



HARDI KENYA
CROP SPRAYING SPECIALISTS



PRODUCT
CATALOGUE

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INTRODUCTION



HARDI KENYA is now East Africa's largest supplier of Application Technology Equipment into all sectors of Agriculture, from cereal growers to vegetable and flower farms.

As the sole representatives of **HARDI INTERNATIONAL A/S** in East Africa, we supply and support all HARDI Farm Sprayers, from Knapsack sprayers to Self-Propelled Units. In addition, HARDI KENYA represents a number of other major suppliers to agriculture, horticulture and floriculture, including COMET high pressure spraying pumps, TRIMBLE Agricultural Guidance and Control Systems, JIFFY Plant Propagation Products and UFO Supplies.

As suppliers of high quality spraying equipment, we also stock a complete range of Personal Protective Products that are fully certified.

HARDI KENYA continues to develop innovative designs for all aspects of Application Technology, suited specifically to the East African agricultural, floricultural and horticultural sectors.



PARTNERS

We represent the following renowned international brands.



HARDI INTERNATIONAL A/S

Manufacturers of the highest quality crop spraying machinery, including sprayers from 1.5litre compression Garden Sprayers to 8,000litre Self-Propelled units with 39m booms.



Trimble develops and manufactures the most advanced agricultural guidance systems available worldwide. These encompass all aspects of vehicle and implement control, with powerful displays, automated steering systems and integrated management software.



COMET

Comet is an Italian manufacturer specializing in production of low, medium and high pressure diaphragm, piston and centrifugal agricultural and industrial pumps which are world renowned for their performance and reliability.



COOPER PEGLER / HOZELOCK

The CP3 and CP15 Knapsack Sprayers have been recognised as the most reliable and well built hand-operated sprayers for decades, and Hozelock Hoses, which are now part of the same Group, produce comparably high quality watering hose.



ANNOVI REVERBERI

Hardi Kenya has long had a relationship with AR, and has used their High Pressure pumps on their hose Reel and Central Spraying Units since the 1980s. Hardi Kenya continues to fit and support all AR pump models used in East Africa.



UFO SUPPLIES

Specialists in supplying the floriculture and horticultural sectors in Africa and beyond with a variety of equipment from PPE to Defoliators, UFO Supplies has had a firm relationship with Hardi Kenya since their inception.



SWINGTEC

As manufacturers of Fogging Machines, including the world-renowned Swingfog fogger, Swingtec are experts in the production of Ultra-low volume spraying equipment.



JIFFY INTERNATIONAL

Jiffy Planting Substate products are innovative and assist farmers at the very start of the planting process, ensuring the lowest possible seedling and cutting loss through consistent quality and minimizing replanting stress.



Agrose manufactures Agricultural Sprayers, Sprayers Pumps and spare parts of them.

Their product range includes sprayers from small tractor-mounted units to larger trailed sprayers.

HAND OPERATED SPRAYERS



HAND OPERATED SPRAYERS

KNAPSACKS

Safety & Comfort

The HARDI 20 and 15 litre Backpack Sprayers feature a leak proof tank design with a piston pump for easy cleaning and maintenance.

- With pressure up to 3 bar they are ideal for insecticides, fungicides and herbicides.
- High safety standards and comfort are achieved through advanced sprayer design.
- Long sprayer life is assured through the use of robust materials.
- Service, spares and accessories all available through Hardi Kenya Ltd.



COMPRESSION SPRAYERS P1.5, P6 & P8

HARDI P1.5, P6 and P8 handheld pressure sprayers are perfect for professional and residential plant care in small areas. They are easy to use, sturdy and built to last. Available in 3 compact sizes: 1.5, 6 or 8 litres.



HAND OPERATED SPRAYERS

KNAPSACKS



The CP range of Diaphragm pumps have been used for decades. They have proved to be the most durable, robust and accurate sprayers well suited for pesticide and herbicide applications under the harshest of conditions.

- The unique pump, combined with a pressure relief valve, tolerates abrasive particles like wettable powders and dirty water. There are no direct friction surfaces, so it is also easy to pump.
- The CP is simple to use, the spray tank is not pressurised, and spraying is controlled from the trigger valve. The spray lance is made of extremely strong carbon fibre making it almost unbreakable.



KNAPSACK SPRAYERS

HOZELOCK Electric Sprayer

Get a constant spray at the touch of a button with the Hozelock Pulsar Sprayer.

No pumping required. This new 15L knapsack sprayer has an 18v lithium-ion battery that provides enough power to spray up to 4 hours, dependending on the pressure used. There are three levels of pressure to suit all applications. 1 bar, 3 bar and one position for high flow.



ACCESSORIES

SPRAY SHIELD

Spray shields are mostly used for weed killing.

1. Optimise herbicide application.
2. Spray a localised zone and avoid spray drift.



BOOM

The indispensable accessory for wide spraying.



SPRAYING PUMPS



PUMPS

To meet the requirements of bigger sprayers and to improve the lifetime, Hardi has redesigned their pumps.



HARDI PUMP 364/464

General specifications:

- Six diaphragm Positive Displacement Pump
- 6-Splined 1 3/8" Shaft
- Normal Rotational Speed - 540rpm
- Maximum Pressure - 15bar
- Flow rate @ 540rpm - 150l/min (364) or 200l/min (464)



HARDI PUMP 1303

General specifications:

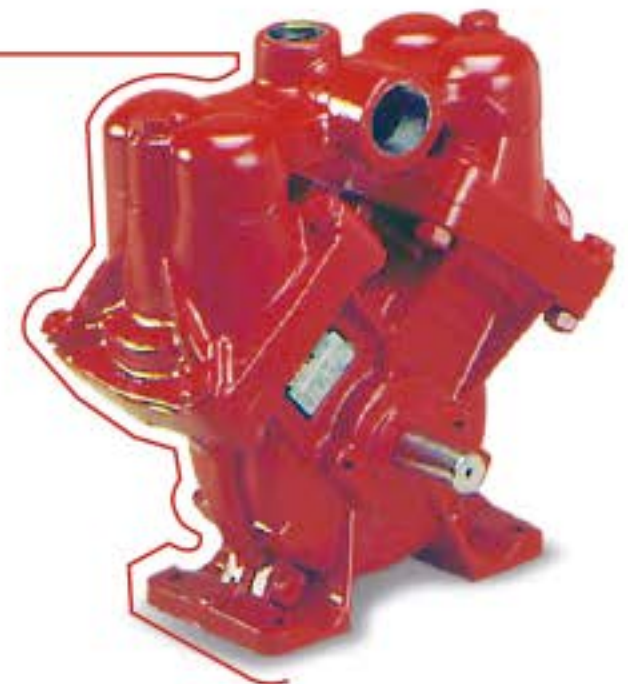
- Three diaphragm Positive Displacement Pump
- Tapered Shaft for use with HARDI PTO Shaft
- Normal Rotational Speed - 540rpm
- Maximum Pressure - 15bar
- Flow rate @ 540rpm - 98l/min



HARDI PUMP 1203

General specifications:

- Three diaphragm Positive Displacement Pump
- Tapered Shaft for use with HARDI PTO Shaft
- Normal Rotational Speed - 540rpm
- Maximum Pressure - 15bar
- Flow rate @ 540rpm - 67l/min



PUMPS



Comet diaphragm pumps are synonymous with quality and innovation. Recognized all over the world, Comet diaphragm pumps are ideal for high pressure applications in green houses, nurseries and orchards.

