5mm .
- Firm fleshy pods.
- Good self life.
- Stringless variety.
- Good Heat tolerance.



ASS 1204

Description

- Easy to pick.
- Reliable good yielder.
- Uniform and nice product.

Plant Characteristics

- Erected and sturdy plant.
- Rather open plant.

COLOR: Mid Green Leaves

HEIGHT(CM): 48 - 57CM

Resistances

- BCMV
- CL

Pod Characteristics

- Straight pod ,nice darkgreen and brilliant colour.
- Mono sieve size 100% < 8/9 mm.
- Pod length 12.5 – 13.5 cm.
- Fleshy and firm pods.
- Good long self life capacities.





INDEX FOR RESISTANCES

BCMV: Bean common mosaic virus

CI: Anthracnose

ASR 1207

Description

- Easy pick.
- Adapted to multiple manual pickings.
- Nice and uniform product.

Plant Characteristics

- Sturdy plant.
 - Excellent root system.
- COLOR: Mid to Dark Green Leaves
HEIGHT(CM): 56 - 65CM

Resistances

- BCMV
- CL

Pod Characteristics

- Pod length 14 cm.
- Mid green pod colour.
- Sieve sizes 10% < 6.5 mm et 90% 6.5 - 8.0 mm.
- Good long shelf life after harvest.



OPEN POLLINATED VEGETABLE VARIETIES

ONION: RED CREOLE

Description

- It has red globular bulbs.
- Performs well in warm climates.
- Stores well in dry, ventilated conditions.
- Yield potential is 15-28 tonnes/acre.
- Matures in 4.5 - 5 months.
- Has an excellent red colour.
- Can be stored up to six months.
- High yielding.



ONION: TEXAS GRANO

Description

- Excellent onion with good tasting flavour.
- Ideal for fresh salads.
- Mild in Pungency.
- Creamy white internal colour.
- Yield potential 20 tonnes/acre.
- Matures in 100-120 days.
- Big Bulbs.
- Early maturing.



TOMATO: RIO GRANDE

Description

- Open pollinated determinate variety.
- Takes on a dark red colour at maturity.
- Tolerant to verticillium wilt and fusarium wilt (Races 1 and 0).
- Firm and tasty fruits.
- High dry matter content.
- Oval and heavy fruits.



TOMATO: CAL J

Description

- Determinate variety (Bushy type).
- Deep Red in Colour.
- Oval and heavy fruit.
- Firm and tasteful fruit suited for fresh market and processing.
- Yields 30-50 tonnes per ha.
- Maturity period 80 days.



CRIMSON SWEET

Description

- Plant spacing 100cm x 100cm.
- The fruits are of medium size, blocky oval is the shape.
- The rind is dark green with broad dark green stripes.
- The flesh is brilliant red, firm with excellent texture and sweetness.
- It matures in about 90-120 days after planting.
- Mature fruit weighs 7-9 kgs.
- Well adapted to different weather conditions.
- Fruit is sweet with a crunchy texture and attractive red flesh.
- Has vigorous growth and fine quality.



WATERMELON: SUGAR BABY

Description

- This is a variety that can be cultivated all year round and is robust in growth.
- It is round in shape black in colour with red sweet flesh.
- The fruit weighs about 7-8 kg.
- It matures in 60-75 days.
- Suitable for shipping and long distance transport.
- Early Maturing.



CUCUMBER: SUPER MARKETER

Description

- Grows well in hot climatic conditions.
- Maturity period is one and a half to two months.
- It yields about 16-32 tonnes per ha.
- Early maturing.
- Very popular in the local market.
- Very high yielding.



PEPPER: CALIFORNIA WONDER

Description

- Blocky shaped fruit
- Thick flesh
- Grown to be harvested green
- Suitable for outdoor production
- 3-4 slightly rounded lobes
- 150-180gms
- Open pollinated variety



OPEN POLLINATED VEGETABLE VARIETIES

OKRA: CLEMSON SPINELESS

Description

- It is grown for its green pod which is the edible part.
- The pods are spineless.
- Grows best in hot areas as a rainfed crop or under irrigation.
- It is very popular for the local market.
- Has a high percentage grade out.



SQUASH: BUTTERNUT

Description

- This is an open pollinated variety.
- Elongated pear shape.
- Fruit colour is creamy tan and the flesh is yellowish orange.
- Early maturing.
- Small seed cavity and therefore more flesh.
- Has unequalled eating qualities.



