



Our Knowledge, Your Success.

# THE COMPLETE FARMERS CATALOGUE

FARMING WITH AMIRAN IS ALL ABOUT SUCCESS





# Simple, Successful & Sustainable Agribusiness

The increasing demand for food is creating opportunities for commercial success in the horticulture industry for all level farmers through simple modernized crop production techniques.

These holistic agribusiness techniques bring together high quality inputs, knowledge and know-how, sourced from world leaders in the agricultural field then tailor made especially for the African Farmers by Amiran Kenya.

Bridging the gap by ensuring farmers in Africa have access to world class innovations, our agricultural basket of products includes chemicals, fertilizers, seeds, modern irrigation systems, greenhouse kits, plastics and covers in addition to services such as training, agro-support, on call support assistance and growing guides. The changing weather patterns and emergence of new pests and diseases in the agricultural field has challenged us to continuously research and introduce a range of products to cater to these needs. We ensure our products and services are reachable to the end user through partnerships with local agro dealers and agro-shops in all levels. Complimenting all of these is our teams of professional agronomists that offer the best technical advice aimed at helping Kenya's farming community achieve the best possible yields.

Our core goal is to reduce risks and make farming a simple and rewarding venture by providing farmers with all that is needed for a successful harvest.

As we continue to supply and support Kenya's growers in the floriculture industry, we have placed a large emphasis on the day to day activities of the horticulture and cereal growers with the hope that through these efforts Amiran can play its role in helping to further position our clients in the local and world markets as trust worthy and reliable suppliers through exceptional produce.



**Managing Director, Amiran Kenya**

## OUR LEADING SUPPLIERS

### Our Chemicals & Fertilizers Suppliers



### Our Seeds Suppliers



### Our Plastic Suppliers



### Our Irrigation Solutions Suppliers



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# AMIRAN KNAPSACK SPRAYER





# TABLE OF CONTENTS

## AGROCHEMICALS

INSECTICIDES .....	PG 6
FUNGICIDES .....	PG 12
HERBICIDES .....	PG 18
PLANT NUTRITION .....	PG 21

## SPRAY PROGRAMMES..... PG 25

TOMATO .....	PG 26
POTATO .....	PG 26
CABBAGE .....	PG 28
ONION .....	PG 28
FRENCH BEANS .....	PG 30
CUCURBITS .....	PG 30
COFFEE .....	PG 32
WHEAT.....	PG 32

## HYBRID SEEDS..... PG 34

TOMATO GREENHOUSE	
INDETERMINATE OVAL FRUIT SHAPE .....	PG 35
INDETERMINATE ROUND FRUIT SHAPE .....	PG 36
CHERRY TOMATO .....	PG 36
TOMATO OPEN FIELD	
DETERMINATE OVAL FRUIT SHAPE .....	PG 36
CABBAGE .....	PG 37
BROCCOLI .....	PG 37
SPINACH .....	PG 38
SALAD ONIONS .....	PG 38
LETTUCE .....	PG 38
ONION .....	PG 38
WATERMELON .....	PG 39
SWEET MELON .....	PG 39
CUCUMBER .....	PG 40
SWEET PEPPER .....	PG 40
HOT PEPPER.....	PG 41
EGGPLANT .....	PG 41
PEA .....	PG 41
BEAN .....	PG 42
OPEN POLLINATED VEGETABLES .....	PG 43

## AGRO TECHNOLOGY ACCESSORIES ..... PG 44



# INSECTICIDES

Insecticides are agents of chemical or biological origin used to control insects by killing them or deterring them from feeding or preventing undesirable or destructive insect behaviour. Insecticides are classified according to the method of application and by the way they enter the insect's body. Many insecticides take effect in more than one way and target more than one insect.

## **STOMACH INSECTICIDES**

Are applied on the surface of plants or are added to the bait. The insecticide is eaten along with the food material by insects that chew such as caterpillars.

## **CONTACT INSECTICIDES**

Are sprayed or dusted on the insect's body. The poison is absorbed through the body wall. Most soft-bodied insects are vulnerable to contact insecticides. With a wide array of field proven products from world renowned leaders, Amiran Kenya is providing farmers with cost effective solutions to all fungal problems for a better crop yield.

## **FUMIGANTS**

Are insecticidal gases. Insects that lurk out of reach of sprays are killed when they breathe the gas. In addition, the soil may be fumigated to destroy grubs or wire worms that attack roots.

## **RESIDUAL INSECTICIDES**

Are applied to foliage and they have a long lasting effect as they remain on the surface for a longer time. Insects absorb deadly doses by touching the poisoned surface.

## **SYSTEMIC INSECTICIDES**

Are absorbed by plant tissues, so that when insects feed on the sap they are controlled.

## **NB**

 Indicates Bio-solutions



## CONTROL OF THRIPS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
ACE 75 SP	Acephate 750g/Kg	Foliar spray: 10-15g/20L	Systemic
ASTER EXTRIM 20 SL	Acetamiprid 150g/L + Cypermethrin 50g/L	Foliar spray: 10ml/20L	Contact & Systemic
CYRUX 10 EC	Alpha Cypermethrin 100g/L	Foliar spray: 10ml/20L	Contact, non systemic
GOLAN 20 SP	Acetamiprid 200g/L	Foliar spray: 5g/20L	Systemic, ovicidal activity
GRIZLY 175/30 SC	Imidacloprid 175g/L + Novaluron 30g/L	Foliar spray: 10ml/20L	Contact & Systemic
KESHET 2.5 EC	Deltamethrin 25g/L	Foliar spray: 15-20ml/20L	Contact
KOHINOR 200 SL	Imidacloprid 200g/L	"Foliar spray: 10ml/20L Soil drench: 0.3-0.5ml/4L/sq.m."	Systemic
LAMBDEX 5 EC	Lambdacyhalothrin 50g/L	Foliar spray: 10ml/20L	Contact
LEVO 2.4 SL	Prosuler Oxymatrine 2.4%	Foliar spray: 10ml/20L	Contact
NEEM RAJ SUPER-3000	Azadiractin 0.3%EC	Foliar spray: 20ml/20L	Anti moulting/ repellent
PROVE 1.92 EC	Emamectin Benzoate 19.2g/L	Foliar spray: 10ml/20L	Non systemic/translaminar
SAF-T-SIDE 800 EC	Paraffinic oil 80%	Foliar spray: 80ml/20L	Suffocation



## CONTROL OF APHIDS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
ACE 75 SP	Acephate 750g/Kg	Foliar spray: 10-15g/20L	Systemic
ASTER EXTRIM 20 SL	Acetamiprid 150g/L + Cypermethrin 50g/L	Foliar spray: 10ml/20L	Contact & Systemic
CYRUX 10 EC	Alpha Cypermethrin 100g/L	Foliar spray: 10ml/20L	Contact, non systemic
DIAZOL 60 EC	Diazinon 600g/L	Foliar spray: 20-30ml/20L	Contact
GOLAN 20 SP	Acetamiprid 200g/L	Foliar spray: 5g/20L	Systemic, Translaminar
GRIZLY 175/30 SC	Imidacloprid 175g/L + Novaluron 30g/L	Foliar spray: 10ml/20L	Contact & Systemic
KESHET 2.5 EC	Deltamethrin 25g/L	Foliar spray: 15-20ml/20L	Contact
KOHINOR 200 SL	Imidacloprid 200g/L	"Foliar spray: 10ml/20L Soil drench: 0.3-0.5ml/4L/sq.m."	Systemic
LAMBDEX 5 EC	Lambdacyhalothrin 50g/L	L Foliar spray: 10ml/20L	Contact
LEVO 2.4 SL	Prosuler Oxymatrine 2.4%	Foliar spray: 10ml/20L	Contact
NEEM RAJ SUPER 3000	Azadiractin 0.3%	Foliar spray: 20ml/20L	Contact/anti moulting/repellent
PYRINEX 48 EC	Chloropyrifos 480g/L	Foliar spray: 40ml/20L	Contact
PYRINEX QUICK 256 ZC	Chloropyrifos 250g/L + Deltamethrin 6g/L	Foliar spray: 25ml/20L	Contact





## CONTROL OF WHITE FLIES

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
ACE 75 SP	Acephate 750g/Kg	Foliar spray: 10-15g/20L	Systemic
ASTER EXTRIM 20 SL	Acetamiprid 150g/L + Cypermethrin 50g/L	Foliar spray: 10ml/20L	Contact & Systemic
CYRUX 10 EC	Alpha Cypermethrin 100g/L	Foliar spray: 10ml/20L	Contact, non systemic
GOLAN 20 SP	Acetamiprid 200g/L	Foliar spray: 5g/20L	Systemic, Translaminar
GRIZLY 175/30 SC	Imidacloprid 175g/L + Novaluron 30g/L	Foliar spray: 10ml/20L	Contact & Systemic
KESHET 2.5 EC	Deltamethrin 25g/L	Foliar spray: 15-20ml/20L	Contact
KOHINOR 200 SL	Imidacloprid 200g/L	"Foliar spray: 10ml/20L Soil drench: 0.3-0.5ml/4L/sq.m."	Systemic
LAMBDEX 5 EC	Lambdacyhalothrin 50g/L	Foliar spray: 10ml/20L	Contact
LEVO 2.4 SL	Prosuler Oxymatrine 2.4%	Foliar spray: 10ml/20L	Contact, mobile stages
NEEM RAJ SUPER-3000	Azadiractin 0.3%	Foliar spray: 20ml/20L	Contact/anti moulting/ repellant
SAF-T-SIDE 800 EC	Paraffinic oil 80%	Foliar spray: 80ml/20L	Suffocation