COMET AP41

General specifications:

- Semi-hydraulic, three diaphragm pump
- Pressure and flow specification: 40 bar - 38 l/min
- Internally manifolded
- Anodized aluminum construction for corrosion resistance
- Connects to shafts, fan assemblies, pulleys, and gearboxes
- Self-priming, large capacity oil bath crankcase, mounting rails, and can be run dry
- Operates maximum of 550 rpm and 4.1 hp.



COMET APS61

General specifications:

- Semi-hydraulic, three diaphragm pump
- Pressure and flow specification: 50 bar - 62 l/min
- Internally manifolded and features anodized aluminum
- Construction for corrosion resistance
- Connects to shafts, fan assemblies, pulleys & gearboxes
- Compatible pumping chemicals such as herbicides, pesticides, and others
- Self-priming, large capacity oil bath crankcase, mounting rails with standard pattern
- Operates at a maximum of 550 rpm and 9.1 hp.



COMET APS96

General specifications:

- Semi-hydraulic, four diaphragm pump
- Pressure and flow specification: 50 bar - 88 l/min
- Internally manifolded and features anodized
- Aluminum construction for corrosion resistance
- Easily connects to shafts, fan assemblies, pulleys, and gearboxes
- Operates at a maximum of 550 rpm and 11.7 hp.



PUMPS

COMET IDS960

General specifications:

- Semi-hydraulic, four diaphragm pump
- Maximum outputs rated 50 bar and 93 l/min
- Manifolds to provide corrosion resistance
- Features brass heads and brass external manifolds
- Perfect for high pressure agricultural and horticultural applications such as orchards, vegetables, trees, vineyard spraying, and more
- Easily connects to tractor ptos with the 6 spline, PTO shaft (1 3/8") setup
- Self-priming, large capacity oil bath crankcase, mounting rails and can be run dry
- Operates at maximum of 550 rpms and 11.5 hp.



COMET IDS1000

General specifications:

- Semi-hydraulic, three diaphragm pump
- Maximum outputs rated 50 bar and 99 l/min
- Features brass heads and brass external manifolds to provide corrosion resistance
- Perfect for high pressure agricultural and horticultural applications such as orchards, vegetables, trees, vineyards, and more
- Connects to tractor ptos with the 6 spline PTO shaft (1 3/8") setup
- Features a 1" by-pass, self-priming, large capacity oil bath
- Crankcase, pressure accumulator, safety valve mounting rails with standard pattern
- Operates at maximum of 550 rpms and 12.5 hp.



COMET YA75

General specifications:

- Configuration: 3 ceramic plungers
- Parts in contact with spray liquid: anodized aluminium
- Maximum outputs rated 50 bar and 58 l/min
- Double seal with drip recovery
- Patented piston oil guard anti-wear system.



PUMPS



COMET YA 130

General specifications:

- Configuration: 6 ceramic plungers
- Parts in contact with spray liquid: anodized aluminium
- Maximum outputs rated 50 bar and 128 l/min
- Double seal with drip recovery • Patented piston oil guard anti-wear system.



COMET BP 60 K

General specifications:

- Two Diaphragm pump
- Ideal for use with small Boom Sprayers
- Maximum outputs rated at 20 bar and 65l/min
- Parts in contact with spray liquid are plastic-coated aluminium
- Come standard with Pressure Accumulator
- Operates at a maximum of 550rpm



COMET BP 110 SMART

General specifications:

- Three Diaphragm pump
- Perfect for use with lift-mounted and trailed Boom Sprayers
- Maximum outputs rated at 20 bar and 132l/min
- Parts in contact with spray liquid are polyamide
- Pressure Accumulator fitted on request.
- Operates at a maximum of 550rpm



PUMPS



**ANNOVI
REVERBERI**
The Power of Experience

AR1064

General specifications:

- Max flow: 108.5 L/min
- Max pressure: 50 bar
- Shaft: Flange for pulley and 1-3/8" 6-spline male PTO 1-1/2" inlet, 3/4" outlet
- Diaphragms: 4, semi-hydraulic, BlueFlex® material
- Housing: Anodized aluminum
- Recommended control unit: VDR50.



AR1604

General specifications:

- Max flow: 153 L/min
- Max pressure: 50 bar
- Shaft: Flange for pulley and 1-3/8" 6-spline male PTO 1-1/2" let, 3/4" outlet
- Diaphragms: 4, semi-hydraulic, BlueFlex® material
- Housing: Anodized aluminum
- Recommended control unit: VDR50.



PRESSURE REGULATORS/ OPERATING UNITS



COMET GEMINI

General specifications:

- To be fitted to lower-flow High Pressure Pumps
- Maximum flow rate: 50l/min @ 40bar
- Constant Pressure Regulation Valve
- Single Shut-off Lever
- 2 outlets



COMET GCP 3V

General specifications:

- To be fitted to medium-flow High Pressure Pumps
- Maximum flow rate: 100l/min @ 50bar
- Constant Pressure Regulation Valve
- Single Shut-off Lever
- 3 outlets



COMET HPR/2

General specifications:

- To be fitted to high-flow High Pressure Pumps
- Maximum flow rate: 150l/min @ 50bar
- Constant Pressure Regulation Valve
- Single main Shut-off Lever
- Anti drip suck-back device
- Made of anti-corrosion anodised aluminium
- 3 outlets





**ANNOVI
REVERBERI**
The Power of Experience

PRESSURE REGULATORS/ OPERATING UNITS

CONTROL UNIT VDR 50

Features:

- For working pressure up to 50 bar and flow 130 l/min
- 2 Outlets
- Made of anodised aluminium.



CONTROL UNIT BY MATIC

Features:

- For working pressure up to 50 bar and flow 200 l/min
- 2 Outlets
- Made of anodised aluminium.





SPRAYERS



KNK 600/ 400 TRACTOR MOUNTED SPRAYERS

HARDI has been building strong and versatile sprayers since 1957 and their basic Tractor-Mounted Units have formed the foundation for their growth to one of the most technologically advanced Sprayer manufacturers today.

Using the basis of their design, HARDI KENYA has developed a Tractor-Mounted Sprayer best suited to Kenya's arable conditions, and the KNK600 is the culmination of this process.

The KNK600's re-designed frame is extremely strong and the HARDI Blow-Moulded HDPE tank is retained.

It's 12m boom is Vertically-Folding with a strong Transport Bracket design to help cope with the rough access roads regularly found in farming areas. The Boom Centre-Section is Trapeze-mounted, enabling self-levelling as the tractor moves over uneven ground and its Boom Wing Adjustment mechanism allows the user to ensure even boom height through its life.

A Spring-Loaded Break-away on the outer section protects the boom from accidental encounters with an in-field obstacle.



The KNK600 is now fitted with a COMET BP110K Diaphragm Pump and a ST/START 3-Section Controller, delivering 116l/Min with a maximum pressure of 20bar.

HARDI ISO Flat Fan nozzles are fitted into Holders with Non-Drip Valves. TRIPLET Nozzle Holders and a very wide range of additional nozzles are available, including several Anti-Drift versions.

Also fitted as standard is a Self Filling Device, which connects to the sprayer through a Quick Coupling, enabling filling from either a natural water source or a bowser.

SPRAYERS



AGROSE®

400 | 600 | 800

BOOM SPRAYER

Hardi Kenya is now offering an economic Tractor-Mounted Boom Sprayer which has been enhanced with a high quality COMET diaphragm pump and 3 section operating unit.

The unit comes with a Clean Water Tank with a 3-way valve, enabling the user to wash the tank after spraying while still in the field.