CARROT: NANTES IMPROVED

Description

- Coreless and early maturing.
- Flesh is natural sheen, deep orange colour.
- Root is tapered, cylindrical, smooth and fairly long.
- Yield potential is upto 12-36 tonnes/acre
- Matures in 90-120 days.
- High yielding



SQUASH/COURGETTE: BLACK BEAUTY

Description

- Grows best in warm areas with light well drained soils
- It is a directly planted crop
- It is an open pollinated variety
- It is early maturing



CHARLESTON GREY

Description

- This is a robust variety that is relatively tolerant to disease and harsh weather.
- The fruit is oblong in shape with light green rind and weighs about 10-16 kgs.
- It has deep red flesh.
- Maturity time 55-60 days.
- It is ideal for fresh market.
- It is sweet juicy and crunchy.
- It is tolerant to Fusarium races 1 and 3 and anthracnose.
- It has high brix, few seeds, compact fruit and resists sunburn.
- The fruit is strong thus good storage and transportation abilities.



SQUASH: AMBASSADOR F1

Description

- Dark green
- Very prolific, Has excellent flavor
- Number of seeds/g:9
- Maturity from transplanting: 45 days



LEEK: GIANT CARENTAN

Description

- Shaft colour: white with light green to the top.
- Excellent for fresh market.
- Mild in flavour.
- Shaft length: are 15cm-18cm
- Shaft diameter: is 3 - 3.5 cm.
- Maturity period is 90 days.
- Leaf colour: blue - green
- Leaf habit: erect - fan type
- Plant size: medium
- Frost tolerance: medium
- Generally acceptable disease tolerance.
- Recommended plant population of 200 - 250 000 pl/ha is optimal



OPEN POLLINATED VEGETABLE VARIETIES

BEETROOT: RED DETROIT

Description

- This variety is grown for its roots and leaves.
- Does well in relatively cool areas.
- Has a red globular root.
- Matures in 75-90 days.
- Is gaining popularity with nutritionists.



SWISS CHARDE:FORD HOOK GIANT

Description

- This is an old and popular leafy vegetable variety.
- It is well adapted and thus can grow in a wide range of environments.
- It is resistant to black rot and diamond black moth.
- It is very popular in the local market.
- It has a long harvesting period depending on the amount of nutrients supplied and field hygiene practiced.
- The leaves are long and broad.



KALE: THOUSAND HEADED

Description

- This is a continuous growing and hardy crop that is tolerant to cold temperatures.
- It has a thick stem with big leaves that are dark green, smooth and attractive.
- It matures between 90-100 days.
- Variety is continuously growing and can stay in the field for a long time, therefore giving a higher production.
- Can also be used as fodder for animals.
- Easily digestible.
- Easy to cook.



EGG PLANT: BLACK BEAUTY

Description

- Also known as Brinjals or Aubergines.
- It grows best in hot areas.
- Has large sized round fruits which are glossy purple to almost black in colour.
- It has white meaty flesh and keeps well after picking.
- It is a hardy crop.
- Very attractive purple colour.
- Big in size.
- Can be sold in the export and local market.
- Good shelf life.

