

AGRO SHERIFF

AgriTech

PRODUCT CATALOGUE 2025





ABOUT US

Agrosheriff Ltd. established in 1999, is an agricultural technology integrator and producer of special equipment, based in Israel. We create individual projects for agricultural enterprises, develop technical and technological solutions for small, medium, and large producers of agricultural products worldwide. We are the only ones in Israel who provide our customers with extensive knowledge and experience enabling, to effectively apply modern agricultural technologies in your farm regardless of the size of the farm. One of our advantages is the opportunity to provide our clients with information, advice and technical support in their native language



Competitive advantage –
unique products and
lifetime aftercare service



The main priority are
small entities, small
farms, and individual
solutions

We have been working in the market of agricultural equipment and technologies for more than 20 years.

- We carry out projects of different levels of complexity, supply Israeli equipment, provide technical support, training and advice.

- Our feature – We have individual approach to each project. We successfully work with any-sized of agricultural entrepreneurs.

- Our goal is to provide agribusiness of ANY LEVEL the possibility of using innovative technologies, regardless of its size, providing the appropriate equipment and knowledge

Turnkey Projects

- Open Field
- Horticulture
- Agricultural and Medical Cannabis



Unique Solutions

- Irrigation kits
- Water management
- Animal husbandry
- Food processing
- Agricultural Machinery



Smart Upgrade

- Smart Farm integration
- Automation
- AI Solutions



Consultancy

- Planning
- After care services
- On-site and online agronomist



OUR SERVICES



OUR CATEGORIES



UNIQUE PRODUCTS



IRRIGATION

DRIP IRRIGATION

- Button Drippers
- Hydroloom Dripline
- Subsurface Irrigation

MICRO IRRIGATION

- Sprinklers
- Mini-sprinklers
- Foggers

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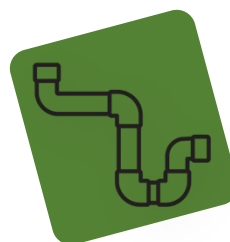
FERTIGATION

DOSING PUMPS



FERTIGATION UNITS

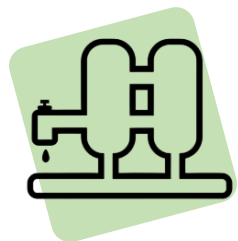
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FITTINGS & ACCESSORIES

- Threaded & Nut Lock Fittings
 - Barb Connectors
- Swivel & Compression fittings
 - Ball & Dripline valves
- Drip tape nut connectors
- Micro drip accessories
- Sprinklers & foggers accessories
 - Micro fittings

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FILTERS

- Manual Filters
- Semi-automatic Filters
- Automatic Filters & Filter stations
- Sand Separators (Hydrocyclone)

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AUTOMATION



AUTOMATION UNITS

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VALVES & PRESSURE REGULATORS

Solenoid Valves

- Pilot Valves
 - 2 Way & 3 Way Solenoids
- #### Pressure Regulators / Hydraulic Valves

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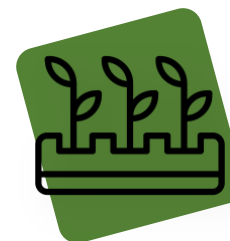
DIY KITS

IRRIGATION KITS

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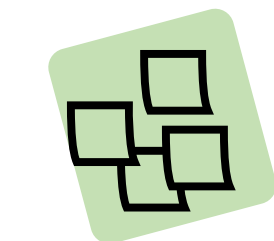


HYDROPONIC CONTAINERS

STRAWBERRIES

VEGETABLES & HERBS

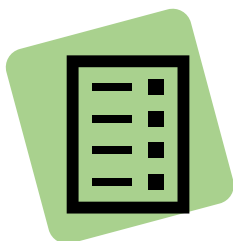
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AGRIMAX®

HEAT PADS

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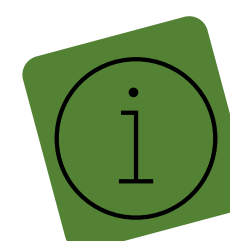
PD & SOFTWARE

PROJECT DEVELOPMENT

FertiCalc™

PestAlert™

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LEGEND

EMITTERS

APPLICATION

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DRIP IRRIGATION

Wide variety of drip irrigation systems for different crops, purposes and flow rates.