Hardi Kenya is committed to maintaining a stock of spare parts to ensure your sprayer is fully supported.

PUMP: COMET BP 110 SMART



CHASSIS, TANK AND BOOM



**PRESSURE
REGULATOR**



MIST BLOWER

TRAILED MISTBLOWER

UNLEASH THE POWER OF
OUR EXCEPTIONAL MISTBLOWERS,
FOR AVOCADO AND OTHER
ORCHARDS.



MOUNTED MISTBLOWER



SPRAYERS



WHEELBARROW AND TROLLEY SPRAYERS

Hardi Kenya's 120 litre wheel barrow sprayer and 200, 300, 400 and 600 litre Trolley Sprayers are purpose-built to provide versatility and convenience in a range of applications, including greenhouse crops and outdoor horticulture.

The TR200, TR300 and TR 400 are mounted on 3 pneumatic tyres, the front one a Low Ground-force Floation tyre while the TR400 and TR600 utilizes 4 13" pneumatic tyres.

The TR Trolley's frame is specially designed for its strength and manoeuvrability, and has UV resistant polyethylene tank, with a large filling aperture and filter.



Hoses: Rubber/ PVC
80 Bar working pressure/ 200 Bar bursting pressure



Engine: Briggs & Stratton Vanguard / Honda GX200
Petrol 4-stroke | Power Output: 6.6 HP | Engine Speed: 3000rpm

Tank:
200/ 300/ 400/ 600
Litre HDPE

Pump: Comet APS41 3-diaphragm
Flow Rate: 40 Litres/ minute | Max. Pressure: 40 Bar



SPRAYERS



TRAILED HOSE REEL SPRAYERS

Hardi Kenya's design of its Trailed Hose Reel Sprayer stretches back to the beginnings of Kenya's Horticultural journey. The requirement of the early farmers for a robust, easy-to-use sprayer for use on vegetable and fruit farms led to the development of the sprayer still available today.

The use of the strong 400/600 litre NK tank and frame, the addition of a COMET/AR high pressure pump and a variety of high pressure hose and reel options make it a highly versatile sprayer.



SPRAYERS

TRACTOR MOUNTED HOSE REEL SPRAYERS

Hardi Kenya's 400 and 600 litre Tractor-Mounted Sprayers can be fitted with up to 4 hose reels. They have been adapted from Hardi's well known NK boom sprayer, and have a high quality, blow-moulded, UV-resistant HDPE tank, fitted with a large tank lid and a deep sump.



The Hose Reel sprayer can be fitted with a range of high pressure COMET or AR pumps to suit the customer's needs, and a Pressure Regulator to suit the specific pump.

High Pressure (80/200bar) Delivery hoses can be lengths that suit the application, and both Rubber (10mm) and PVC (8 or 10mm) types are available.

Specially made Stuffing Boxes are fitted to the hose reels to prevent twisting when loading/unloading the hose. This allows hoses to be used even when the complete length of hose is not required, and protects the hoses from kinks caused by incorrect rolling.

Both Double-Nozzle Lances and Spray Guns are popular choices for use with this sprayer.

SPRAYERS

HOCKEY STICK COFFEE SPRAYER

Hardi 1200 liter Hockey Stick Boom Sprayer

Built to withstand the rigours specific to coffee farming, Hardi's hockey stick boom coffee sprayer is based on a tried and tested design and uses the Comet IDS1000 brass-headed diaphragm pump. Fitted with two vertical booms made from heavy duty steel tubing and brass nozzle holders, it is designed to cope with the stresses of the conditions found on coffee farms. The COMET high pressure pump ensures correct coverage even when high spraying volumes are required. The Pressure Regulator is simple and easy to use. Options include horizontal Shielded Herbicide Booms and Hose Reels for use with hand-held Lances.

The sprayer frame is a narrow-gauge, heavy duty design, with a quick-turn drawbar. The 1,200 litre tank is made from rotationally moulded HDPE, which is strong, flexible and easy to repair. 750x16" wheels are mounted on purpose-built, heavy duty hubs with solid, tapered stub axles.

The Comet IDS1000 diaphragm pump, with its brass cylinder heads is known for its reliability and resistance to the corrosive effect of copper-based fungicides. Producing 100l/min at 50bar maximum pressure, it is ideal for the high volume application required for this form of spraying technique. The two Hockey Stick Booms are fitted with high volume brass fan jets with anti-drip valves.



SPRAYERS



CENTRAL SPRAY UNIT

Hardi Kenya's involvement in the development of spraying technique within floriculture began in the 1980s, at the outset of the sector's growth. This experience has enabled Hardi to manufacture a Centralized System ideally suited to the farmers' needs. 1,350 and 2,300 litre clear PE chemical tanks are mounted on elevated stands, and fitted with high quality suction and return hoses, and brass hydrostatic agitators.

The 3-way operating unit is fitted above the suction, delivery and agitation exchange manifold. The pump, motor and control manifold are mounted on a sturdy base frame incorporating a pulley guard and hinged motor mounting providing easy access to the V- belts.



High pressure Comet and AR diaphragm and piston pumps, with specifications up to 130l/min at 50 bar are powered by 3-phase motors up to 10kW with separate star-delta starters complete with isolators.



Hardi Kenya's VARISPEED option, with its advanced automatic pressure regulating features, ensures instant pressure control and extended pump life.

Delivery hoses available include both PVC and high quality rubber pipes rated up at 80/200 bar, mounted on hose reel trolleys and fitted with double-ceramic nozzle spray lances.

SPRAYERS

KNAPSACK VERTICAL BOOM

Adjustable angled nozzle holders for complete coverage

Fully adjustable height to suit different operators

Comfortable Knapsack frame with padding.

Low nozzles for under-leaf coverage

Fully customizable to suit individual user requirements.

SPRAYING EQUIPMENT COMPONENTS



SPRAYING LANCES AND GUNS

- 1 DOUBLE NOZZLE SPRAY LANCE**
c/w Trigger and Ceramic Nozzle.



HKE-846198

- 2 DOUBLE NOZZLE SPRAY LANCE**
c/w Ball valve and Ceramic Nozzle.



HKE-846207

- 3 DOUBLE NOZZLE SPRAY LANCE**
c/w Heavy Duty Trigger and ceramic nozzles



HKE-846196

- 4 DOUBLE NOZZLE SPRAY LANCE**
c/w J25 Trigger and ceramic nozzles



HKE-846202

- 5 SINGLE NOZZLE SPRAY LANCE**
c/w J25 Trigger and a single ceramic nozzle



HKE-846211

- 6 HYDRA SPRAY PISTOL**
c/w Trigger and ceramic nozzle.



AG-5062400C

- 7 AL55 HEAVY DUTY SPRAY LANCE**
c/w Trigger and ceramic nozzle.



TM-4022409000

SPRAYING EQUIPMENT COMPONENTS

1

**DOUBLE
NOZZLE
HOLDER**



Light weight with flexible section

HKE-846200

2

**DOUBLE
NOZZLE
HOLDER**



Light weight adjustable nozzle holder

HKE-8247022

3

**DOUBLE
NOZZLE
HOLDER**



Electroplated brass with variable nozzle width options

TM-8247007

4

**NOZZLE
HOLDER
FOR BOOMS**



With non-drip valve

TM-8234004 For threaded nozzle cap.

TM-8234005 For quick fit nozzle cap.

5

**BRASS
NOZZLE
HOLDER**



With non-drip valve and swivel adjustment

TM-8267003 Single ATR nozzle.

TM-8267006 Double ATR nozzle.