## CONTROL OF MEALY BUG

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
ASTER EXTRIM 20 SL	Acetamiprid 150g/L + Cypermethrin 50g/L	Foliar spray: 10ml/20L	Contact & Systemic
DIAZOL 60 EC	Diazinon 600g/L	Foliar spray: 20-30ml/20L	Contact
GOLAN 20 SP	Acetamiprid 200g/L	Foliar spray: 5g/20L	Systemic
GRIZLY 175/30 SC	Imidacloprid 175g/L + Novaluron 30g/L	Foliar spray: 10ml/20L	Contact & Systemic
KESHET 2.5 EC	Deltamethrin 25g/L	Foliar spray: 15-20ml/20L	Contact
KOHINOR 200 SL	Imidacloprid 200g/L	"Foliar spray: 10ml/20L Soil drench: 0.3-0.5ml/4L/sq.m."	Systemic
LAMBDEX 5 EC	Lambdacyhalothrin 50g/L	Foliar spray: 10ml/20L	Contact
PYRINEX 48 EC	Chloropyrifos 480g/L	Foliar spray: 40ml/20L	Contact
SAF-T-SIDE 800 EC	Paraffinic oil 80%	Foliar spray: 80ml/20L	Suffocant



## CONTROL OF TERMITES

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
KOHINOR 200 SL	Imidacloprid 200g/L	Drench: 25ml/10L/Mould hill	Farmland
PYRINEX 48 EC	Chloropyrifos 480g/L	Nest drench: 400ml/5L/sq.m.	Timber/Posts
		Post dip/spray: 400ml/5L	Farmland





## CONTROL OF LEAF MINER

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
ACE 75 SP	Acephate 750g/Kg	Foliar spray: 10-15g/20L	Systemic
ASTER EXTRIM 20 SL	Acetamiprid 150g/L + Cypermethrin 50g/L	Foliar spray: 10ml/20L	Contact & Systemic
AVIRMEC 1.8 EC	Abamectin 18g/L	Foliar spray: 10ml/20L	Translaminar
CYRUX 10 EC	Alpha Cypermethrin 100g/L	Foliar spray: 10ml/20L	Contact, non systemic
GOLAN 20 SP	Acetamiprid 200g/L	Foliar spray: 5g/20L	Systemic, Ovicidal activity
GRIZLY 175/30 SC	Imidacloprid 175g/L + Novaluron 30g/L	Foliar spray: 10ml/20L	Contact & Systemic
KOHINOR 200 SL	Imidacloprid 200g/L	"Foliar spray: 10ml/20L Soil drench: 0.3-0.5ml/4L/sq.m."	Systemic
PROVE 1.92 EC	Emamectin Benzoate 19.2g/L	Foliar spray: 10ml/20L	Non systemic/translaminar



## CONTROL OF SPIDERMITES

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AMISIL	"Polyalkyleneoxide modified Heptamethyl trisilixane 80%"	Foliar spray: 10-15ml/20L	Organosilicone
APOLLO 50 SC	Clofentazine 500g/L	Foliar spray: 15ml/20L	Contact, immature stages
AVIRMEC 1.8 EC	Abamectin 18g/L	Foliar spray: 10ml/20L	Translaminar, mobile stages
LEVO 2.4 SL	Prosuler Oxymatrine 2.4%	Foliar spray: 10ml/20L	Contact, mobile stages
NISSORUN 100 EC	Hexythiazox 100g/L	Foliar spray: 10ml/20L	Contact, immature stages
SAF-T-SIDE 800 EC	Paraffinic oil 80%	Foliar spray: 80ml/20L	Suffocation



## CONTROL OF NEMATODES

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
FENOMEN 400 EC	Fenamiphos 400g/L	Soil drench: 20-24L/Ha	Contact & Systemic
FERTIGOLD	Organic matter 60-80% organic carbon 30-40% CA, Mg, S + TE	1-2ton/Ha or 500g per running metre	Contact
NEEM RAJ SUPER	Azadiractin 0.3%	Soil drench: 3L/Ha	Contact/anti moulting/ repellent
ROOTCAP	Ethoprophos 10g/KG	32Kg/ Acre or 2g per hole	Contact



## CONTROL OF DIAMOND BACK MOTH AND OTHER CATERPILLARS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
DIAZOL 60 EC	Diazinon 600g/L	Foliar spray: 100ml/100L	Contact
DIVIPAN 100 EC	Dichlorvos 100g/L	Foliar spray: 100-200ml/100L	Contact, Vapour activity
KESHET 2.5 EC	Deltamethrin 25g/L	Foliar spray: 50ml/100L	Contact
LAMBDEX 5 EC	Lambdacyhalothrin 50g/L	Foliar spray: 35ml/100L	Contact
LEVO 2.4 SL	Prosuler Oxymatrine 2.4%	Foliar spray: 40ml/100L	Contact, Antirepellant, Antifeedant
PROVE 1.92 EC	Emamectin Benzoate 19.2g/L	Foliar spray: 50ml/100L	Contact/translaminar



## CONTROL OF TUTA ABSOLUTA

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
GRIZLY 175/30 SC	Imidacloprid 175g/L + Novaluron 30g/L	Foliar spray: 10ml/20L	Contact/Systemic
LEVO 2.4 SL	Prosuler Oxymatrine 2.4%	Foliar spray: 10ml/20L	Contact, Antirepellant, Antifeedant
PROVE 1.92 EC	Emamectin Benzoate 19.2g/L	Foliar spray: 10ml/20L	Contact/translaminar

## CERATRAP *Control of Fruit Flies*

### A New Biological Solution for the control of Fruit Flies

- Increase productivity as fruit flies have been known to destroy fruits.
- Improve the quality of fruits exported.
- 100% ecologically solution
- Good value for the money





# AMIRAN OPEN FIELD IRRIGATION SOLUTIONS

AN INTEGRATED SHIFT FROM RAIN FED AGRICULTURE TO  
BRAIN FED AGRICULTURE

90 m<sup>2</sup> | 150 m<sup>2</sup> | 250 m<sup>2</sup> | 500 m<sup>2</sup> | 500 m<sup>2</sup> | 1000 m<sup>2</sup> | 5 acre tailor made  
projects.

A complete set of tools for sustainable farming may be offered in addition, according to **farmers needs**.  
These include Chemicals, Fertilizers, Seeds e.t.c