Contact us if you require additional drip irrigation flow rates or purposes.

Providing precision watering in controlled manner.

For best results combine with [Automation](#) and [Fertigation](#) system.



Subsurface Drip irrigation

Initially designed to provide long-term field crops - such as vineyards, orchards, row crops, etc. - the product can be installed for up to 10 years.

Flow rate : 1.0-3.4 bar

Price List : 21161



Button Drippers Katif

Pressure-compensated online dripper for universal use. Among the smallest PC drippers, the compact profile protects against damage. Self-cleaning.

Flow rate : 2.3, 3.75, 8.4 L/H

Price List : 21162



Hydrobloom Dripline

An 8 mm diameter non-compensated dripline is an excellent option for small greenhouses and landscaping projects within the home or office.

Flow rate : 1.2 L/H Max row length 25m

Price List : 21163



Driplines

Variety of outdoor and greenhouse driplines with emitters. For each emitter, precise water outflow ensures uniform watering.

Diameter : 16-25 mm

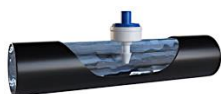
Flow rate : 0.85-10L

Wall Thickness : 0.4-1.25mm

Spacing : 20-100mm

Price List : 21164

Button Drippers Gali



The dripper is a non-draining, pressure-compensated on-line dripper. Self-cleaning.

Flow : 1, 2, 4, L/H

Price List : 21171

Dripper T Kit 2-way outlet



Non-draining compensated dripper. 2 outlets per dripper, for 2 small pots, or 1 big pot. Potted plants.

Flow : 2, 4, 8 L/H

Price List : 21172

Dripper T Kit 4-way outlet



Non-draining compensated dripper. 4 outlets per dripper, for 4 small pots, 2 medium or 1 big pot. Potted plants.

Flow : 2, 4, 8 L/H

Price List : 21173

Dripper S Kit 4-way outlet



Non-draining compensated dripper. 4 outlets per dripper, for 4 small pots, 2 medium, or 1 big pot. Plants in grow bags and pots.

Flow : 2, 4, 8 L/H

Price List : 21174

Dripper S Kit 2-way outlet



Non-draining compensated dripper. 2 outlets per dripper, for 2 small pots, or 1 big pot. Plants in grow bags and pots.

Flow : 2, 4, 8 L/H

Price List : 21175

Dripper S Kit 1-way outlet



Non-draining compensated dripper. 1 outlet per dripper, for 1 small pot. Plants in grow bags and pots.

Flow : 2, 4, 8 L/H

Price List : 21176



SPRINKLERS

Wide variety of irrigation sprinklers for different crops, purposes and flow rates

Contact us if you require additional sprinklers flow rates or purposes.

Providing precision watering in controlled manner.

For best results combine with [Automation](#) and [Fertigation](#) system.

80X Series



This time-proven series features a durable bridge and dynamic spray heads. Series 80x includes mini sprinklers 800, 801, and 803. Spray heads 806/806S, 807/809.

Pressure : 2.0-2.5 bar

Price List : 21283



8XX Series

A nozzle protection swivel prevents insects and dirt from entering this single-bridge mini sprinkler. Models, flow rates, and uniform distribution cover a wide range of applications. Models 831, 841, 850.

Pressure : 1.0-2.5 bar

Price List : 21284



4XXX Series

The 700 series features a thin needle inside the orifice that vibrates when in use, distributing fine droplets evenly.

Pressure : 1.5-2.2 bar

Price List : 21291



Trijet Series

Innovative emitters irrigate oil palm plantations and other trees planted widely. Water is sprayed directly into the root zone, reducing weed growth and water waste

Pressure : 0.7-2.5 bar

Price List : 21293



Peleg Series

Adjustable drips, sprays, and bubblers for any purpose. Spikes or buttons for direct pipe insertion. Features a removable spray cap and threaded base for easy maintenance. Excellent UV resistance.

Pressure : 0.7-2.0 bar

Price List : 21294

FOGGERS

Variety of irrigation foggers for different purposes, flow rates, and working pressure.

Contact us if you require additional foggers flow rates or purposes.

Providing precision watering in controlled manner.

For best results combine with [Automation](#) and [Fertigation](#) system.