6

**SUCTION
FILTER**



With stainless steel mesh cartridges

TM-8075000 Suction filter 120 G 1 1/4 32 mesh

TM-8081002 Suction filter 150 G 1 1/2 80 mesh

7

**LANCE
HANDLES**

Light weight



PN-710684

General use



HKE - 4010007001

Heavy Duty



HKE- 5062600

SPRAYING EQUIPMENT COMPONENTS

6

QUICK COUPLER



ARF M22 x 1.5 - G3/8 High Pressure Screw-Type Coupling

TM-300304 / TM-4130800005

7

QUICK COUPLER



AR2 G3/8 High Pressure Push-Type Coupling

TM-0121730090 / TM-0212002300

8

VARIOUS BASS FITTINGS



High Quality Fittings for use in a variety of locations

9

HOSE CLIPS



High Tensile Stainless Steel Hose clips for use with 5/16" to 3" Hoses

284582 d.6 - d.12

284583 d.12 - d.22

284584 d.20 - d.32

284585 d.25 - d.44

10

BRASS HOSE CONNECTOR



Straight and 90 degree Hosetails with Fly-Nut for 8mm, 10mm & 13mm Hoses

TM-8304003 d.8

TM-8304004 d.10

TM-8304005 d.13

TM-8304007 d.10 90Deg

TM-8304008 d.13 90Deg

SPRAYING EQUIPMENT COMPONENTS

11

**BALL
VALVE**



2-Way Full Flow Female

MT-3040015000 1/2"

MT-3040020000 3/4"

SF-76602500 1"

12

**BALL
VALVE**



2-Way Spray Ball Valve Male

TM-8306002 G1/2-G3/8 Right

TM-8306003 G1/2-G1/2 Left

TM-8306004 G1/2-G3/8 Left

TM-8306005 G1/2-G1/2 Right

13

**BALL
VALVE**



3-Way Brass L-Type Ball Valve

MT-3028015000L G1/2

MT-3028025000L G1

14

**BALL
VALVE**



2-Way Low Pressure Ball Valve

TM-8215253 G1

15

**BALL
VALVE**



3-Way Low Pressure Ball Valve

TM-8216253 G1 Normal Flow

TM-8216357 G1 1/2 Normal Flow

TM-8216358 G1 1/2 Continuous Flow

SPRAYING EQUIPMENT COMPONENTS

16

PRESSURE GAUGE



Bottom Mounted 1/4" 16 - 100bar

TM-8302607	16Bar
TM-8302056	40Bar
TM-8302058	80Bar
TM-8302613	100Bar

17

PRESSURE GAUGE



Back Mounted 1/4"

TM-8302601	25Bar
TM-8302006	40Bar

18

QUICK COUPLER



Low Pressure Brass Bayonet-Type with Rubber Seal

MT-2005015000	1/2" Male
SF-440015000	1/2" Female
MT-2005020000	3/4" Male
MT-2015020000	3/4" Female
SF-445010000	3/8" Hosetail
SF-445013000	1/2" Hosetail

19

SHOWERING HEAD COUPLER



Adjustable Flow Brass Watering Fitting with Bayonet-Type Coupling

UFO-08FF0141

20

WATERING LANCE



Aluminium Lance with Conical Watering Head

HARDI HOSES



HARDI KENYA HOSE

SPRAYING HOSE



HIGH PRESSURE PVC HOSE

Internal Diameter: 8 mm (5/16")

Working pressure : 90 bar

Burst pressure : 220 bar

SPRAYING HOSE



HIGH PRESSURE PVC HOSE

Internal Diameter: 10 mm (3/8")

Working pressure : 90 bar

Burst pressure : 220 bar

SPRAYING HOSE



HIGH PRESSURE PVC HOSE

Internal Diameter: 15 mm (1/2")

Working pressure : 90 bar

Burst pressure : 220 bar

HIGH PRESSURE HOSE



HIGH PRESSURE PVC HOSE

Internal Diameter: 25 mm (1")

Working pressure : 20 bar

Burst pressure : 80 bar

SUCTION HOSE



TRANSPARENT SUCTION HOSE

Stainless Steel Spiral Support

Internal Diameter: 1", 1 1/4" and 1 1/2"

HIGH PRESSURE HOSE



HIGH PRESSURE RUBBER HOSE

Internal Diameter: 3/8" - 2"

Varied WP/BP

GARDEN HOSE



GARDEN HOSE

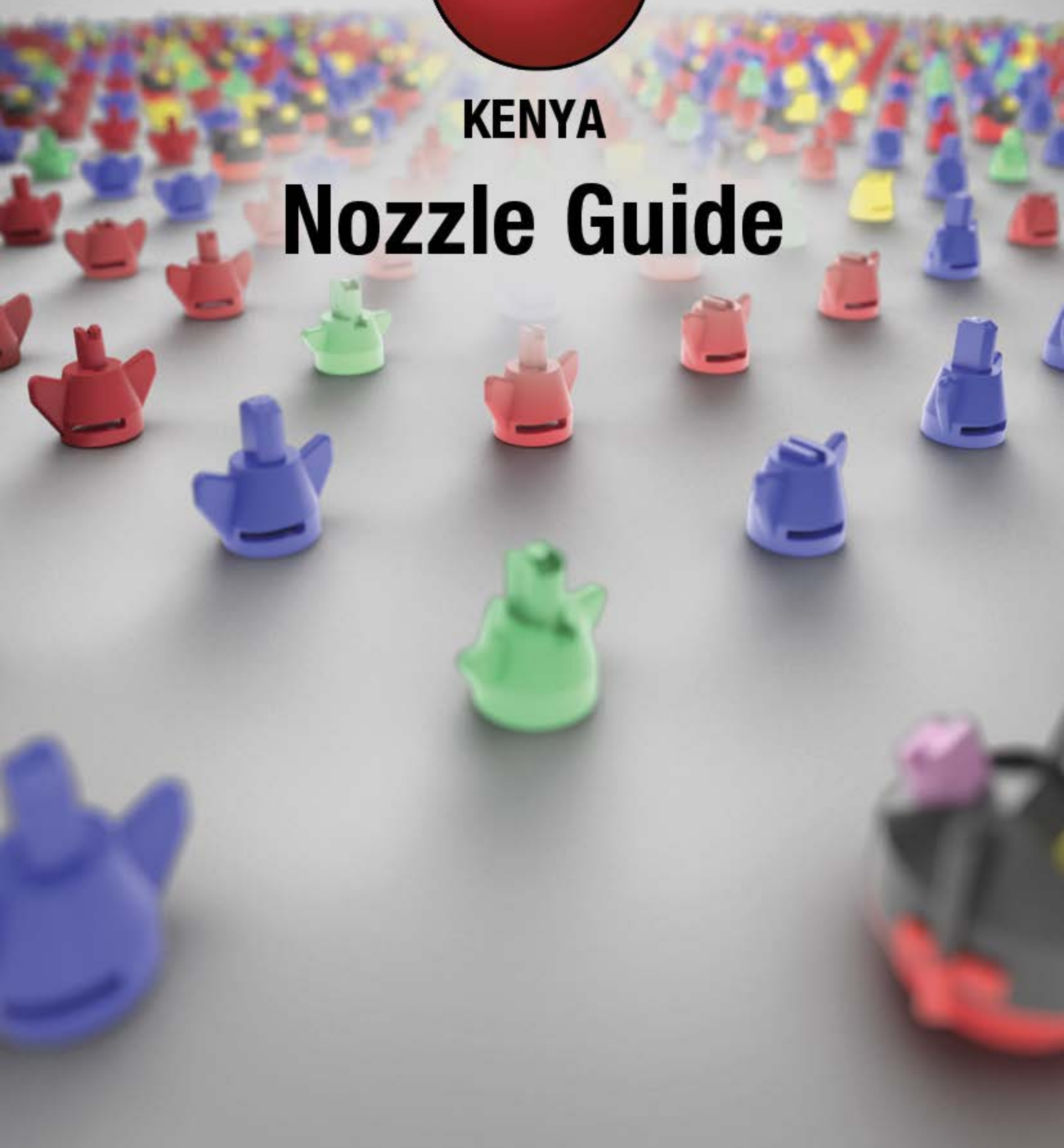
Robust, Flexible, Anti-Kink, Anti-Twist, Anti-UV, Ultralite hose featuring 5 & 6 layer options