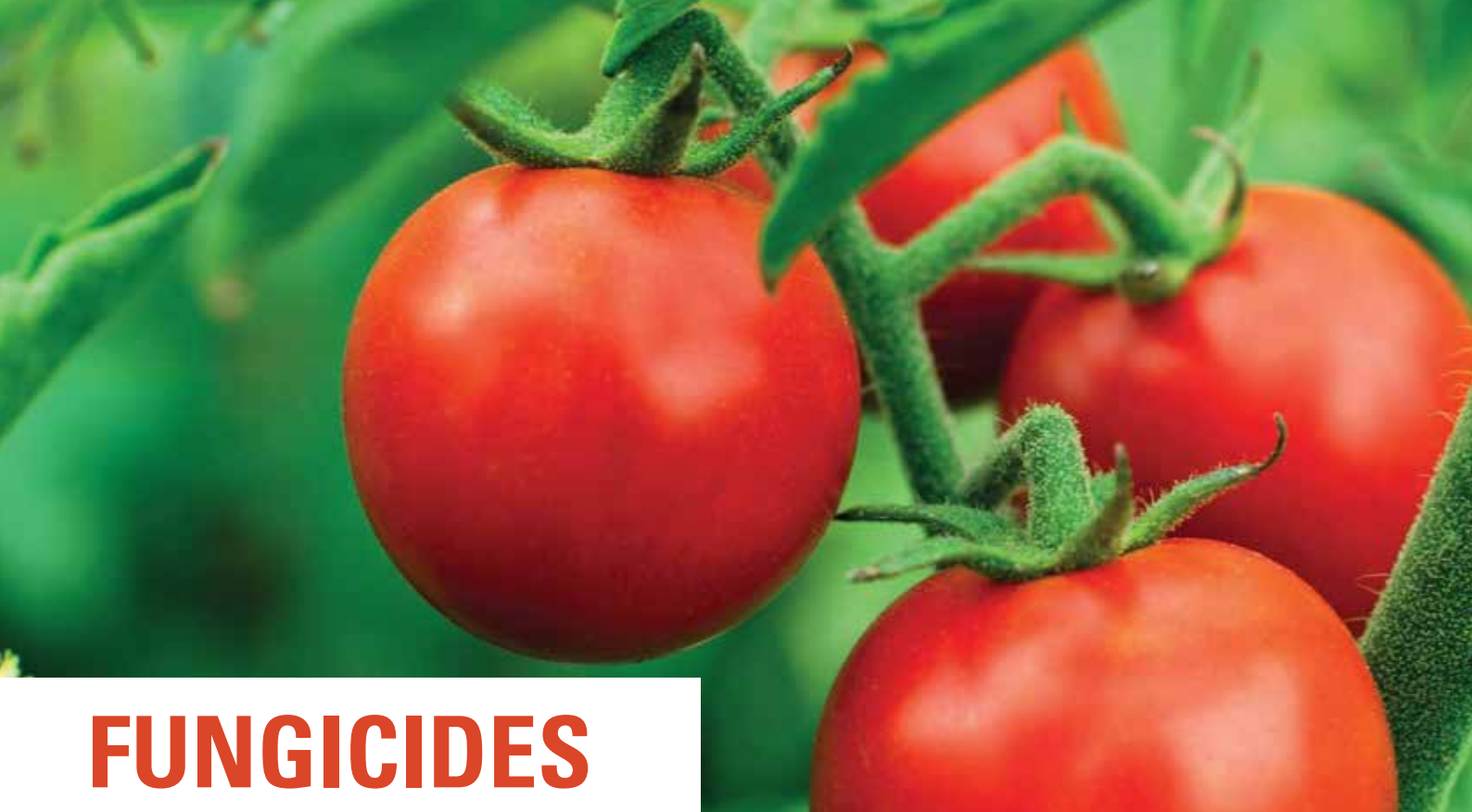


For more enquiries on **irrigation solutions**  
and their associated accessories;

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+254 (0) 734 929 246

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# FUNGICIDES

A fungicide is a specific type of pesticide (chemical or biological in origin) that controls fungal disease by inhibiting the growth of fungal spores or killing the fungus causing the disease. Different crops are affected by different fungi.

One fungal disease can affect more than one crop, similarly, a crop can be affected by more than one fungal disease

Fungicides can be **Preventive** (used before the disease sets in) or **Curative** (used after the disease sets in) or both Preventive and Curative.

Fungicides are further categorized into contact, translaminar or systemic:

### **CONTACT FUNGICIDES:**

Are not taken up into the plant tissue, and protect only the plant where the spray is deposited

### **TRANSLAMINAR FUNGICIDES:**

Redistribute the fungicide from the upper, sprayed leaf surface to the lower, unsprayed surface.

### **SYSTEMIC FUNGICIDES:**

Are taken up and redistributed through the xylem vessels. Some are locally systemic, and some move upwardly.

With a wide array of field proven products from world renowned leaders, Amiran Kenya is providing farmers with cost effective solutions to all fungal problems for a better crop yield.

### **NB:**

 Indicates Bio-solutions





## CONTROL OF LATE BLIGHT

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AGRIXYL 407	Monopotassium phosphite 40% + Metalaxyl 7%	Foliar Spray: 50ml/20L	Very systemic/curative
AMICOP 50 WP	Copper oxychloride 50% metallic copper	Foliar Spray: 50g/20L	Contact/protective, start early
AMIMAX 72 WP	Cymoxanil 8%+ Mancozeb 64%	Foliar Spray: 40g/20L	Systemic/translaminar
EMTHANE M-45	Mancozeb 80%	Foliar Spray: 50g/20L	Contact/protective, start early
FUNGURAN OH 50 WP	Copper hydroxide 77%	Foliar Spray: 50g/20L	Contact/protective, start early
ODEON 82.5 WDG	Chlorothalonil 82.5g/Kg	Foliar Spray: 30g/20L	Contact/protective, start early
SPHINX EXTRA 713 WDG	Dimethomorph 113g/Kg + folpet 600g/Kg	Foliar Spray: 40g/20L	Systemic / Curative/Eradicant/Protectant
VICTORY 72 WP	Metalaxyl 80g/Kg + Mancozeb 640g/Kg	Foliar Spray: 50g/20L	Very systemic/curative



## CONTROL OF DOWNY MILDEW

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AMIMAX 72 WP	Cymoxanil 8%+ Mancozeb 64%	Foliar Spray: 40g/20L	Systemic/translaminar
EMTHANE M-45 WP	Mancozeb 80%	Foliar Spray: 50g/20L	Contact/protective, start early
ODEON 82.5 WDG	Chlorothalonil 82.5g/Kg	Foliar Spray: 30g/20L	Systemic / translaminar
SPHINX EXTRA 713 WDG	Dimethomorph 113g/kg + Folpet 600g/kg	Foliar Spray: 40g/20L	Systemic / Curative/Eradicant/Protectant
VICTORY 72 WP	Metalaxyl 80g/Kg + Mancozeb 640g/Kg	Foliar Spray: 50g/20L	Very systemic/curative



## CONTROL OF LEAF RUST

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AMICOP 50 WP	Copper oxychloride 50% metallic Copper	Foliar Spray: 50g/20L	Contact/protective, start early
EMTHANE M-45 80 WP	Mancozeb 80%	Foliar Spray: 50g/20L	Contact/protective, start early
NORDOX SUPER 75 WP	Cuprous oxide (equivalent to 75% metallic copper)	Foliar Spray: 2.4Kg/Ha	
ODEON 82.5 WDG	Chlorothalonil 82.5g/Kg	Foliar Spray: 30g/20L	Contact/protective, start early
ORIOUS 25EW	Tebuconazole 250g/L	Foliar Spray: 10-15ml/20L	Systemic / Curative
OTHELLO 250 WDG	Azoxystrobin 250g/Kg	Foliar Spray: 10g/20L	Systemic / Curative
SAF T SIDE 800 EC	Paraffinic Oil 800g/L	Foliar Spray: 80ml/20L	Suffocation
SHAR COMBI 280 SC	Azoxystrobin 200g/L + Cyproconazole 80g/L	Foliar Spray: 10ml/20L	Preventive / Curative
SOPRANO 250 SC	Epoxiconazole 125g/Lt + Carbendazim 125g/Lt	Foliar spray: 15-20ml/20L	Systemic / Curative
SULFOLAC 80WG	Sulphur 800g/Kg	Foliar spray: 40g/20L	Contact/protective



## CONTROL OF POWDERY MILDEW

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
GOLDAZIM 500 SC	Carbendazim 500g/L	Foliar Spray: 20ml/20L	Systemic / Curative
NIMROD 25 EC	Bupirimate 250g/L	Foliar Spray: 50ml/20L	Systemic / Curative
OTHELLO 250 WDG	Azoxystrobin 250g/Kg	Foliar Spray: 10g/20L	Systemic / Curative
SAF-T-SIDE 800 EC	Paraffinic oil 80%	Foliar Spray: 80ml/20L	Suffocation
SULFOLAC 80WG	Sulphur 800g/Kg	Foliar spray: 40g/20L	Contact/protective



## CONTROL OF SEPTORIA LEAF SPOTS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
EMTHANE M-45 WP	Mancozeb 80%	Foliar Spray: 50g/20L	Contact/protective, start early
FUNGURAN-OH 50 WP	Copper hydroxide 77%	Foliar Spray: 50g/20L	Contact/protective, start early
GOLDAZIM 500 SC	Carbendazim 500g/L	Foliar Spray: 20ml/20L	Systemic / Curative
ODEON 82.5 WDG	Chlorothalonil 82.5g/Kg	Foliar spray: 30g/20L	Contact/protective, start early
ORIOUS 25 EW	Tebuconazole 250g/L	Foliar Spray: 10-15ml/20L	Systemic / Curative
SOPRANO C 250 SC	Epoxiconazole 125g/Lt + Carbendazim 125g/Lt	Foliar Spray: 15-20ml/20L	Systemic / Curative





## CONTROL OF ANTHRACNOSE SPOTS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AMICOP 50 WP	Copper oxychloride 50% metallic Copper	Foliar Spray: 50g/20L	Contact/protective, start early
FUNGURAN-OH 50 WP	Copper hydroxide 77%	Foliar Spray: 50g/20L	Contact/protective, start early
GOLDAZIM 500 SC	Carbendazim 500g/L	Foliar Spray: 20ml/20L	Systemic / Curative
ODEON 82.5 WDG	Chlorothalonil 82.5g/Kg	Foliar Spray: 30g/20L	Contact/protective, start early
SULFOLAC 80WG	Sulphur 800g/Kg	Foliar spray: 40g/20L	Contact/protective



## CONTROL OF ASCOCHYTA SPOTS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
GOLDAZIM 500 SC	Carbendazim 500g/L	Foliar Spray: 20ml/20L	Systemic / Curative