4191 Series

Used for germination, rooting, and seedling. Suitable for humid environments. Creates a microclimate in greenhouses, chicken coops, and animal houses. Irrigation of single-bench plants.

Pressure : 1.5-5 bar

Price List : 212101



EXL Foggers

Specifically used to reduce temperature and add humidity to the air. Ideal for germination, rooting, and seedlings. Ideal for humidity-controlled environments. Creates microclimates in greenhouses, chicken coops, and animal houses.

Pressure : 2.5-5.5 bar

Price List : 212102



DOSING PUMPS

Fertilization is the injection of fertilizers into irrigation water.

Using this method, water-soluble nutrients are provided to plants in the optimal amount and mode.

Available flow rates from 1m³ to 25m³.

Precision application of fertilizer, into the root zone with define percentage.

For best results combine with [drip irrigation](#) and [automation](#).

Filtration required – [page 19](#)

MixRite 1 Series



Working pressure of 0.2-8 bars.

Flow Rate : 20 - 1,000 l/h

Price List : 221111

MixRite 2.5 Series



Working pressure of 0.2-8 bars.

Flow rate : 7 - 2,500 l/h

Price List : 221112

MixRite 3.5 Series



Working pressure of 0.2-8 bars.

Flow Rate : 10 - 3,500 l/h

Price List : 221113

MixRite TF-5 Series



Working pressure of 1-8 bars.

Flow Rate : 100 - 5,000 l/h

Price List : 221114

MixRite TF-10 Series



Working pressure of 1-8 bars.

Flow Rate : 50 - 10,000 l/h

Price List : 221115

MixRite TF-25 Series



Working pressure of 1-8 bars.

Flow Rate : 200 - 25,000 l/h

Price List : 221116

Available models for irrigation livestock, industrial, and carwash usage.

WIDE VIREITY OF DOSING PUMPS FOR DIFFERENT USAGE AND FLOWS



Standard



ByPass



PVDF



Chlorine



Poultry Medicator



Car Wash

1m³ 2.5m³ 3.5m³ 5m³ 10m³ 25m³



Scan QR for FertiCalc™



FERTIGATION UNITS

A device that provides plants with nutrients in the required and sufficient quantity in a continuous manner.

Integrates into an irrigation system.

Does not require electricity - is a water-driven proportioning injection pump

Each fertigation unit is designed in such a way that provides two circuit irrigation system:

For irrigation with clean water.

For irrigation with water soluble fertilizers.

Compact Model - Minimal space occupation

Combined Model - Combined both drip irrigation & Floggers / Sprinklers

Ferty Mega TP

Flow Rate Range : 120-10000 L/H
120-20000 L/H

Dosage Rate : 0.1%-1%
0.2%-2% 0.5%-5%

Pressure : 1.5-5 bar

Coupling : Thread / Compression

Trio-pumps : NPK Pump
Composition Adjustment Pump
Acidity Adjustment Pump

Price List : 222134

Ferty Mega QP

Flow Rate Range : 150-30000 L/H
600-75000 L/H

Dosage Rate : 0.1%-1% 0.3%-2.5% 1%-5.5%

Pressure : 1.5-5 bar

Coupling : Thread / Compression

Quartet-pumps : NPK Pump
2 Composition Adjustment /
Microelements Pumps
Acidity Adjustment Pump

Price List : 222133



Combined Model

Ferty Mini QS

Flow Rate Range : 20-1000 L/H

Dosage Rate : 0.1%-1%
0.2%-2% 0.4%-4% 2% Fix

Pressure : 0.8-5 bar

Coupling : Thread / Compression

Quartet-pumps : NPK Pump
Composition Adjustment Pump
Acidity Adjustment Pump
Leaf Nutrition Pump