Internal Diameter: 19mm (3/4")



KENYA

Nozzle Guide



HARDI NOZZLES

| Crop Spraying Specialists



HARDI ISO F-110 | Standard FLAT FAN nozzles

All-round FLAT FAN nozzle. Recommended for all types of pesticide application where optimum coverage is demanded.



HARDI ISO LD-110 | LOWDRIFT nozzles

LOWDRIFT nozzles are recommended when optimum spraying conditions cannot be achieved (risk of drift) and spraying cannot be postponed.



HARDI ISO MINIDRIFT | Air inclusion nozzles

The HARDI MINIDRIFT nozzles can be used for spraying at sub-optimal weather conditions, when spraying cannot be postponed. The MINIDRIFT nozzle will at low pressures reduce drift to a minimum.



HARDI ISO NANODRIFT | Air inclusion nozzles

The HARDI NANODRIFT nozzles should be used when high drift reduction is required. The NANODRIFT nozzle will at low pressures reduce drift to a minimum.



HARDI ISO INJET | Air inclusion nozzles

The HARDI INJET nozzles can be used for spraying at sub-optimal weather conditions, or when spraying cannot be postponed. The HARDI INJET nozzles are recommended for most pesticide applications where reduced risk of drift is demanded.



HARDI ISO MINIDRIFT DUO | Air inclusion nozzle

The HARDI MINIDRIFT DUO nozzle can be used for spraying at sub-optimal weather conditions, when spraying cannot be postponed. The MINIDRIFT DUO nozzle will at low pressures reduce drift to a minimum.

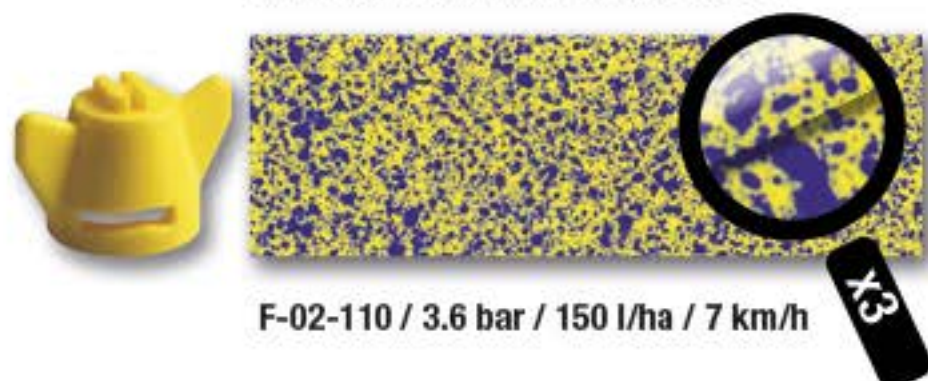
HARDI NOZZLES

| Crop Spraying Specialists



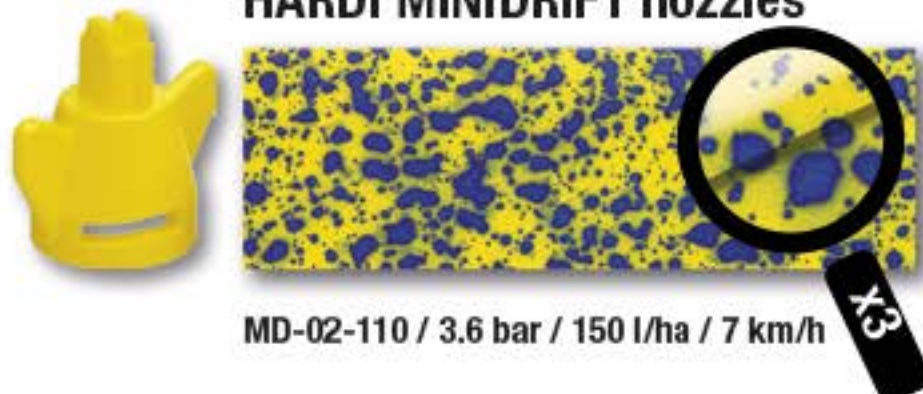
HARDI ISO 02 110° nozzle with the same capacity, pressure, speed and therefore application