## CONTROL OF ALTERNARIA LEAF SPOTS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AMICOP 50 WP	Copper oxychloride 50% metallic Copper	Foliar Spray: 50g/20L	Contact/protective, start early
ODEON 82.5 WDG	Chlorothalonil 82.5g/Kg	Foliar Spray: 30g/20L	Contact/protective, start early



## CONTROL OF FUSARIUM ROOT ROT

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
GOLDAZIM 500 SC	Carbendazim 500g/L	"Soil drench: 5-10L/sq.m. of 100ml/100L soln. Propague drip: 200ml/100L"	Systemic / Curative
TRIANUM	Trichoderma harzianum strain T22	Soil drench: 2.5Kg/Ha	Preventive



## CONTROL OF PHYTOPHTHORA & PYTHIUM ROOT ROT

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
ODEON 82.5 WDG	Chlorothalonil 82.5g/Kg	Foliar Spray: 30g/20L	Contact/protective, start early
VICTORY 72 WP	Metalaxyl 80g/Kg + Mancozeb 640g/Kg	Soil drench: 2.5Kg/Ha	Very systemic/curative



## CONTROL OF RHIZOCTONIA ROOT ROT

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
GOLDAZIM 500 SC	Carbendazim 500g/L	Propague drip: 200ml/100L	Systemic / Curative



## CONTROL OF GENERALIZED LEAF SPOTS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AMICOP 50 WP	Copper oxychloride 50% metallic Copper	Foliar Spray: 50g/20L	Contact/protective, start early
EMTHANE M-45	Mancozeb 80%	Foliar Spray: 50g/20L	Contact/protective, start early
FUNGURAN-OH 50 WP	Copper hydroxide 77%	Foliar Spray: 50g/20L	contact/protective, start early
GOLDAZIM 500 SC	Carbendazim 500g/L	Foliar Spray: 20ml/20L	Systemic / Curative



## CONTROL OF HELMINTHOSPORIUM SPOTS/BLIGHT

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
GOLDAZIM 500 SC	Carbendazim 500g/L	Foliar Spray: 20ml/20L	Systemic / Curative
ORIOUS 25 EW	Tebuconazole 250g/L	Foliar Spray: 10-15ml/20L	Systemic / Curative
SOPRANO C 250 SC	Epoxiconazole 125g/Lt + Carbendazim 125g/Lt	Foliar Spray: 15-20ml/20L	Systemic / Curative



## CONTROL OF AGROBACTERIUM & BACTERIAL SPOTS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AMICOP 50 WP	Copper oxychloride 50% metallic Copper	Foliar Spray: 50g/20L	"Contact/protective, start early"
FUNGURAN-OH 50 WP	Copper hydroxide 50% metallic Copper	"Painting: Make a thick paste Foliar Spray: 50g/20L"	"Contact/protective, start early"



## SEED DRESSERS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
BROAD HACTARE ZnCu	60%Zn, 15%Cu, 10%Germination booster	Dress with 400ml/100kg seed	Contact
SEED PLUS 30 WS	Imidacloprid 10% + Carbendazim 10% + Metalaxyl 10%	Dress with 250g/100kg seed	Contact/Systemic





# HERBICIDES

Herbicides are pesticides used to kill or inhibit the growth of unwanted plants (weeds).

Commonly known as weed-killers, herbicides are categorized into selective and non-selective:

## **SELECTIVE HERBICIDES**

Kill specific weed targets, while leaving the desired crop relatively unharmed

## **NON-SELECTIVE**

Kill all plant material which they come into contact with.

Some of these herbicides act by interfering with the growth of the weed and are often synthetic mimics of natural plant hormones. They can be foliage-applied or soil herbicides, pre-emergent or post-emergent.

Contact herbicides kill only the plant organs with which they are in contact.

Translocated herbicides are effective against roots or other organs, to which they are transported from aboveground treated surfaces (soil).

Amiran Kenya is providing farmers with cost effective solutions through outstanding products to help in all weed problems for improved crop yields.





## SELECTIVE HERBICIDES - HORTICULTURE

Product	Active Ingredient(s)	Target crop and weed	Recommended application timing for crop	Weeds growth stages	Recommended rate	Duration of treatment effectiveness
AGIL 100 EC	Propaquizafop 100g/L	A wide range of annual and perennial grass weeds on Legumes.	Post emergence control when the crop reached 4 - 6 leaf stage	2 - 4 Leaf stage	100ml/20L	10 - 20 days, depending on climatic condition
GALIGAN 240 EC	Oxyfluorfen 240g/L	Broad leaved and grass weeds in Onion fields; tomatoes and cabbages; for the control of broad leaf and grass weeds in pineapples except cyperus sp, setaria spp, dactyloctenium sp.	<b>Tomato &amp; Cabbage:</b> apply 1 week prior to transplanting <b>Onions:</b> apply 1 week after transplanting	Broad leaved weeds 10cm high, annual grasses 1-2 leaf stage	50ml/20L	2-3 weeks
LINAGAN 50 WP	Linuron 500g/Kg	Annual broad-leaved and grass weeds in Onions, maize, beans, carrots, potatoes.	*see comment below	"Weeds are in the 2 – 3 leaf stage "	60-80g/20L	12 - 16 days in cold or dry weather

### Linagan 50 WP

**Carrots:** At 4 leaf stage of crops.

**Beans:** Apply within 24 hrs of planting (i.e before radicle sprouts)

**Maize:** As pre-emergence - apply immediately after transplanting

**Onions:** 1-2 weeks after transplanting

**Potatoes:** Apply after planting but before emergence of crop

## NON-SELECTIVE HERBICIDES

Product	Active Ingredient(s)	Target crop and weed	Recommended application timing for crop	Weeds growth stages	Recommended rate	Duration of treatment effectiveness
GLYPHOGAN 480 SL	Glyphosate acid 360 g/L	Broad leaf weeds & grasses in zero/ minimum tillage & sedge, annual & perennial weeds	Non selective	Non selective	200-600ml/20L	7 days
PANGA 480SL	Glyphosate acid 360 g/L	Broad leaf weeds & grasses in zero/ minimum tillage & sedge, annual & perennial weeds	Non selective	Non selective	200ml/20L	1-2 weeks
TORDON 101	Picloram 65g/L + 2,4 Dichlorophenoxy acetic acid 240g/L	Annual and perennial broadleaved weeds in non crop area ie roads, railway lines and pastures (bush cleaning)	Post emergence	Weeds are actively growing	200-300ml/20L	1-2 weeks
ZOOMER FAST 360 SC	360g/l glyphosate + 30g/l Oxyfluorfen	Broad Leaf weeds & grasses in zero/ minimum tillage & sedge, annual & perennial weeds	Non selective	Non selective	200ml/20L	4 days





## SELECTIVE HERBICIDES IN CEREALS

Product	Active Ingredient(s)	Target crop and weed	Recommended application timing for crop	Weeds growth stages	Recommended rate	Duration of treatment effectiveness
ARIANE	Fluroxypyr 60g/L + Clopyralid 23.3g/L + MCPA – 266.7g/L	Herbicide to control broad leaved weeds in cereals.	3- leaf stage up to booting.	2 – 10 leaf stage. Perennial weeds should be at 10 – 15 cm tall at the application.	100ml – 150ml/20L	2-3 weeks
BADGE 45 EC	Bromoxynil 225g/L + MCPA 225g/L	Broad leaved weeds in wheat and Barley	"The cereal seedlings should be between the 3-leaf and the end of the stooling stage. Do not spray before the 3-leaf stage and from the beginning of the tillering stage onwards. "	"At 2 - 4 leaf stage. The younger the weeds are and more actively they are growing the lower the dosage. When the weeds are reaching the 6-leaf stage and when growth is slowed down by drought, the higher rate should be used. "	125-140ml/20L	2-3 weeks
CLODIGAN 240 EC	Clodinafop-propargyl 240g/L	Annual grasses in wheat.	Post emergence	3-4 leaf stage	40-60ml/20L	2-3weeks
KIBOKO SUPER 75 EW	Fenoxaprop-ethyl 75g/L	Annual grass weeds in wheat and barley.	Wheat is 2-5 true leaves(3-4 weeks)	Weeds actively growing up to 4 total leaves	100ml/20L	2-3 weeks
LANCELOT 450 WG	Aminopyralid 300g/kg + Florasulam 150g/kg	Annual broadleaf weeds in wheat	Post emergence		30-33g/Ha	
PALLAS 45 OD	Pyroxsulam 45g/L	Broad spectrum annual grass and broadleaf weed control in wheat.	Post emergence	1-5 leaf stage	50ml/20L	2-4weeks
SIGMA COMBI 50 SC	Acetalachlor 250g/L + Atrazine 250g/L	Annual broadleaf weeds and grasses in Maize.	Pre emergence of crops	Pre emergence of weeds	300-400ml/20L	2-3 weeks
SINE 4D 720 SL	2,4 D-Amine 720g/L	Broad leaved weeds in wheat and maize.	5-6 leaves untill tillering	Weeds are actively growing	150-300ml/20L	1-2 weeks







# PLANT NUTRITION

Plant nutrition refers to the need for basic chemical elements for plant growth and the interrelated steps by which a living organism assimilates food and uses it for growth and replacement of tissue.