Price List : 222121



Ferty Mini TS

Flow Rate Range : 20-1000 L/H

Dosage Rate : 0.1%-1%
0.2%-2% 0.4%-4% 2% Fix

Pressure : 0.2-5 bar

Coupling : Thread / Compression

Trio-pumps : NPK Pump
Composition Adjustment Pump
Acidity Adjustment Pump

Price List : 222122



Ferty Norm S

Flow Rate Range : 20-2400 L/H

Dosage Rate : 0.1%-0.9%
0.3%-2% 0.4%-4% 0.2% Fix
0.8% Fix

Pressure : 0.4-5 bar

Coupling : Thread / Compression

Solo-pumps : NPK Pump

Price List : 222123



Compact Model

Ferty Norm TS

Flow Rate Range : 20-2400 L/H

Dosage Rate : 0.1%-0.9%
0.3%-2% 0.4%-4% 0.2% Fix
0.8% Fix

Pressure : 0.8-5 bar

Coupling : Thread / Compression

Trio-pumps : NPK Pump
Composition Adjustment Pump
Acidity Adjustment Pump

Price List : 222131



Compact Model

Ferty Norm DS

Flow Rate Range : 20-2400 L/H

Dosage Rate : 0.1%-0.9%
0.3%-2% 0.4%-4% 0.2% Fix
0.8% Fix

Pressure : 0.5-5 bar

Coupling : Thread / Compression

Duo-pumps : NPK Pump
Acidity Adjustment Pump

Price List : 222124

Ferty Norm TP

Flow Rate Range : 60-7400 L/H
60-10000 L/H

Dosage Rate : 0.1%-1%
0.2%-2% 0.5%-5% 0.2% Fix
0.8% Fix

Pressure : 0.6-5 bar

Coupling : Thread / Compression

Trio-pumps : NPK Pump
Composition Adjustment Pump
Acidity Adjustment Pump

Price List : 222132



Compact Model

Ferty Set Plus QS

Flow Rate Range Drip Irrigation : 20-3400 L/H

Flow Rate Range Leaf Nutrition : 100-4800 L/H

Dosage Rate For Leaf Nutrition : 0.1%-1% 0.2%-2% 0.5%-5%

Dosage Rate Drip Irrigation : 0.1%-0.9% 0.3%-2% 0.4%-4%
0.8% Fix 0.2% Fix

Pressure : 1-5 bar

Coupling : Thread / Compression

Quartet-pumps : NPK Pump
Composition Adjustment Pump
Acidity Adjustment Pump
Leaf Nutrition Pump

Price List : 222141



Combined Model

Ferty Set QS

Flow Rate Range : 20-3400 L/H

Dosage Rate : 0.1%-1%
0.3%-2% 0.4%-4% 0.2% Fix
0.8% Fix

Pressure : 0.8-5 bar

Coupling : Thread / Compression

Quartet-pumps : NPK Pump
Composition Adjustment Pump
Acidity Adjustment Pump
Leaf Nutrition Pump

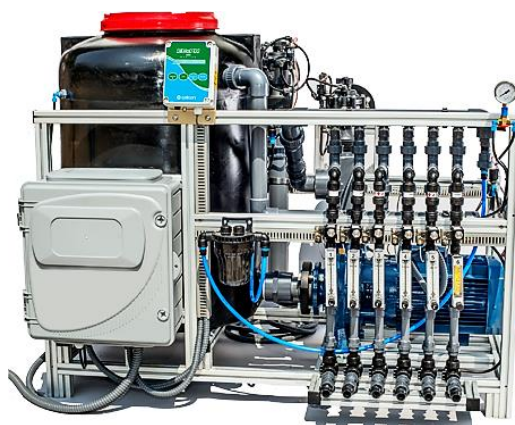
Price List : 222142

Mixer-based fertilizer system with open tank for maximum precision, which includes pH/EC control, mixing tank enabling full control of the fertilizer mixture, providing pressure to the irrigation system by means of the water pump installed in the Fertymix machine, operated by the Galileo controller.

Stir the fertilizer mixture in the container before watering, according to precise pH/EC control.

• The system has 8 fertilizer channels that are activated simultaneously while fully synchronized.

• The FERTIMIX machine includes full irrigation head – pressure pump for irrigation and injection of fertilizer, water meter, main body, a pressure safeguard, and mixing tank.



Combined Model

FertyMix Matrix

Flow Rate Range : 5 m³/h, 30 m height

Dosage Rate : 8 x 50 l/h + fertilizer meters

Pressure : 3.5-4.5 bar

Coupling : Thread / Compression

Quartet-pumps : Up to 8 different fertilizer combinations

Price List : 222143



FITTINGS and ACCESSORIES

We offer a wide range of connectors designed for seamless installation of irrigation systems. All components are resistant to fertilizers, ensuring durability and long-term performance.