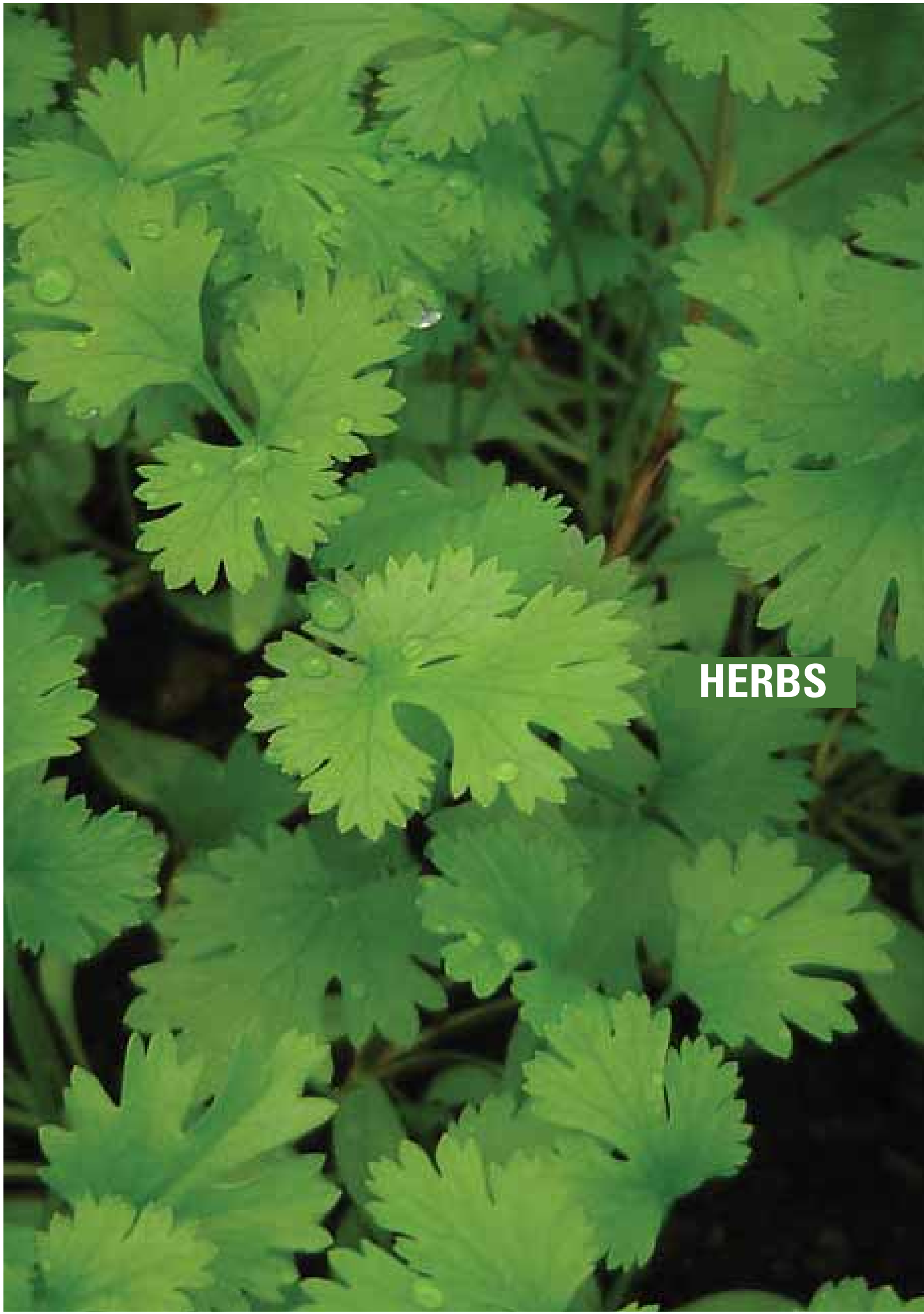


COLLARD: SOUTHERN GEORGIA

Description

- It is a very popular seed variety grown across Africa.
- It has been developed to give high yields while holding up to six months before flowering thus profitable to the farmer.
- The leaves are well flavored and easy to cook.
- Very popular in the local market.
- Variety is adapted to hot areas that means it can do well in most parts of Kenya.
- It is hardy and resistant to heat and black rot.





HERBS



BASIL

INDEX FOR RESISTANCES

Fob: Fusarium wilt

AROMA 2

Leaf Attributes

- Medium size: 5-6cm. (2-2.5")
- Excellent light green color
- Spoon type shape
- Smooth texture
- Delicate taste
- Pleasant Aroma

Resistances

- Fob
 - Bolting
- MATURITY: 50-days from planting to harvest

Plant Attributes

Productive, vigorous vegetation
50-60cm (20-24")
Compact growth habit
Good for container production
Multi harvest
Early productive stand
Indoor and open field production



GENOVESE TYPE

Bonazza

Leaf Attributes

- Shiny, dark green

Plant Attributes

- Long Shelf life after cutting
- Very good handling and transport capabilities
- Suitable for fresh market and processing

Resistances

- Fob
 - Bolting
- MATURITY: 50-days from planting to harvest

SMALL LEAVED BASIL

Pluto

- Basil with small leaves.
- Well branched variety
- High yielding
- Very aromatic



THAI BASIL

Sita

- Thai basil with a very good, sweet aromatic taste and exotic fragrance.
- Flavour stable under high/extended cooking temperature.
- Small narrow leaves



RED BASIL

Deep Purple

- Dark purple basil with good vibrant color and uniform stand.