## **What are fertilizers?**

Think of fertilizers as plant food. Fertilizers are combination of the nutrients that plants must have to grow, in a form they can use. The primary nutrients in fertilizers are three essential elements: **Nitrogen (N), Phosphorus (P) and Potassium (K)**, which are often combined into an **NPK blend**.

**Secondary Nutrients** (Sulphur, Calcium and Magnesium) are needed in smaller amounts for normal plant growth.

**Micronutrients** are also needed but in even smaller quantities. Micronutrients include **Boron, Chlorine, Copper, Iron, Manganese, Molybdenum, Nickel and Zinc**.

These plant nutrients can be supplied through organic fertilizers such as plant residues or livestock manure, or mineral fertilizers, which are chemically processed to meet crop needs.

A deficiency in any nutrient whether primary, secondary or micro-nutrients affects the yields directly.

Amiran Kenya provides the best nutritional management solutions to help in crop enhancement ensuring crops grown reach their full potential.



## SOLUBLE GRADE FERTILIZERS (FOR DRIP IRRIGATION AND FOLIAR SPRAY)

PRODUCT	PRODUCT SPECS
MULTI npK	13%N + 2% P <sub>2</sub> O <sub>5</sub> + 44%K <sub>2</sub> O
POLYFEED (NPK - 15:30:15 + 2MgO + TE)	15N%+30% P <sub>2</sub> O <sub>5</sub> +15%K <sub>2</sub> O +2MgO +TE; Starter
POLYFEED (NPK - 18:9:27 + 2MgO + TE)	18N%+9% P <sub>2</sub> O <sub>5</sub> +27%K <sub>2</sub> O+2%MgO+TE; Finisher
POLYFEED (NPK - 19:19:19 + 2MgO + TE)	19N%+19% P <sub>2</sub> O <sub>5</sub> +19%K <sub>2</sub> O+ 1%MgO +TE; Standard, all stages
POLYFEED (NPK - 26:12:12 + 2MgO + TE)	26N%+12% P <sub>2</sub> O <sub>5</sub> +12%K <sub>2</sub> O +2%MgO +TE; Vegetative stage
POLYCOFFEE (N.P.K - 19:19:19 + Zn, B, Fe, Mn, Cu, Mo)	19N%+19% P <sub>2</sub> O <sub>5</sub> +19%K <sub>2</sub> O +TE; (High Zinc content)

## FIELD GRADE FERTILIZER

PRODUCT	PRODUCT SPECS
ECOGRL	39.6%Ca, 87.3%CaCO <sub>3</sub> , 1.13% Mg, 3.27% MgCO <sub>3</sub> , 0.97%Fe <sub>2</sub> O <sub>3</sub> , 0.19%K <sub>2</sub> O
NITRABOR	25.6%CaO +15.4%N+0.3%B
YARAMILA WINNER	3%N+15%P <sub>2</sub> O <sub>5</sub> +22%K <sub>2</sub> O+ TE +Lime
MICROSTAR	12%N, 43% P <sub>2</sub> O <sub>5</sub> , 2% MgO, 11% SO <sub>3</sub> , 0.7% Zn
MULTICOTE (14:14:14) + TE	14%N +14%P <sub>2</sub> O <sub>5</sub> +14%K <sub>2</sub> O+ TE; Controlled release for 4 months
MULTICOTE (15:7:25) + TE	15%N +7% P <sub>2</sub> O <sub>5</sub> +25%K <sub>2</sub> O+ TE; Controlled release for 8 months

## SPECIAL NUTRITIONAL PRODUCTS

PRODUCT	SPECIFICATIONS	MODE / RATE OF USE	REMARKS
BROAD HACTRE	60.0%Zn,15.0%Cu, 10.0% Germination booster	Seed treatment: 4L/Ton of seeds Foliar: 10ml/20L at 3 - 4 leaf stage	High analysis Zinc and copper suspension with germination booster to ensure plants get healthy and vigorous start
GROWCAL MGB	17.0% Ca,10.0%N, 4.0%Mg, 0.2%B	Drip: 2.0L/Ha Foliar: 50ml/20L	Foliar and drip Ca supplementary feeding
SUPER NITRO HUMIX	42.0% Microcapsulated Liquid Nitrogen + 3% Humic Acid	Foliar: 40 - 70ml/20L	High analysis liquid Nitrogen with added urease and nitrification inhibitors providing a slow even delivery of Nitrogen and uniform growth
POTASSIUM SILICATE	20.0% Silica, 15.0% Potassium, 1.0% Humic Acid	Drip: 5.0-7.0L/Ha Foliar: 40-60ml/20L	Soluble Potassium silicate with humic acid to improve cellular structure, reduce stress and increase disease resistance
UREA PHOSPHATE	18%N + 44%P <sub>2</sub> O <sub>5</sub>	Top dressing- 100 - 130Kg/Ha Fertigation- 70 - 100 ppm	Field grade fertilizer Green house fertilizer

## MICRO ELEMENTS

PRODUCT	SPECIFICATIONS	MODE / RATE OF USE	REMARKS
SUPER BORON	Heavy suspension concentrate	15%B & 6.5%N	Supplies B (10-20ml/20L)
SUPER TRACE	Organic acids	3.3%N,1.6%Fe,1.8% Zn, 1.4%Mg,1.3%Mn, 0.6 Cu, 4.8%S, 0.6%B, 0.03%Mo	All trace elements
ZINC 70	Heavy suspension concentrate	70% Zn	Supplies Zn (10-20ml/20L)



## BIOSTIMULANTS/SYNERGIZERS

PRODUCT	SPECIFICATIONS	MODE / RATE OF USE	REMARKS
HUMIX SUPER	26% Humic Acid (as potassium humate)	Drenching: 1.5-2.0L/Ha/fortnight Field: 50ml/20L	Organic catalyst that stimulates growth and increases OM content
PROMINENT	Mg 10.2g/L, EDTA Fe 5.7g/L, EDTA Mn 2.8g/L, EDTA Zn 1.7g/L, EDTA Cu 2.9g/L, Mo 0.04g/L, S 13.8g/L, Auxins 8.8mg/L, Cytokinins 0.025mg/L	Foliar Spray: 40-80ml/20L	Unique combination of 80% KELPAK (cytokinins and auxins) and 20% chelated micro nutrients
QUICELLUM	Bioactivator	Foliar Spray: 10ml/20L	Corrector of multiple deficiencies

## ADJUVANTS

PRODUCT	ACTIVE INGREDIENT	MODE / RATE OF USE	REMARKS
AMISIL	Polyalkyleneoxide modified Heptamethyl trisilixane 80%	Foliar: 0.2ml/L	Spreader/sticker for use on outdoor/indoor crops
SUPAFILM	Glycoethers, fatty acids, spreading and wetting agents	Foliar: 5ml/20L	Spreader/sticker

## BIORATIONAL PRODUCTS

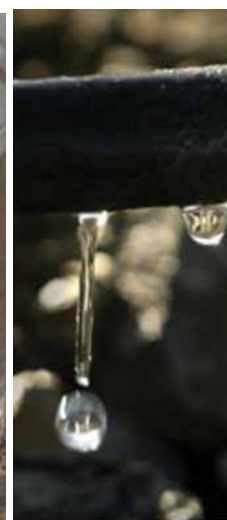
PRODUCT	ACTIVE INGREDIENT	RATE OF USE	REMARKS
SUPER LINK	Organic component	Foliar spray: 200ml/100L(0.2%)	Penetrant with translaminar & systemic pesticides & therefore improves performance
	Organic component	Injection into fertigation system: 200ml/100L(0.2%)	Cleans drip lines when used on routine basis
	Organic component	Fertilizer/ pesticide compatibility agent: 200ml/100L(0.2%)	Increases fertilizers/pesticide compatibility



MAP + CaNO<sub>3</sub>



MAP + CaNO<sub>3</sub> + Supalink



## ROOTING HORMONES

PRODUCT	ACTIVE INGREDIENT	REMARKS
HOMORIL-T6	IBA 0.6% powder	Semi-hard cuttings

# AMIRAN GREENHOUSE

EQUIPPING FARMERS WITH ADVANCED FARMING TECHNOLOGY



8 x 24 m | 8 x 15 m | 6 x 12 m | 10 x 15 m | 10 x 24 m (with fixed vent)