If you require additional fittings, threads, sizes, or specific working pressures, feel free to contact us. We provide the necessary components to ensure proper installation, using only high-quality materials for reliable and efficient system operation.



Threaded Fittings

Long life, durability, and resistance to breakage with extra strong design. Wide grip for easy assembly.

Material: PP

Pressure : 16 bar (230 psi)

Threads : BSPT

Size : 1/2" - 2"

Price List : 231151



Barb Fittings

Flexible leak-free joint. Minimal flow restrictions.

Suitable for working with chemicals and outdoors.

Material - Acetal.

Pressure : 8 bar (116 psi)

Threads : BSPT

Size : 12 - 25 mm

Price List : 231152



Swivel Fittings

Swivel fitted with O-Ring standard - no Teflon required for sealing. Materials - Body and Swivel: PP Gasket: EPDM

Pressure : 10 bar (145 psi)

Threads : BSPT

Size : 3/4" - 2"

Price List : 231153



Nut Lock Fittings

Strong and durable fittings that will stand the test of time. This product is designed for ease of use and tight water connection.

Pressure : 10 bar (145 psi)

Threads : BSPT

Size : 16, 20, 25 mm

Price List : 231154



Manifolds

Swivel fitted with O-Ring as standard - no Teflon required for sealing.

Materials:
Body and Swivel: PP
Gasket: EPDM

Pressure : 10 bar (145 psi)

Threads : BSPT

Size : 1"

Price List : 231161



Drip Tape Nut connectors

Used for drip tape, OD with or without seam. Inverted thread for easy assembly. Nut Connectors: Wall thickness 4-45 mil, (0.1-1.1 mm). Materials: PP body and Nut

Pressure : 8 bar (116 psi)

Threads : BSPT and NPT

Size : 16-17, 22, 25 mm

Price List : 231163



Ball Valves

Wide range of connections:
Thread: Male/Female
1/2"-2" Swivel: 3/4"-2"
Materials: PP body and Nut

Pressure : 16 bar (232 psi)

Threads : BSPT

Size : 1.5" - 2" (15-50mm)

Price List : 231162

Thread Lock Saddle Clamp



High pressure saddles without bolts. Quick and easy assembly and maintenance. Install without tools. No metal parts = No corrosion

Pressure : 10 bar (140 psi)

Threads : BSPT and NPT

Size : 20X1/2" to 63X1 1/2"

Price List : 231172

Micro Drip Accessories



Wide range of connections.

For 3/5 tube and button drippers assembling.

Size : 3/5 tube

Price List : 231173

Mini Barb Connectors



Wide range of connections.

For 8 mm and 6 mm tube connecting.

Size : 8 and 6 tube

Price List : 231174

Sprinkler Connectors



Wide range of connections.

For 4/7 tube and sprinklers assembling.

Size : 4/7 tube

Price List : 231171



FILTERS IRRIGATION

The quality of water used for irrigation is an important aspect for the smooth operation of irrigation systems and their service life. Therefore, properly selected filtration is the key to the durability of any irrigation system.

Contact us if you require additional filters diameter, range, flow rates or purposes.

Giving the ability, to filter the water in manual, semi or automatic manner.

Manual Filter S/D



Two main types of filters elements: screen filters and disc filters

Diameter :	¾" – 3"
Filter Range :	40-200 Mesh (70-425 mic)
Flow rate :	3-50 m³/h
Price List :	241181

Manual Filter D55



Irrigation disc filter 55 mic - for foggers irrigation systems

Diameter :	¾"
Filter Range :	260 Mesh (55 mic)
Flow rate :	5 m³/h
Price List :	241182

Semi Automatic Filters



A filter element can be either a disk or a screen that can be used for the purpose of filtering

Diameter :	2", 3"
Filter Range :	80-200 Mesh (70-200 mic)
Flow rate :	25-50 m³/h
Price List :	241183

Automatic Filter Batteries



Filters with the capability of self-cleaning in an automatic mode. Element of disk filtration

Diameter :	2", 3"
Filter Range :	40-700 Mesh (20-425 mic)
Flow rate :	40-400 m³/h
Price List :	241184

Sand Separators Hydrocyclone



Designed for sand removal, the Hydro cyclone is an essential part of any filtration system where sand is an issue

Diameter :	2"
Filter Range :	100-297 Mesh (50-150 mic)
Flow rate :	Up to 125 m³/h
Price List :	241185

Semi Automatic Filters Batteries



It allows the user to flush the filter without disassembling it. Screen or disk filtration element

Diameter :	2", 3"
Filter Range :	80-200 Mesh (70-200 mic)
Flow rate :	40-200 m³/h
Price List :	241186

AIR VALVES

Automatic air release valves release accumulated air while the system is under pressure.