CHIVES

CHIVES PRAGUE IMPROVED

Description

- Very fine blades
- Vigorous and upright growth
- Excellent for fresh market
- Dark green selection



OREGANO

ZATAAR

Leaf Attributes

- Soft oval green leaves
- Sharp Oregano aroma and flavour
- Classic Tymol type essential oils: 22.4% Carvacrol & 50.3% Tymol
- Used for centuries in the mediterranean as curlinary and medicinal herb

Plant Attributes

- Perennial bushy, evergreen crop
- Semi-upright growing habit
- Very hardy
- Radial size: 40X40cm. (16X60")
- Harvest height: 15-20cm.(6X8")
- Miniature white edible flowers
- Thousand seed weight: 0.22gr.

MATURITY:
90-95 days from
planting to harvest



ROCKET

WILD ROCKET

Roma

- Robust and very dark leaves with strongly serrated leaves.
- Considerably long shelf life.
- Dark green in colour.
- Intensive flavour.



SALAD ROCKET

Speedy

- Serrated leaf shape of wild rocket.
- Very quick growth
- Approximately 25-30 cm high



DILL

COMMON

Description

- Up to 100cm high.
- Fresh green leaves



DELIKAT

Description

- Quickly growing
- Aromatic dill
- Early and large yields.
- Many leaves
- For the fresh market and industry.

TETRA

Description

- Leafy
- Fresh green leaves
- Upright growth habit
- High leaf mass
- Late bolting variety

PARSELY

CURLED PARSELY

Darki

- Very dark selection of type "Moss Curled" for year round production.
- Easy to harvest due to the extremely upright leaves.
- Suitable for cultivation in pots, for the fresh market and industry.