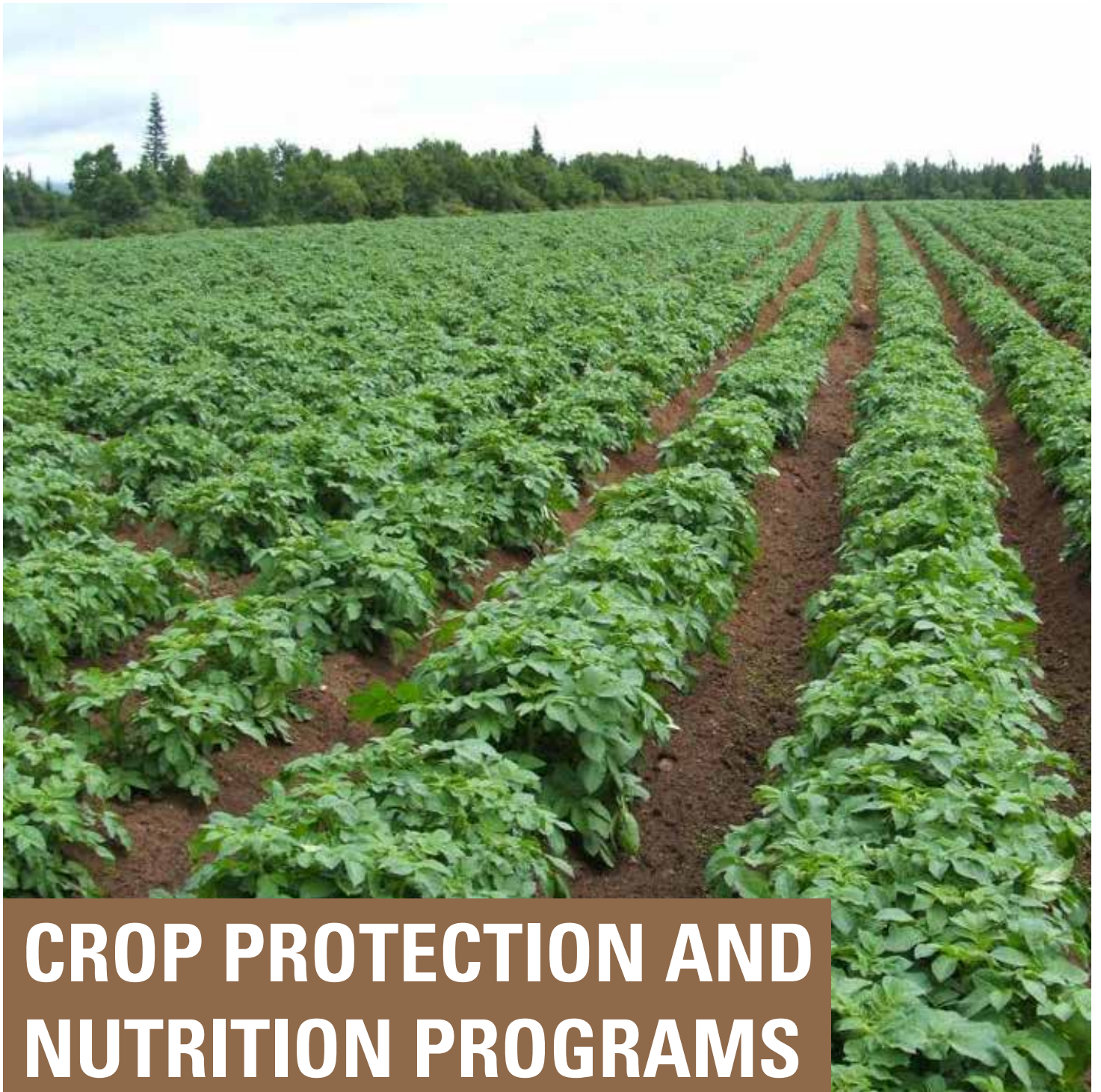
A complete set of tools for sustainable farming may be offered in addition according to **farmers needs**. They include Chemicals, Fertilizers, Seeds, Drip irrigation e.t.c

For more enquiries on Greenhouses and their associated accesories;

Call: Joshua Mutuku  
+254 (0) 715 555 311

Email: [joshua.mutuku@amirankenya.com](mailto:joshua.mutuku@amirankenya.com)





# CROP PROTECTION AND NUTRITION PROGRAMS

To maximize your yield potential you will need an effective spray programme. Amiran Kenya Limited offers a range of herbicide, fungicides, insecticides and seed treatments which can be used as part of an integrated programme.

All the crop protection and nutrition products in the spray programme are introduced at the right time depending with the phenology of the crop and the expected pests, diseases or weeds.

Followed to the latter, a farmer achieves the maximum yields.

# TOMATO

INDICATIONS	LAND PREPARATION	NURSERY	TRANSPLANTING
DAY		0 → 30	30 → 35 → 40
FUNGICIDES			Goldazim, Trianum
INSECTICIDES		Lambdex	Keshet, Lambdex
NEMATICIDE		Neem Raj (drench)	Neem Raj (drench) Rootcap (to be applied during planting)
FUMIGANTS	Metham Sodium /Basamid		
HERBICIDES	Panga/ Glyphogan		Galigan (Apply to prepared ground 7 days prior to transplanting)
FIELD GRADE FERTILIZER			YaraMila Winner (Base dressing)
SOLUBLE FERTILIZER (Drip and/or Foliar)		Polyfeed 15:30:15	Polyfeed 15:30:15
BIOSTIMULANT			



# POTATO

INDICATIONS	LAND PREPARATION & PLANTING	SPROUT DEVELOPMENT	VEGETATIVE GROWTH
FUNGICIDES			Victory, AgrixyL 407SL, Emthane, Amimax, Sphinx Extra
INSECTICIDES	Fertigold		Grizly, Cyrux, Golan/ Lambdex Levo
MITICIDES			Avirmec, Nissorun, Levo
HERBICIDES	Linagan (Pre emergence: apply after final ridging before emergence of potatoes)	Agil + Supafilm (Grass killer)	Agil + Supafilm (Grass killer)
FIELD GRADE FERTILIZERS			YaraMila Winner 2 - 3 weeks (at hook stage) after sprouting
SOLUBLE FERTILIZERS (Drip and/or Foliar)			Polyfeed 19:19:19
BIOSTIMULANT			Prominent





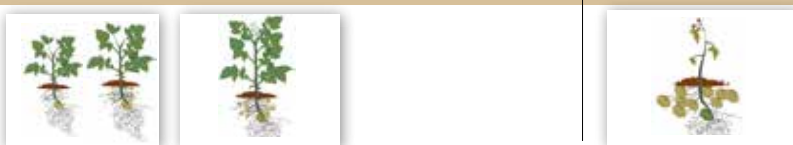
VEGETATIVE DEVELOPMENT		FRUIT DEVELOPMENT & RIPENING
45	70	120 140 240
Sphinx Extra/Victory/Amimax/Emthane/Nimrod		Sphinx Extra/Victory/Amimax Funguran-OH / Nimrod
Saf T Side, Avirmec, Nissorun, Kohinor, Aster Extrim, Cyrux, Lambdex, Grizly		Avirmec, Nissorun, Lambdex, Saf T Side, Aster Extrim, Prove, Levo,
YaraMila Winner (1st Topdressing, 2-3wks after transplanting)		Nitrabor Apply at flowering
Polyfeed 19:19:19		Multi npK/Polyfeed 18:9:27 Growcal MGB
Prominent		Prominent

PRODUCT	PHI(DAYS)
ASTER EXTRIM	7
AVIRMEC	7
EMTHANE	14
FUNGURAN-OH	3
GOLDAZIM	14
KESHET	1
KOHINOR	7
LAMBDEX	3
LEVO	1
NEEMRAJ	1
NIMROD	3
NISSORUN	7
PROVE	5
ROOTCAP	35
SAF T SIDE	1
SPHINX EXTRA	7
VICTORY	3







TUBER INITIATION	TUBER BULKING	MATURATION
Victory, Emthane, Sphinx Extra, Amimax		
Golan, Levo, Cyrux, Aster Extrim		
Avirmec, Nissorun		
Nitrabor 5-6 weeks (at flowering)		
Multi npK 13:2:44, Polyfeed 18:9:27		
Prominent		





PRODUCT	PHI(DAYS)
AGIL	24
ASTER EXTRIM	7
AVIRMEC	7
EMTHANE	7
GOLAN	7
KESHET	1
LAMBDEX	3
LEVO	1
NISSORUN	7
SPHINX EXTRA	7
VICTORY	14




# CABBAGE

INDICATIONS	LAND PREPARATION	NURSERY & TRANSPLANTING	VEGETATIVE GROWTH
DAY		0 → 30	30 → 70
FUNGICIDES			Funguran-OH, Orius
INSECTICIDES		Prove, Keshet, Lambdex	Aster Extrim Prove, Keshet, Lambdex, Golan, Bio-T, Levo
HERBICIDES	Panga/Glyphogan	Galigan (1 week before transplanting)	Agil + Supafilm (Grass Killer)
FIELD GRADE FERTILIZERS		YaraMila Winner (Use during transplanting)	Nitrabor (Topdress at 4-9 leaf stage)
SOLUBLE FERTILIZER (Drip and/or Foliar)		Polyfeed 15:30:15	Polyfeed 26:12:12
		 	