A water system with air can result in decreased flow and increased heat loss. Also, unwanted air may cause water hammers and metering errors.

Contact us if you require additional air valves sizes or purposes.

For best results, combine with a [fertigation unit](#).

Air Valve SG-10



Automatic Air Release Valve. Releases trapped air from pressurized systems. Installed after filters, pressure reducers, and fertilizer injection systems.

Diameters :	½", ¾"
Pressure :	0.2 – 16 bar
Thread :	Male
Price List :	271241

Air Valve AV-10



Automatic Air Release Valve. AV-10 Air & Vacuum Valve discharges air when the system is being filled or charged and admits air when the system is being drained.

Diameters :	¾", 1", 2", 3"
Pressure :	0.2 – 10 bar
Thread:	Male / Female
Price List :	271242

Air Valves variety



Different sizes and types of air valves with a range of pressures, threads, and diameters are available.

Diameters :	¼, ¾", 1", 2", 3"
Pressure :	0.05 – 10 bar
Thread:	Male / Female
Price List:	271243



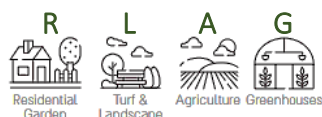
DC IRRIGATION CONTROLLERS

Huge variety of automation controllers from small 1 irrigation zones to 12 irrigation zones.

From 1 small affordable controller to All-in-One automation units.

Giving the ability, irrigate the plants few times a day or an hour in an automated mode. Each valve can be programmed independently.

LEGEND



LEGEND PAGE 17

AC IRRIGATION CONTROLLERS

From 4 irrigation zones and up to 24 irrigation zones. If you require additional valve controllers, please contact us.

Giving the ability, irrigate the plants few times a day or an hour in an automated mode. Each valve can be programmed independently.

For best results combine with [drip irrigation](#) and [Fertigation](#) system.

Solenoid valve required – [page 22](#)

An advanced modular controller for irrigation, fertigation and climate control in greenhouses and in large, complex areas with multiple valves and various hydraulic elements.

Greenhouse irrigation software combines an irrigation system with up to 4 climate control systems in the same controller. The irrigation system for greenhouses consists of one irrigation head with a fertilizer centre that performs sophisticated fertilizer injection of up to 8 different fertilizers.

For best results combine with [drip irrigation](#) and [Fertigation](#) system.

Solenoid valve required – [page 22](#)

6200 Series



Timer based – irrigation controller, battery powered. (Window type opt.)

Valves : Up to 12

Usage : L, A, G

Min. water Dur. : From 1 sec.

Price List : 252191

6100 Series



Timer based – battery powered controller / smartphone (Bluetooth)

Valves : 1-6

Usage : R, L, G

Min. water Dur. : From 1 sec.

Price List : 252192

liri Series



Smartphone-controlled window irrigation controller (BT) – battery powered

Valves : 1

Usage : R, L, G

Min. water Dur. : From 10 sec.

Price List : 252193

7000 Series



Smartphone-controlled window irrigation controller (BT) – battery powered (Rain sensor opt.)

Valves : 1

Usage : R, L, G

Min. water Dur. : From 1 min.

Price List : 252194

G75 Series



Precision controller - powered battery activated. (Window type opt.)

Valves : 1-2 + Master

Usage : R, L, G

Min. water Dur. : From 1 sec.

Price List : 252195

8000 Series



The irrigation controller allows independent programming of each valve, ideal for lawns, drip irrigation systems, sprinklers, and basic agriculture. The controller has options for 4, 6, 9 and 12 valves. Smartphone BT optional.

Valves : Up to 12

Usage : R, L, A, G

Min. water Dur. : From 1 sec.