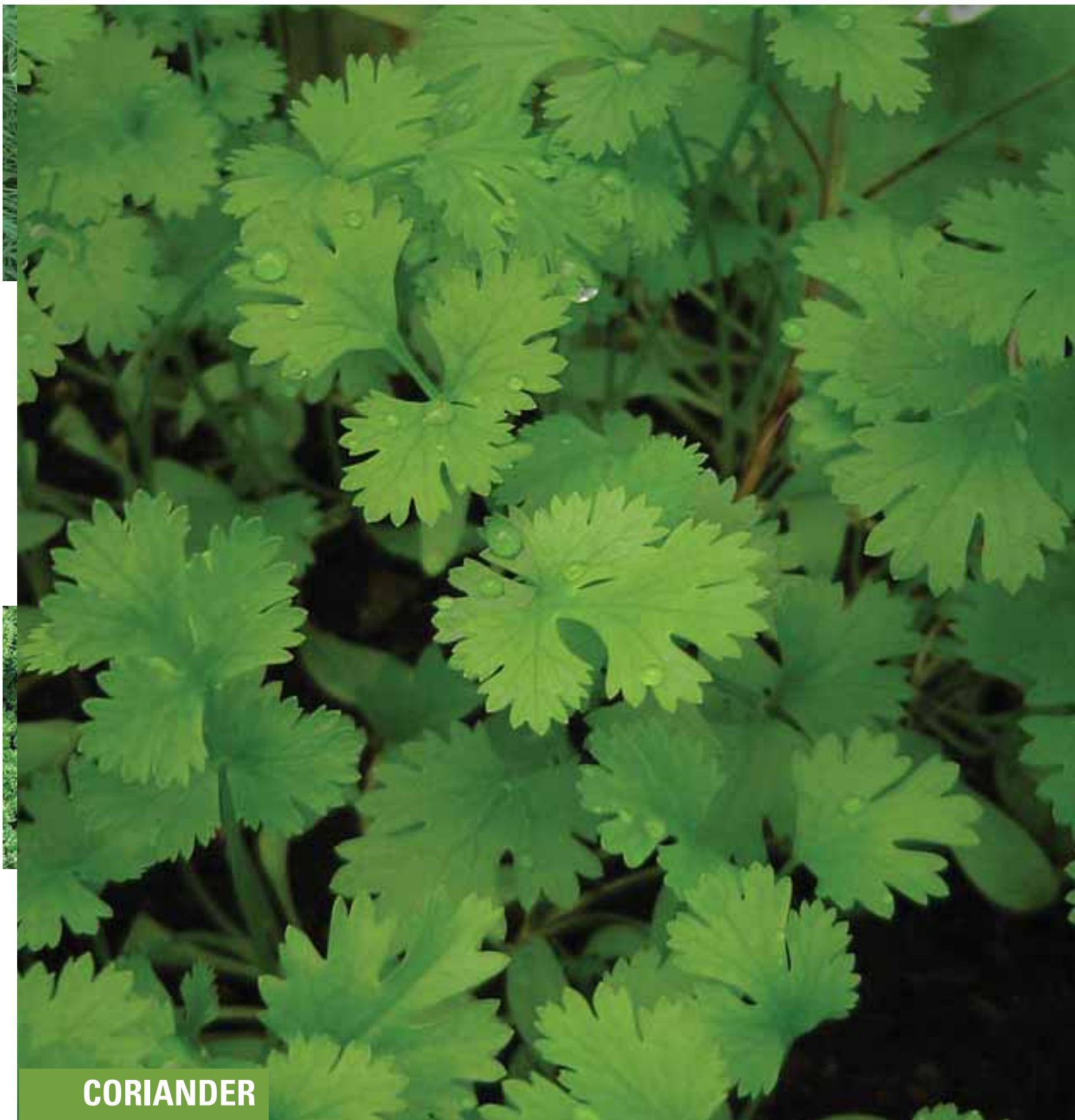


SMOOTH PARSELY

Laica

- Robust, flat-leaved parsley for cutting, dark green, intensively
- aromatic with large leaves and strong stems.
- Very high yielding.
- Multi cut.





CORIANDER

CORIANDER PALLAS

Description

- Very aromatic
- Multi cut -3-4 times
- Very many leaves
- Not bolting
- Suitable for fresh market

CULTIVATED CORRIANDER

Description

- Vigorous in growth
- Ready for harvest in 35days
- Good aroma
- Can grow throught the year
- Suitable for the local market
- Adapted to wide range of climatic conditions
- Well scented Herb

AMERICAN LONG STANDING

Description

- Adaptable to various climatic conditions
- High content of essential oil

OTHER HERBS

SAGE

Plant

- Perennial bushy, very productive.
- Radial size: 50X50cm. (18X18")
- 80–90 days from planting to harvest

Leaf

- Color: green grey hairy leaves
- Size: elongated 5 - 7 cm long 1.5 cm wide
- Very aromatic with lemony slightly bitter fragrance



CHERVIL

Fijne Krul

- Curled type, approx. 20 - 40 cm high

Massa

- Approx. 20-40 cm high



TARRAGON

Tarragon, Russian

- Approx. 100-150 cm high



MARJORAM

Description

- Approximately 40 cm high.



BORAGE

Description

- Approximately 30-80 cm high.



THYME

Plant

- Small perennial bushy evergreen
- Very hardy
- Size: 25X25cm. (10X10")
- Flowers early summer
- Attractive small lilac flowers
- 90–95 days from planting to harvest

Leaf

- Minature elliptic miniature dark green leaves
- Superb aroma and flavor
- Used as culinary and medicinal herb



LEMON BALM

Description

- Approximately 80 cm high.



LOVAGE

Description

- Approximately 150 cm high.



PEPPERMINT

Description

- Approximately 30 cm high.



ROSEMARY

Description

- Approximately 20-120 cm high,
- Perennial.





XTEND SHELF LIFE BAGS

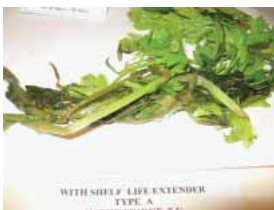
Active bag keeps fresh fruits, vegetables and herbs fresher for long by preventing the onset of decay. Amiran Active Bag's exclusive technology ensures food products retain that freshly picked flavour for a long time period. This smart flexible packaging solution preserves freshness and prevents spoilage, substantially increasing the storage and shelf-life of produce.

WHY USE XTEND SHELF LIFE BAGS

Extends shelf-life

- Significantly extending the shelf life of your fresh produce (Between 100%- 1000% even more.)

18 DAYS WITHOUT AB



18 DAYS WITH AB



Reduce pathogenic & fungicide growth

- Inhibit pathogenic growth such as salmonella and E. coli, as well as fungicide growth



Molecularly Absorbs and removes gases

- Remove molecules that damage the specific fresh produce.
- Most of the fresh produce release gases as they ripen.
- Exposure of the produce to these gasses accelerates ripening and deterioration.