# ONION

INDICATIONS	LAND PREPARATION	GERMINATION	TRANSPLANTING
DAYS		0 → 30 → 45	45 → 60
FUNGICIDES		Emthane, Victory, Amimax Goldazim	Emthane, Sphinx Extra Victory, Amimax
INSECTICIDES		Lambdex, Keshet, Kohinor	Aster Extrim, Prove Cyrux, Grizly, Kohinor
HERBICIDES	Panga/Glyphogan		Agil, Galigan
FIELD GRADE FERTILIZERS			YaraMila Winner (1 <sup>st</sup> Top dress 4-5 weeks after transplanting)
SOLUBLE FERTILIZERS (Drip and/or Foliar)		Polyfeed 15:30:15	Polyfeed 19:19:19
BIO STIMULANT		Prominent	Prominent
		 	



HEAD DEVELOPMENT	HARVESTING
70 → 110	110 → 140
Victory, Funguran-OH, Orius	Funguran-OH
Aster Extrim Prove, Keshet, Lambdex, Golan, Bio-T, Levo	Keshet Lambdex, Levo
Agil + Supafilm (Grass Killer)	
Nitrabor (Apply during head development)	
Polyfeed 19:19:19 Growcal MGB	
	




PRODUCT	PHI(DAYS)
AGIL	24
ASTER EXTRIM	7
BIO T PLUS	1
FUNGURAN	3
GOLAN	7
KESHET	1
LAMBDEX	3
LEVO	1
ORIOUS	14
PROVE	3
VICTORY	14

VEGETATIVE GROWTH	BULBING	MATURITY
60 → 90	90 → 140	140 → 160
Emthane, Sphinx Extra Victory, Amimax, Othello	Emthane, Victory, Amimax, Othello	
Prove, CyruX, Grizly	Aster Extrim Prove CyruX	
Agil, Galigan	NpK 17:17:17	
Nitrabor (2 <sup>nd</sup> Top dress 8-9 weeks depending on variety)		
Polyfeed 19:19:19	Polyfeed 18:9:27 Multi npK	
Prominent		




PRODUCT	PHI(DAYS)
AGIL	24
ASTER EXTRIM	7
EMTHANE	14
GALIGAN	24
GOLDAZIM	14
KESHET	1
KOHINOR	7
LAMBDEX	3
OTHELLO	3
PROVE	5
SPHINX EXTRA	7
VICTORY	3






# FRENCH BEANS

INDICATIONS	LAND PREPARATION	PLANTING	GERMINATION
DAY	← 0 →	← 0 → Urea Phosphate 200Kg/Ha	← 5 →
FUNGICIDES			Ippon, Victory, Trianum
INSECTICIDES			Lambdex Medal
HERBICIDES	Panga/Glyphogan		Agil + Superfilm
FOLIAR FERTILIZER			Polyfeed 15:30:15
BASAL FERTILIZER		Urea phosphate	
SEED DRESSERS	Broadhactre, Seed Plus		
			

# CUCURBITS

INDICATIONS	LAND PREPARATION	NURSERY	TRANSPLANTING
DAY		← 0 - 30 →	← 30 - 40 →
FUNGICIDES			Emthane, Victory
INSECTICIDES	Fertigold	Lambdex	Aster Extrim, Lambdex, Golan, Neem Raj, Grizly
FIELD GRADE FERTILIZER			
SOLUBLE FERTILIZER (Drip and/or Foliar)		Polyfeed 15:30:15	Polyfeed 19:19:19
BIO STIMULANT			Prominent
			



	VEGETATIVE GROWTH	FLOWERING	HARVESTING
	10 → 15 → 35	35 → 45	45 → 85
	↑ Nitrabor 200Kg/Ha		
	Orius, Odeon, Nimrod	Othello Funguran OH	Othello Funguran OH
	Aster Extrim, Levo, Prove, Saf-T-Side	Aster Extrim Levo Lambdex, Saf-T-Side	Levo Keshet Saf-T-Side
	Agil + Superfilm		
	Polyfeed 26:12:12 Grocal MGB	Multi npK Grocal MGB	Multi npK Grocal MGB
	Nitrabor	Nitrabor	Nitrabor
			

PRODUCT	PHI (DAYS)
AGIL	24
ASTER EXTRIM	7
FUNGURAN-OH	3
IPPON	7
KESHET	1
LAMBDEX	3
LEVO	1
MEDAL	7
NIMROD	3
ODEON	7
ORIUS	14
OTHELLO	3
PROVE	3
TRIANUM	0
SAF T SIDE	1
VICTORY	14

VEGETATIVE DEVELOPMENT	FLOWERING, FRUIT DEVELOPMENT & RIPENING
45 → 60	60 → 90
Funguran-OH, Victory, Amimax Nimrod, Sphinx Extra	Funguran-OH, Nimrod, Amimax, Sphinx Extra
Golan, Levo, Prove, Avirmec, Cyrux, Grizly	Aster Extrim, Lambdex, Levo, Prove, Neem Raj Cyrux
YaraMila Winner (At 2 - 3 weeks)	Nitrabor (Beginning of flowering)
Polyfeed 19:19:19, Growcal MGB	Multi NPK, Growcal MGB, Polyfeed 18:9:27
Prominent	

PRODUCT	PHI (DAYS)
ASTER EXTRIM	7
AVIRMEC	7
EMTHANE	14
FUNGURAN-OH	3
GOLAN	7
GOLDAZIM	14
LAMBDEX	3
LEVO	1
NEEMRAJ	1
NIMROD	3
PROVE	5
SPHINX EXTRA	7
VICTORY	14



# COFFEE

MONTH	OCT.	NOV.	DEC.	JAN.	FEB.	MARCH	APRIL
WEATHER CONDITION	RAIN	RAIN	LITTLE RAIN	DRY SPELL	DRY SPELL	PRE RAIN	RAINY
FUNGICIDES	Nordox Super + Odeon	Nordox Super + Odeon	Amicop		Amicop	Amicop	Amicop
BASAL FERTILIZERS	NPK 250g/tree						
TOP DRESSING							CAN/ Nitrabor 150g/tree
FOLIAR FERTILIZERS	Polycoffee Multi npK	Polycoffee Multi npK	Polycoffee Multi npK	Super Boron Extra	Zinc 70		Polycoffee
HERBICIDES	Glyphogan	Glyphogan	Glyphogan				
INSECTICIDES	Pyrinex Aster Extrim	Pyrinex Aster Extrim	Pyrinex Aster Extrim	Pyrinex Aster Extrim	Pyrinex Aster Extrim	Pyrinex Aster Extrim	Pyrinex, Aster Extrim
BIO STIMULANT	Prominent	Prominent	Prominent	Prominent	Prominent	Prominent	Prominent

# WHEAT

INDICATIONS	LAND PREPARATION & PLANTING	EMERGENCE & TILLERING
HERBICIDES	Glyphogan, Galigan, Sine 2 4D, Mamba High load	Pallas, Aurora Turbo, Badge, Kiboko Super, Clodigan, Lancelot, Ariane
FERTILIZERS	YaraMila Winner 15:9:20	
SOIL CONDITIONERS	Ecogrl (Lime)	Aquaclean
MICRO NUTRIENTS		Supa Moly, SupaBor, Mang 50, Broadhactare ZnCu Quatracop, Zinc 70
FOLIAR SPRAY		
FUNGICIDES		
INSECTICIDES	Pyrinex	
SERVICE PRODUCTS	BB5	BB5, Supalink





MAY	JUNE	JULY	AUG-SEP
RAINY	WET	WET	DRY SPELL
Nordox Super + Odeon	Nordox Super + Odeon	Nordox Super + Odeon	
CAN/ Nitrabor, 150g/tree			
Polycoffee	Polycoffee	Zinc 70	Super Boron Extra
Glyphogan	Glyphogan	Glyphogan	
Pyrinex Aster Extrim	Pyrinex, Aster Extrim	Pyrinex, Aster Extrim	Pyrinex, Aster Extrim
Prominent	Prominent	Prominent	Prominent

#### STRAIGHT APPLICATION RATES:

Amicop 50WP: CBD - 7.7Kg/Ha(140g/20Lt),  
CLR - 3.8Kg/Ha(70g/20Lt)

NORDOX SUPER: CBD - 3.8Kg/Ha(70g/20Lt);  
CLR 2.4Kg/Ha(45g/20Lt)

ODEON 82.5WDG: CBD - 3.3Kg/Ha(60g/20Lt)

#### TANK MIX

1.7Kg/Ha + 5.5KG/Ha(30g + 100g/20L)  
ODEON 82.5WDG + FUNGURAN - OH 50WP

AMICOP 50WP: 5.5Kg/Ha(100g/20Lt)

NORDOX SUPER: 2.8Kg/Ha(50g/20Lt)

#### COMPATIBILITY

GLYPHOGAN: 2.0-3.0 L/ha (200-300ml/20L)

POLYCOFFEE: 5Kg/Ha(100g/20Lt)

SUPER BORON EXTRA: 0.5 - 1.0 L/ha  
(10-20ml/20L)

ZINC 70: 0.5-1.0L/ha (10-20ml/20L)

#### INSECTICIDES:

PYRINEX 30ml-40ml/20Lt

STEM EXTENSION/ VEGETATIVE	BOOTING, GRAIN FILLING & RIPENING
Clodigan, Pallas, Badge Kiboko Super, Ariane, Lancelot	
Polyfeed 26:12:12, Polyfeed 19:19:19 Supa Nitrohumus	Multi npK 13:2:44
Orius, Odeon, Shar Combi	Soprano C, Odeon, Orius, Shar Combi
Aster Extrim, Pyrinex Quick Lambdex	Aster Extrim, Pyrinex Quick, Lambdex
BB5, Supalink	BB5, Supalink

PRODUCT	PHI (DAYS)
ASTER EXTRIM	28
BADGE	40
CLODIGAN	42
KESHET	1
LAMBDEX	3
ODEON	7
ORIOUS	30
PYRINEX QUICK	14
SOPRANO	30





# AMIRAN SEEDS

A good quality seed is the first step to achieve optimum yields. Amiran good quality seeds are selected from world renowned and leading breeders, producers and suppliers with superior genetics.