Price List : 252201

GSI Series



Advanced cloud / web-based controllers GSI and Galileo series. Analog and wi-fi operated. Up to 24 digital and 16 analogue O/P. Up to 16 inputs. Contact us for more information.

Valves : Up to 24

Usage : A, G

Min. water Dur. : From 1 sec.

Price List : 252202

80024 Series



The controller features auxiliary programs for lighting and additional, independent electrical activation, as well as variable irrigation and fertigation zones. The controller operates for 8-24 valves.

Valves : Up to 24

Usage : A, G

Min. water Dur. : From 1 min.

Price List : 252203

Galileo Series



Climate Control : Optional.

Up to 4 cells in one controller

Sensors : Indoor – Temp. Hum. CO²

Outdoor – Wind Sp. + Dir. Rad. Rain, OTemp. OHum.

Windows / Curtains : Up to 10

Shading : Long / Short

Fans : Up to 4 groups

Thermal : Up to 4 screens

Cooling : Wet Pads / Misting

Heating : Water / Air – PID Control

CO² : Enrichment Control

Air Circulation : Total Control up to 6 Ventilators

Spraying : Optimal with Win. Ven. Cool.

Programs : Up to 50 fertigation

Up to 100 irrigation

Usage : A, G

Min. water Dur. : From 1 sec.

Price List : 252204



SOLENOID VALVES

Electromechanically operated valves.

An integral part of automation and control systems.

Contact us if you require additional solenoid valves sizes or purposes.

Providing precision watering in controlled manner.

For best results combine with [drip irrigation](#) and [Fertigation](#) system.

Solenoid Valves 24V AC NC



Solenoid valves for electricity powered control.
Contact us for bigger diameters.

Diameters : From 1/2" +

Powered : AC

Price List : 261221

Solenoid Valves Latch NC



Solenoid valves for latch impulse – battery powered control.
Contact us for bigger diameters.

Diameters : 1/2", 3/4", 1", 1 1/2", 2"

Powered : DC

Price List : 261222

Variety 2- & 3-way, Pilot



Large selection of 2 / 3 way solenoids, including high-pressure solutions and flow rate adjustable solenoids, and Pilot valves.

Diameters : 1/8", 1/4"

Powered : DC/AC

Price List : 261223

PRESSURE REGULATORS

Water pressure regulators (reducers) are special devices that allow to regulate the pressure of the water flow.

They help reduce the fluid supply force to an acceptable level, prevent water hammer and failure of devices and equipment used in irrigation systems.

For best results, combine with a [fertigation unit](#).

Pressure Reduces



Adjustable direct acting pressure reducer.

Mechanical operation.

Sizes : 3/4" | 1"

Pressure : 0.7-9 bar

Flow Rate : 0.2 – 7m³

Price List : 262231

Hydraulic Pressure regulators



Provide compact, efficient and accurate high flow pressure reducers.
Hydraulic operation.

Sizes : From 1" +

Pressure : From 0.7 bar +

Flow Rate : From 2.5m³ +

Price List : 262232

Hydraulic Valve



The purpose of a flow control valve is to regulate the flow rate in a specific portion of a hydraulic circuit.

Sizes : From 3/4" +

Pressure : From 0.3 bar +

Flow Rate : 0.7-9m³

Price List : 262233



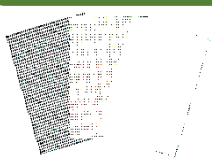
NETS

Protect your crops with specially designed nets made of durable materials that have a long service life.

Variety of usage: shading, darkening, energy saving, protection against insect pests, birds, wind and hail.

Shelter your crop from the environment, minimizing its negative impact.

Anti-Insect



Alternatives to pesticides prevent pests from entering crop environments. Insect nets differ by the size of their holes.

Variant : 17 mesh, 25 mesh, 40 and, 50

Usage : P, R, Q

Price List : 282251

OptiNet



Physical and optical protection against insects. Nets contain optical additives (non-toxic) that blind and repel insects.

Variant : 17 mesh, 25 mesh, 40 and, 50

Usage : P, R, Q

Price List : 282252

Shade



Light dispersion control, reduction of temperatures during the day, protection from direct sunlight.