HARDI FLATFAN nozzles



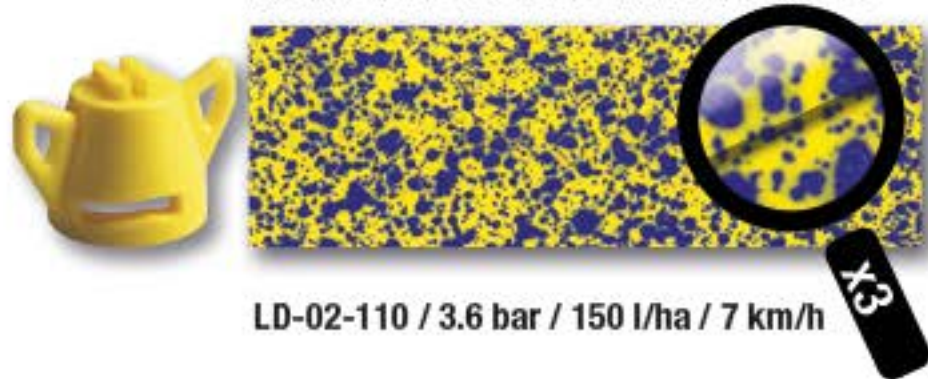
F-02-110 / 3.6 bar / 150 l/ha / 7 km/h

HARDI MINIDRIFT nozzles



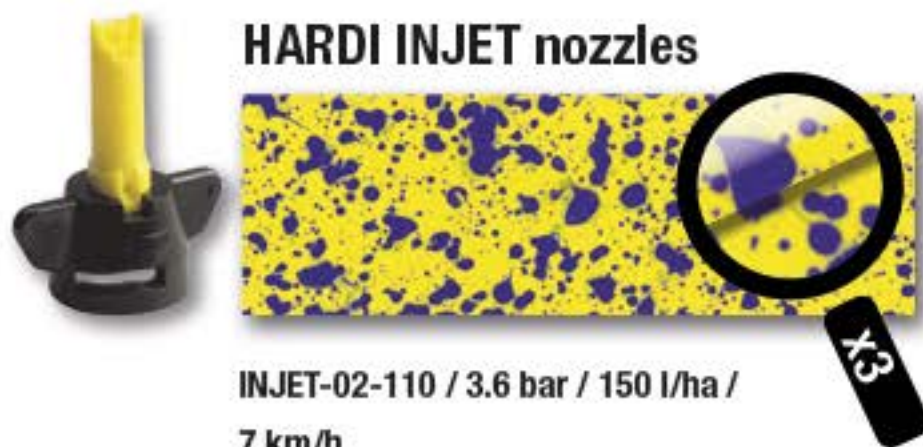
MD-02-110 / 3.6 bar / 150 l/ha / 7 km/h

HARDI LD LOWDRIFT nozzles

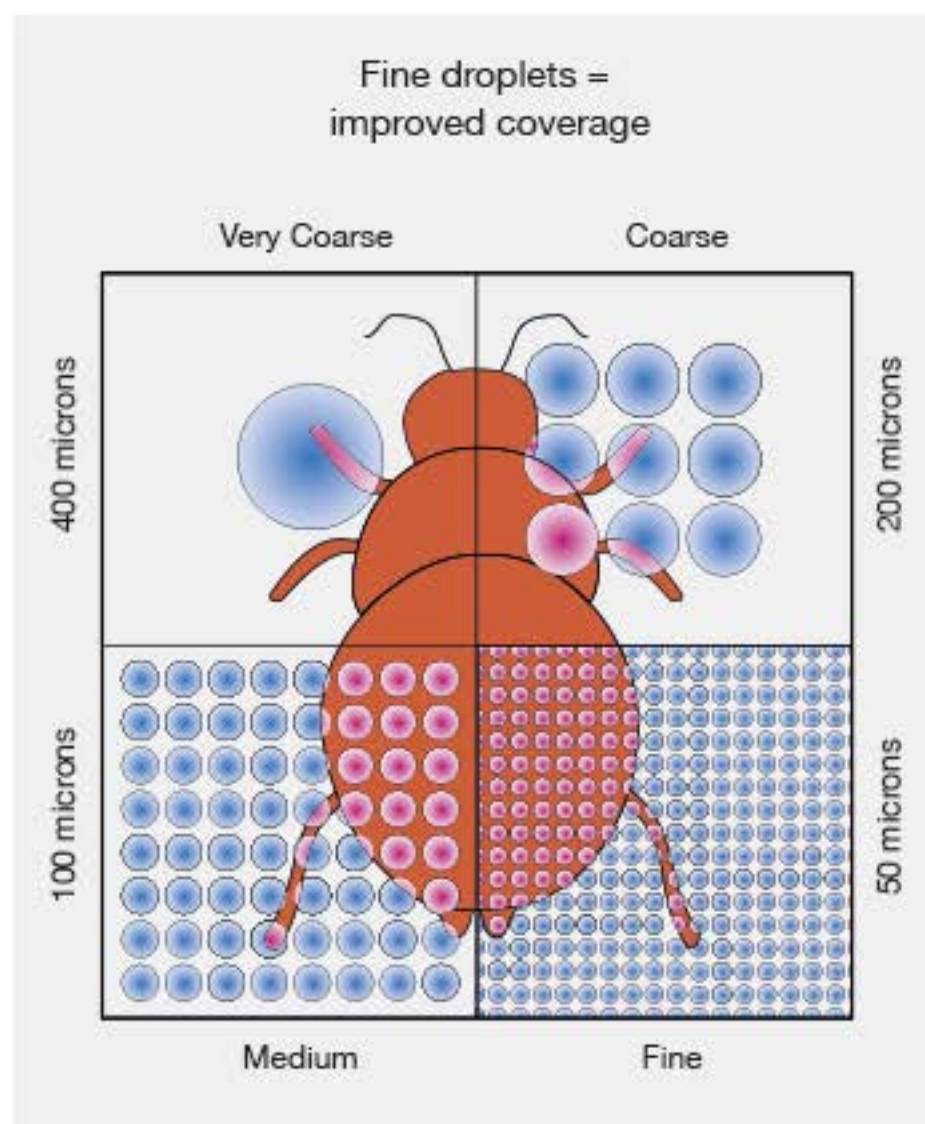


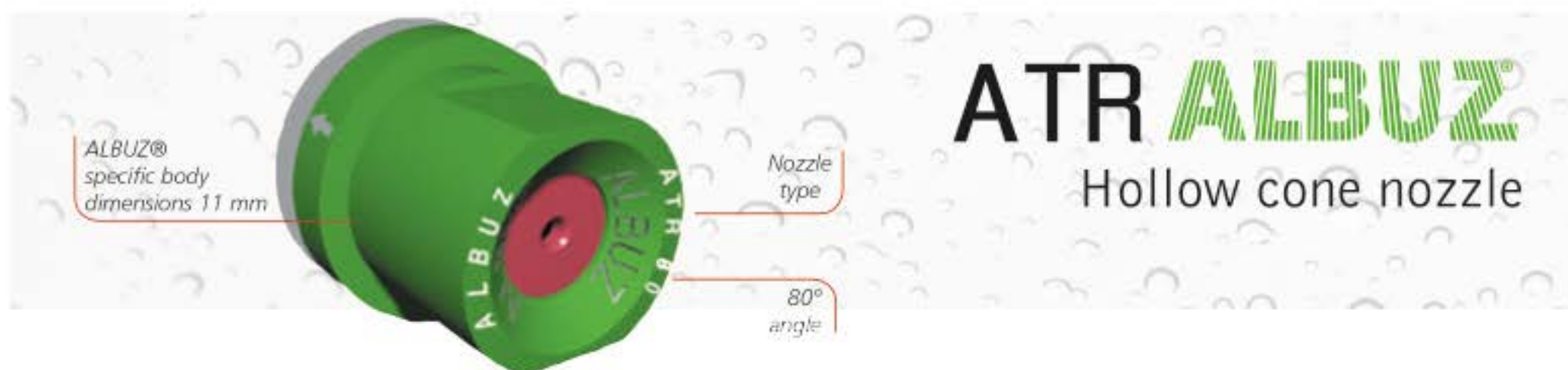
LD-02-110 / 3.6 bar / 150 l/ha / 7 km/h

HARDI INJET nozzles



INJET-02-110 / 3.6 bar / 150 l/ha / 7 km/h





ATR ALBUZ®

Hollow cone nozzle

APPLICATIONS

- For fungicide and insecticide treatments.
- Recommended for arboriculture and vineyards.

MAIN CHARACTERISTICS

- Angle of 80° at 5 bar.
- Hollow cone nozzle producing fine droplets.
- ALBUZ durable pink ceramic allows high pressure spraying while maintaining nozzle performance and precision.

SPECIFIC CHARACTERISTICS

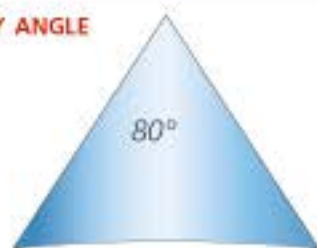
- Easy dismantling for a good cleaning.
- BBA certified.
- Can be used on a sprayer boom from 3 bar pressure.
- Precision polished ceramic surfaces of internal components ensure perfect sealing of the swirl chamber to give precise flowrate.
- Recommended pressure 10 - 25 bar.**