Amiran Kenya supplies seeds for open field and greenhouse production. Our seeds meet Kenyan and international seed testing standards. The knowledge and credibility of our well trained agronomists makes it worthwhile for the farmer to plant them every time.

Our vision is to contribute to the growth of agribusiness in Kenya and beyond, improve livelihoods and offer high quality vegetable seed varieties to our clients.

Thank you.





## TOMATO HYBRID

### INDEX FOR RESISTANCES

**TYLCV:** Tomato Yellow Leaf Curl Virus

**ToMV:** Tomato Mosaic Virus

**TSWV:** Tomato spotted wilt virus

**SI:** 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)

### CORAZON F1

#### Description

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

SHAPE: Oval Fruit  
WEIGHT(Gr): 130 - 180

#### Resistances

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



### CLAUDIA F1

#### Description

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

SHAPE: Oval Fruit  
WEIGHT(Gr): 110 - 150

#### Resistances

- TYLCV
- For
- Ma
- Fol
- ToMV



### EVA F1

#### Description

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

SHAPE: Oval Fruit  
WEIGHT(Gr): 160 - 200

#### Resistances

- Vd
- Fol
- Ma
- ToMV
- Pst



## INDETERMINATE FOR GREENHOUSE PRODUCTION (ROUND FRUIT SHAPE)

### YAARA F1

#### Description

- Indeterminate hybrid variety
- Extended shelf life
- Adaptable to difficult growing 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 Fruit

WEIGHT(Gr): 10 - 20



#### Resistances

- Vd
- Fol
- ToMV

### LUCI PLUS F1

#### Description

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

SHAPE: Oval Fruit

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 Fruit

WEIGHT(Gr): 150 - 180



#### Resistances

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

### SHANTY F1 + N

#### Description

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

SHAPE: Oval Fruit

WEIGHT(Gr): 130 - 180

#### Resistances

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



### GALILEA F1 IMPROVED

#### Description

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

SHAPE: Oval Fruit

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 Fruit

WEIGHT(Gr): 140 - 160/fruit

#### Resistances

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



# 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

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

AV. WEIGHT(KG): 1.5 - 2

MATURITY: 75 days after transplanting

#### Resistances

- Xcc
- Foc



# 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.



# 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



# SALAD ONION

## DAMAS

#### Description

- Bunching onion with very dark green, tight upright foliage and a white shank, 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.



# 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



# ONION

## INDEX FOR RESISTANCES

**Pt:** Pink root

### 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



### 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





# WATER MELON

## RIVER SIDE - 6801 F1

### Description

- Matures in the Mid-season
- Deep red flesh



SHAPE: Oblong to elongated  
 RIND: Wide dark green 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  
 WEIGHT(KG): 9 - 11  
 FLESH: Deep red, sweet, soft & crisp

## MARIDADI F1

### Description

- Relatively early maturing,
- Uniform fruits
- 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



# 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

## 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

Plant Description: Vigorous  
 Relative maturity: Early  
 Flesh Color: Green  
 Shelf life: Good

### Resistances

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

Growing Season: Early spring/Spring  
 Fruit Shape: Round  
 Average Weight: 1-1.3kg  
 Brix %: 11-12



## 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

# 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)



# 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: Green to Orange

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





# HOT PEPPER HYBRID

## INDEX FOR RESISTANCES

TMV: Tobacco Mosaic Virus

PVV: Potato virus Y

### SUPER HABANERO F1

#### Description

- Extended shelf life
- Strong vigour
- 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



# EGGPLANT

### KABERI F1

#### Description

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



RELATIVE MATURITY: 55 days  
COLOR: Glossy and shining with green calyx  
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 purplish black with green calyx  
SHAPE: Elongated oval (ravaya type)  
LENGTH: 18-20cm  
WEIGHT: 50-60g

# PEA

### GARDEN PEA DESIGN

#### Description

- Stable, proven high 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



### SNOW PEA - OREGON POD II

#### Description

- Suitable for export market production
- Plant is determinate

POD SHAPE: Slightly curved & blunt  
COLOUR: Medium green  
FLOWER COLOUR : White LENGTH: 10 cm  
PLANT GROWING HABIT: Normal type  
VINE LENGTH: 70 cm  
MATURITY: Medium - 70 - 75 days



# BEANS

## INDEX FOR RESISTANCES

BCMV: Bean common mosaic virus

Cl: 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



### AMIRAN 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 characteristics 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



### FANAKA 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 shelf life capacities.





# OPEN POLLINATED VEGETABLE VARIETIES

CROP	VARIETY
ONION	RED CREOLE
ONION	BOMBAY RED
TOMATO	RIO GRANDE
TOMATO	CAL J
WATERMELON	CRIMSON SWEET
WATERMELON	SUGAR BABY
WATERMELON	CHARLESTON GREY
CUCUMBER	SUPER MARKETER
PEPPER	CALIFORNIA WONDER
OKRA	CLEMSON SPINELESS
CARROT	NANTES IMPROVED
SQUASH/COURGETTE	BLACK BEAUTY
SQUASH	BUTTERNUT
SQUASH	AMBASSADOR F1
LEEK	GIANT CARENTAN
BETROOT	RED DETROIT
SWISS CHARDE	FOOD HOOK GIANT
KALE	THOUSAND HEADED
EGG PLANT	BLACK BEAUTY
COLLARD	SOUTHERN GEORGIA
CORIANDER	AMERICAN LONG STANDING
OKRA	PUSA SAWANI

## Nursery Trays

- High Germination
- Low shock during transplanting



66 Holes



160 Holes



## Growing media



# AGROTECHNOLOGY ACCESSORIES

## Secatures

### K11

A short blade picker for:

- Tomatoes
- Carnations
- Indoor plants



### S3 Pruner

Is used in:

- Coffee
- Mangoes



### K7

A long nose picker for:

- Tomatoes
- Carnations
- Chillies
- Capsicum



### S821 Pruner

Is used in:

- Citrus plantation
- Mangoes
- Coffee



## Pruning Saws

### TTS 23

- Generally used to prune hard branches on mangoes, citrus fruits e.t.c
- Available in different sizes



## Hedge Shears

### B339

- Generally used to trim live fence
- Available in different sizes



## A12 Avacado/Mango Picker

Applicable on harvesting of Mangoes and Avacados



## Loopers

### W33

- Generally used for heavy duty pruning on woody branches
- Available in different sizes



## PPE



## Trellising twine

- Strong to hold plant full with fruits
- Long lasting
- Treated to resist UV radiations
- Available in 1600m and 5000m



## Mapal Trough 20-40-20

- Easy soil management
- Economical on water consumption
- Doesn't need much land



## Knapsack Sprayer





## Dam Lining - 0.5mm

- Strong polythene for water reservoir
- Easy to spread, no need of welding
- Can be used in fish ponds
- Also available 1mm



## Polythene

Description of Polythene: UVA 205/N

Application: Warm climates (Most localities in Kenya and East African Region).



## Shade Nets

Several types of shade nets to provide shade for different purposes and area in greenhouses, vegetables, nurseries, cut flowers, herbs and fruit trees, storage, sorting facilities, used for drying fruits, open poultry runs, cattle sheds and workers from sun radiation.

Also available:

- Chromatic Net
- Aluminet
- Decorative Net
- Special Net
- Harvesting Net



## Anti Insect nets

Woven nets to protect crops against insects as thrips, butterflies e.t.c. The following types are available:

Optinet 50 mesh

- Fine by appearance
- Blocking even the smallest insects (whitefiles)

17/17 Mesh

- Provides more air circulation
- More effective on heat stricken areas





# AMIRAN PLASTIC MULCH

GROUND COVER TO IMPROVE YIELDS

AVAILABLE IN:  
BLACK/WHITE & BLACK/SILVER







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