Increases profits

- Enables the sale off-season produce, with better prices due to enhanced quality.

Reduces costs and money lost

- Allows transportation by sea or land (instead of air freight) and decreases insurance cost.
- Allows more flexibility in storage time.

Internal gases enrichment system

- Constant release of needed gases to create better incubation conditions inside the bags.

XTEND SHELF LIFE BAGS

Decreases waste

- Less spoilage of fruit, vegetables, and fresh-cut produce



Prevents Weight loss

Prevents stress from the fresh produce that can cause:

- High sensitivity to mold problems.
- Off flavoring.
- Discoloring.
- Aroma loss.



Moisture Control system

- Prevents produce from rotting by Water Transfer
Molecules that are inside the film and have a good water transfer ability.



Prevent chilling or heat injuries

- Protects the fresh produce from random changing in the storage temperatures.



Types of Xtend Bags Available

XTEND BAGS	PRODUCT PACKED	SIZE (KG)
xtend bags green line	Basil	1
xtend bags white line	Mint,coriander	1
xtend bags black line	Chives	1
xtend bags red line	Rosemary	5
Gefen 105	Sukuma, Spinach	1
Gefen 205	Tomatoes	1



Our Knowledge, Your Success.

SHANTY IMPROVED F1

MY CHOICE FOR SUCCESS

EXCELLENT RED COLOUR
EXTENDED SHELF LIFE WITH GOOD FRUIT FIRMNESS
ADAPTABLE FOR DIFFERENT STRESS CONDITIONS
MARKETABLE FRUIT SIZE
HIGH YIELDING
HIGH FRUIT UNIFORMITY

DESCRIPTION

- Determinate hybrid variety
- Early maturity
- Open field production
- Excellent bush plant with high leaves coverage

SHAPE: Oval

WEIGHT(Gr): 140 - 160 / fruit

RESISTANCES*

- Tomato yellow leaf curl virus
- Verticillium wilt
- Fusarium wilt (race 1,2)
- Bacterial speck
- Nematodes
- Tomato spotted wilt virus



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Hazera
Seeds of Growth

1000 GRAM WEIGHTS

Crop	Weight 100gr	No. of Seeds/gr
Seedless mini watermelon	35-60	17-28
Watermelon with seeds	35-45	23-28
Seedless watermelon	50-60	16-20
Onion	2.5-4.1	250-400
Lettuce	0.9-1.2	900
Eggplant	4.3-5.2	200-300
Ananas melon	41-50	20-25
Galia melon	25-35	28-32
Cucumber	27-33	30-35
Beet	15-20	50-70
Tomato	3-4	250-330
Tomato (cherry)	1.8-2.5	400-550
Parsley	1.8	550
Pepper	6.5-9	110-150
Radish	9-12	80-110
Squash	115-140	6-8
Classic ornamental sunflower	40-60	17-25
Colorful ornamental sunflower	20-40	25-50