PRESSURE RANGE



from 10
to 15 bar

SPRAY ANGLE



DROPLET SPECTRUM

10
bar



15
bar

Flow rate chart

Bar	l/mn									
	WHITE	LILAC	BROWN	YELLOW	ORANGE	RED	GREY	GREEN	BLACK	BLUE
5	0.27	0.36	0.48	0.73	0.99	1.38	1.50	1.78	2.00	2.45
6	0.29	0.39	0.52	0.80	1.08	1.51	1.63	1.94	2.18	2.67
7	0.32	0.42	0.56	0.86	1.17	1.62	1.76	2.09	2.35	2.87
8	0.34	0.45	0.60	0.92	1.24	1.73	1.87	2.22	2.50	3.06
9	0.36	0.48	0.64	0.97	1.32	1.83	1.98	2.35	2.64	3.24
10	0.38	0.50	0.67	1.03	1.39	1.92	2.08	2.47	2.78	3.40
11	0.39	0.52	0.70	1.07	1.45	2.01	2.17	2.58	2.90	3.56
12	0.41	0.55	0.73	1.12	1.51	2.09	2.26	2.69	3.03	3.71
13	0.43	0.57	0.76	1.17	1.57	2.17	2.35	2.79	3.14	3.85
14	0.44	0.59	0.79	1.21	1.63	2.25	2.43	2.89	3.26	3.99
15	0.46	0.61	0.81	1.25	1.69	2.33	2.51	2.99	3.36	4.12
16	0.47	0.63	0.84	1.29	1.74	2.40	2.59	3.08	3.47	4.25
17	0.48	0.64	0.86	1.33	1.79	2.47	2.67	3.17	3.57	4.37
18	0.50	0.66	0.89	1.37	1.84	2.54	2.74	3.25	3.67	4.49
19	0.51	0.68	0.91	1.40	1.89	2.60	2.81	3.34	3.76	4.61
20	0.52	0.70	0.93	1.44	1.94	2.67	2.88	3.42	3.85	4.72
21	0.54	0.71	0.95	1.48	1.99	2.73	2.95	3.50	3.94	4.84
22	0.55	0.73	0.98	1.51	2.03	2.79	3.01	3.57	4.03	4.94
23	0.56	0.74	1.00	1.54	2.07	2.85	3.07	3.65	4.12	5.05
24	0.57	0.76	1.02	1.58	2.12	2.91	3.14	3.72	4.20	5.15
25	0.58	0.77	1.04	1.61	2.16	2.97	3.20	3.80	4.28	5.25

TXR CONEJET®

HOLLOW CONE SPRAY TIPS

The TXR series spray tips produce an 800 hollow cone spray pattern with fine droplet sizes. These tips are ideal for air blast and directed spray applications in orchards, vineyards and speciality crops.

The fine droplet size and high operating pressures allow for very thorough leaf coverage making this tip well-suited for insecticides, fungicides, foliar fertilizers and related products.



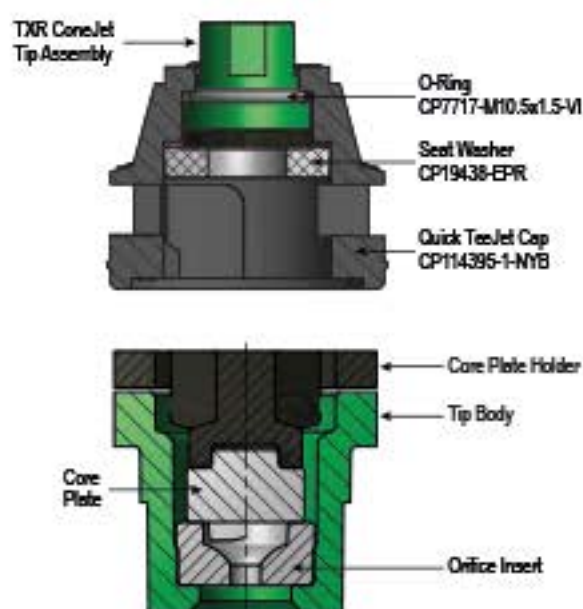
TXR ConeJet Features and Benefits:

- Produces uniform, 80° hollow cone spray pattern ideal for airblast, directed and specialty applications.
- Flow rates are matched to serve as a direct replacement for commonly used non-TeeJet hollow cone spray tips.
- High quality ceramic orifice provides superior wear life, including high-pressure operation.
- Low profile acetal tip body provides minimal impact with foliage and excellent chemical resistance.
- Color-coded tip holder based on tip flow rate allows for easy capacity identification.
- Snap-fit backup plate provides positive retention when handled in the field, but allows tool-free removal for easy cleaning.

Typical Applications:

- Excellent for high pressure air blast and directed spray applications.
- Ideal for fungicides, insecticides, foliar fertilizer and related applications requiring thorough leaf coverage.

TXR CROSS SECTION



APPLICATION INFORMATION

		l/min																				
		2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar	11 bar	12 bar	13 bar	14 bar	15 bar	16 bar	17 bar	18 bar	19 bar	20 bar	21 bar	22 bar
	100	0.173	0.209	0.239	0.265	0.289	0.310	0.330	0.349	0.367	0.383	0.399	0.414	0.429	0.443	0.457	0.470	0.483	0.495	0.507	0.519	0.530
		VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	0.230	0.280	0.321	0.357	0.390	0.419	0.447	0.473	0.497	0.521	0.543	0.564	0.584	0.604	0.623	0.641	0.659	0.676	0.693	0.709	0.725
		F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	0.325	0.394	0.452	0.503	0.549	0.591	0.630	0.666	0.701	0.733	0.764	0.794	0.823	0.850	0.877	0.903	0.928	0.952	0.976	0.999	1.021
		F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	0.433	0.525	0.603	0.671	0.732	0.788	0.840	0.888	0.934	0.978	1.019	1.059	1.097	1.134	1.169	1.204	1.237	1.269	1.301	1.332	1.362
		F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	0.487	0.591	0.678	0.754	0.823	0.886	0.944	0.999	1.051	1.100	1.146	1.191	1.234	1.275	1.315	1.354	1.392	1.428	1.464	1.498	1.532
		F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	0.541	0.657	0.753	0.838	0.915	0.985	1.049	1.110	1.168	1.222	1.274	1.324	1.371	1.417	1.462	1.505	1.546	1.587	1.626	1.665	1.702
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	0.649	0.788	0.904	1.006	1.097	1.181	1.259	1.332	1.401	1.466	1.529	1.588	1.645	1.701	1.754	1.805	1.856	1.904	1.951	1.997	2.042
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	0.803	1.083	1.243	1.383	1.509	1.624	1.732	1.832	1.926	2.016	2.102	2.184	2.263	2.338	2.412	2.483	2.551	2.618	2.683	2.746	2.808
		F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	0.968	1.184	1.365	1.525	1.669	1.802	1.925	2.041	2.151	2.255	2.354	2.450	2.541	2.630	2.715	2.798	2.879	2.957	3.033	3.108	3.180
		F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	1.149	1.405	1.620	1.810	1.981	2.138	2.285	2.422	2.552	2.676	2.794	2.907	3.016	3.121	3.222	3.321	3.416	3.509	3.600	3.688	3.774
		F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	1.291	1.578	1.820	2.033	2.226	2.403	2.567	2.722	2.868	3.007	3.139	3.266	3.389	3.507	3.621	3.731	3.838	3.943	4.044	4.143	4.240
		F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF
	50	1.575	1.926	2.222	2.482	2.717	2.932	3.133	3.322	3.500	3.669	3.831	3.986	4.136	4.279	4.419	4.554	4.685	4.812	4.936	5.057	5.175
		F	F	F	F	F	F	F	F	F	F	F	VF	VF	VF	VF	VF	VF	VF	VF	VF	VF

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

PERSONAL PROTECTIVE EQUIPMENT

Your quality personal protective equipment supplier.



HARDI KENYA
can provide for
all your PPE
needs.

**Enquire if you
do not see
what you need.**



OXXA GRIP | Dry Flowers

Processing dry flowers, thorny and non-thorny.

- Palm protection
- Breathing



MAXX GRIP LITE | Non thorny Flowers

Processing non-thorny dry flowers.