SEED CULTIVATION DATA

Vegetable species	TSW{g} approx.	Germination temp. (substrate) (°c)	Seed rate(**) for direct sowing (plants/ha) approx.	Stand density(**) at planting (plants/ha) approx.	Cultivation time (**) from sowing/ planting (days) approx.
Beans					
Dwarf french beans	100-400	≥12/opt. 25	320 TK/80-120kg		70-100
Climbing beans	350-500	≥15/opt. 20-24	40-65 kg (FL) 300-500 G/100m ² (GH)		60-120
Bulb fennel	5	20-22		100,000	60-80
Cabbage					
Cauliflower	4	15-20		20,000-35,000	70-90
Red cabbage	4	15-20		30,000-50,000	70-140
White cabbage	4	15-20		30,000-50,000	60-140
Carrots					
Washing carrot	1-1.7	6-20	1.4-1.8 Mio K		90-130
carrots for industry	1-1.7	6-20	1.2-1.5 Mio K		100-150
Cress	1.2-2.5	15-20	600-800kg		15-20
Cucumbers					
Slicing cucumbers -greenhouse-	25-35	≥18/opt. 23-26 further cultivation T/N 20-22/16-18		1.5 plants/m ²	harvest starting from 30 days
Eggplants	5-6	20-25		1.8 plants/m ²	harvest starting from 60 days
Herbs					
Basil	1.5-1.8	18-22	3kg		50-60
Chives	1-1.5	15-20	6-10kg		
Dill	1-2	15-20	8-10kg		50-60
Parsely	1.2-1.8	15-20	4-10kg		harvest starting from 60 days
Salad rocket	2	15-20	10kg		30-50
Wild rocket		20-25	2-4kg		40-60
Leek	2.5-3.5	≥15 precultivation GH ≥ 8, opt. 10 (FL)	250-300 TK/ha	140,000-200,000	planting: 90-120
Lettuce					
Baltavia lettuce	0.8-1.2	10-15, max. 18		100,000(FL) 120,000(GH)	35-60(FL) 50-80(GH)
Oakleaf lettuce	0.8-1.2	10-15, max. 18		100,000(FL) 120,000(GH)	35-60(FL) 50-80(GH)
Iceberg lettuce	0.8-1.2	10-15, max. 18		70,000(GH)	45-60
Butterhead lettuce	0.8-1.2	10-15, max. 18		100,000(FL) 120,000(GH)	35-60(FL) 50-80(GH)
Lollo Bionda/Rossa	0.8-1.2	10-15, max. 18		100,000(FL) 120,000(GH)	35-60(FL) 50-80(GH)
Romaine lettuce	0.8-1.2	10-15, max. 18		100,000 Little Gem:160,000	45-60 Little Gem: 35-60
Onions					
Summer onions	3.5-4	15-20	750 TK-1 Mio K		120-180
Bunching onions	2-2.5	15-20	2 Mio K		75-100
Peas	200-300	8-14	Early peas: 250 kg Medim peas: 160-200 kg		70-120

TSW = thousand seed weight
≥ = at least
opt. = optimal

< = below
max. = maximum
T/N = day/night
FL = open field

GH = glasshouse
k = seed, TK = 10000 seeds
Mio = million

RA = row spacing
st. = pole
EPT = press pot
T = days

Vegetable species	TSW{g} approx.	Germination temp. (substrate) (°C)	Seed rate(**) for direct sowing (plants/ha)	Stand density(**) at planting (plants/ha) approx.	Cultivation time (**) from sowing/ planting (days) approx.
Pepper	7	≥20 further cultivation 18-22		2-3 plants/m²	harvest starting from 60 days
Red beet normal cultivation	10-15 g/1,000 seed balls; monogerm 7-10	16-22	18-33 kg/approx. 900		120-150
Spinach	12-16	15-20	Leaf spinach: 3Mio K Root spinach: 1Mio K		50-80; if over wintering: 180-210
Squash	30-360 varieties differ	15-20	20 TK	10,000	40-150
Tomatoes	2.5-3.5	opt. 20-24		2-2.5 plants/m²	harvest starting from 60 days
Zucchini	130-200	opt. 22, then 15-18	6kg		10,000

A = beginning
M = middle
E = end

RA = row spacing
I-XII = (Roman numerals) = january - December
lfm = running meter

()** for Northwest European Climatic conditions
* unless mentioned in the corresponding chapter

IMPORTANT NOTICE

The information contained herein presents average results of research and observations done by Amiran Kenya Ltd on varieties grown in optimal conditions. Appearance, traits(resistance/tolerance levels) and characteristics of actual yield, as well as varietal performance in a particular case and/or with the passage of time may be different due to numerous factors not in Amiran Kenya's control such as environmental conditions, growing practices, genetic changes and developments and more. It is clarified that Amiran Kenya makes no representation and gives no warranty respecting the varieties or actual yield. Reference to sowing time, climate suitability etc. is not to be taken as advice or recommendation but merely as general information, the applicability of which should be verified by the user independently. Pictures are for illustrative purposes only.



50

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KENYAN FARMERS



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GALILEA IMPROVED F1

MY CHOICE FOR SUCCESS

VERY STRONG PLANT HABIT
FIRM FRUIT AND EXTENDED SHELF LIFE
EXCELLENT RED COLOUR
EXCEPTIONAL FRUIT SIZE
HIGH FRUIT UNIFORMITY

DESCRIPTION

- Determinate hybrid variety
- Excellent bush plant with high leaves coverage
- Open field & staking growing system
- Early maturity

SHAPE: Oval

WEIGHT(Gr): 140 - 160 / fruit

RESISTANCES*

- Tomato yellow leaf curl virus
- Verticillium wilt
- Fusarium wilt (race 1,2)
- Nematodes
- Tobacco mosaic virus
- Bacterial speck
- Field resistant to Powdery Mildew



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