- Good feel
- Palm protection
- Breathing



SHOWA 451 | Cold store

Cold store and boxing.

- Cold protection
- Palm protection



SHOWA 772 | Spraying extra long sleeve

Chemical store and spraying.

- 650mm sleeve
- Chemical protection
- Grip palm.



OXXA DOUBLE LATEX | Wet Flowers

Processing wet flowers, thorny and non-thorny.

- Waterproof
- Back protection
- Double Palm protection



RUBBER SPRAYING GLOVE

High quality, long lasting full rubber 43cm glove.

OXXA® WORK GLOVES | Cleaner Gloves

Fully PVC-coated, chemical resistant, cotton lined



SINGER GLOVES | Heavy Duty Grading Gloves

Fully coated Latex gloves, cotton lined. Rough grip surface. For packhouse use.



LEATHER HARVESTING GLOVES



FULL FACE MASK

Used in pesticide spraying and in the handling of chemical products.

**SINGER
FULL FACE
MASK**



TR 2002 "DUPLA"



TR 82

**HALF FACE MASK**

DUETTA



DMS



DMT

**FILTER CARTRIDGES**

Spaciani/ A2 / A2P3 / A2B2P3
Covering organic and inorganic compounds as well as particulates.

**EYE GOGGLES**

Good quality ventilated goggles for use with Half-Face mask.



SINGER 
safety

SPRAY SUIT

Crop Spraying Specialists

General purpose, Full-Body spray suit. Jacket and Trousers separate.



HARDI SPRAY SUIT

Jacket and trouser separate



GREEN PU COVERALL



HORTI SPRAY OVERALL

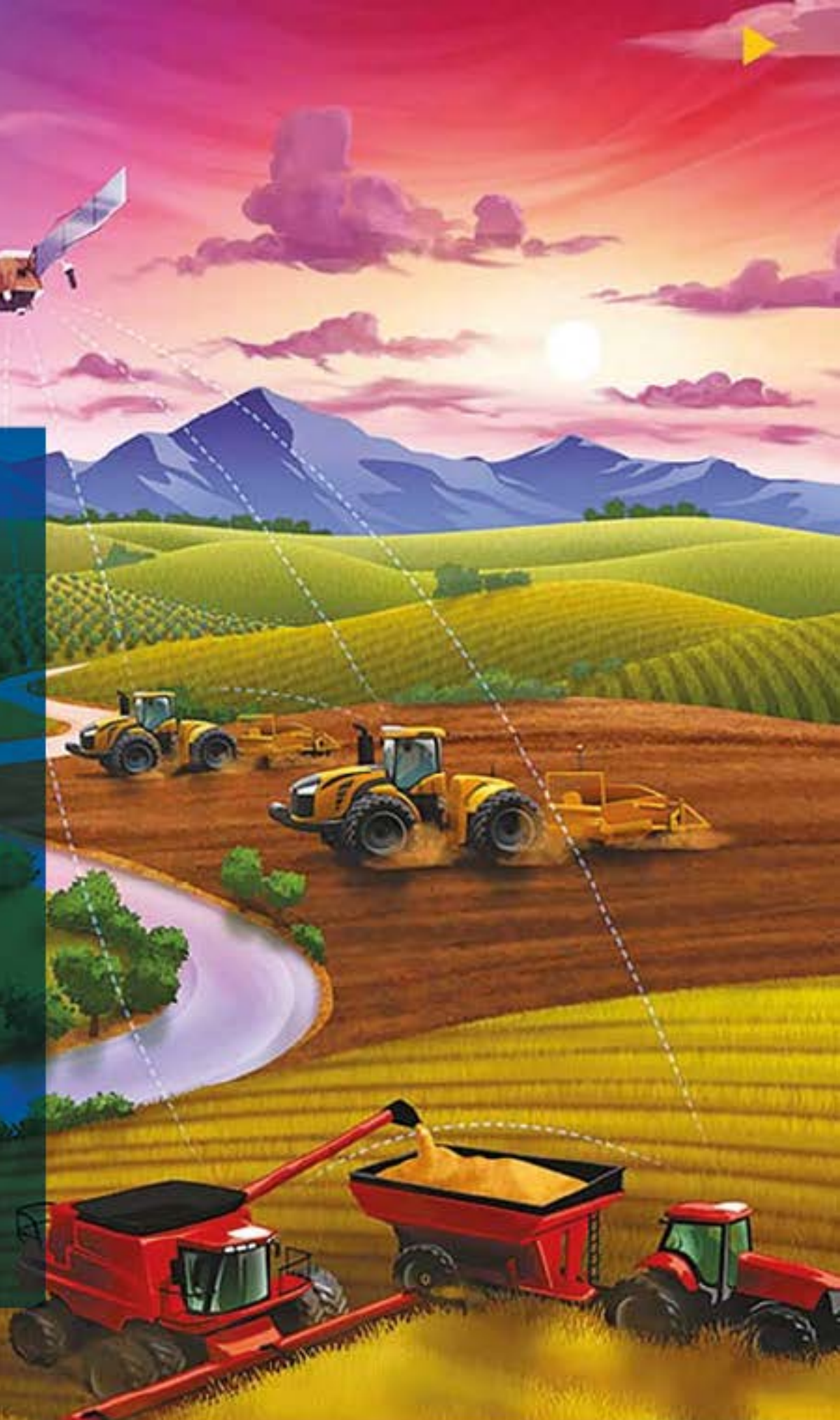
The ultimate in pesticide protection, using Breathable, patented material and heavy duty leg protection against tears and thorn damage.

FLEXOTHANE SPRAY SUIT



SIOEN

HARDI KENYA is the Official Partner for Trimble Agriculture in East Africa. With our highly trained technicians, we sell, train and support farmers in their journey to modernise their farming techniques. With Trimble's range of GFX Displays, NAV Controllers, AutoSteer, RTX Correction Services and Trimble Ag Software, farmers can benefit from advanced precision equipment to increase output and cut costs from soil preparation, through planting and spraying to harvesting.



Design the solution that fits your farm

Trimble's lineup of precision solutions makes it easy to add accuracy and efficiency to your operation. Talk to your local reseller to determine the best combination of hardware, software and positioning options to fit your needs.



TRANSFORMING THE WAY THE WORLD WORKS

Centimetre-level accuracy out of the box

Every new purchase of a NAV-900 guidance controller now includes Trimble's leading CenterPoint® RTX correction service for the first year, helping you maximise your investment in precision agriculture technology.

GFX display highlights:

- Multiple screen size options
- Precision-IQ operating system
- Compatible with NAV-500™ and NAV-900 guidance controllers
- Field-IQ™ crop input control system, ISOBUS and TUVR/Serial functionality
- A range of options for available input
- Bluetooth
- TeamViewer for enhanced support

GFX-1260

30 cm screen



GFX-1060

25 cm screen



GFX-350

17 cm screen



■ NAV-900/
960



■ Autopilot



■ ISO



■ NAV-500



■ Autopilot



■ Field-IQ

■ TUVR/Serial



■ EZ-Pilot®
Pro



■ EZ-Steer®









HARDI KENYA

CROP SPRAYING SPECIALISTS



HARDI KENYA LTD
CROP SPRAYING SPECIALISTS

Hardi Kenya Ltd,  Thika
P.O. Box 47409-00100 Nairobi, Kenya
 : 0723 615075 / 0791 800608  : sales@hardi.co.ke
 : www.hardi.co.ke  : [hardiKenya](https://www.facebook.com/hardiKenya)