Variant : Aluminet O, I. Color: BK, RD, Pearl, Silver

Usage : P, R, Q

Price List : 282253

Thermal



Among its benefits are climate control, protection from direct sunlight, and energy efficiency.

Variant : Aluminet IC

Usage : P, R, Q, M

Price List : 282254

Darkening



A technological solution for regulating daylight hours and the intensity of light throughout the day.

Variant : Aluminet DS, Aluminet TDS

Usage : P, R, Q

Price List : 282255

Birds & Hail Protection



The net has been designed to prevent penetration by hail and birds.

Variant : Color: Cristal, BK, RD, GY, YL

Usage : P, R, Q

Price List : 282256

LEGEND



LEGEND PAGE 17

FILMS

Protect your crops with specially designed films made of high-quality PE with UV protection.

Features: anti-dust, anti-virus, thermal, anti-mist, anti-drip, light diffusion.

Keeping your crops protected from the environment ensuring that growth without being adversely affected.



Greenhouse

Multi-feature PE films for greenhouses and low tunnels covering:
Thermal effect, anti-virus effect, anti-mist, anti-dust, light diffusion, anti-drip, and UV protection.

Thickness : 100-250 mic

Size : Tailor made W & L

Price List : 282261



Mulch

Advanced multilayer mulch films are manufactured by blow film co-extrusion and casting (flat die) extrusion. UV-protective, these films are available embossed (cast) or smooth (blown) and in a wide range of thicknesses and widths to suit growers' requirements.

Thickness : 25-50 mic

Size : Tailor made W & L

Price List : 282262



TOOLS & MEASURING INST

Variety of tools and measuring instruments for different equipment and purposes.

Contact us if you require additional tools or measuring instruments purposes.

Punchers

Tool for holing pipes with high quality punch tip



Size : Hole 3 & 4mm | Pipe 16-32mm

Price List : 291271

Inserters

A tool for stabbing button drippers and sprinkler connectors into pipes



Size : Pipe diam. 16-32 mm

Price List : 291272

TDS & conductivity meter

Measurement range

Conductivity: 0-9990 us/cm

TDS: 0-5000 ppm



Price List : 291273

Pen-type pH Meter

Measurement range:

0.00-14.00 pH

Resolution: 0.01 pH



Price List : 291274

OTHER DEVICES

Various add-on devices for monitoring, control, climate control, etc.

Administrates appropriate technological processes.

Greenhouse application.

Weekly Programmable Timer



Managing auxiliary lighting, evaporators, greenhouse curtains, fans, etc. Daily programs. Week-ahead pre-setting

Voltage : AC 220 V, 50/60 Hz

Usage : G

Price List : 253211

Intelligent Temp. & Humidity Sensor



Sensor for greenhouse temperature and humidity.

Range: Temp. 0-100°C

Humidity 0-100% RH

Voltage : 220 V AC / 24 V DC

Usage : G

Price List : 253212

Fertilizer Flow meter



Used to measure the fertilizers and chemicals introduced into a computerized irrigation system. Flow rate 25-500 l/h

Pressure : 5 bar

Usage : A, G

Price List : 253213

Evaporator



Disperses insecticides and antifungal materials over plants.

Voltage : 230V AC

Usage : G

Price List : 253214

Active air humidifier



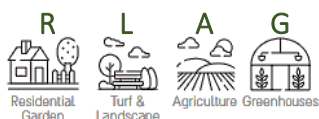
Using a fan, nebulized water mixes with air to create humidified air. 5 m moisture flow. Controller included.

Voltage : 220V AC / 24 V DC

Usage : G

Price List : 253215

LEGEND

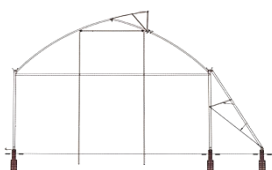




GREENHOUSE STRUCTURES

Prefabricated & assembled on site by means of bolts, nuts and washers only, without any welding, enabling easy implementing and full adaptation to all related sub systems used in modern greenhouse production.

Open Top

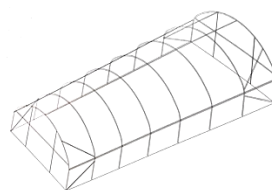


Multi Span

Whether in cold regions or hot and arid regions, multi-span greenhouse offers the highest level of volume and performance.

Size : Range of widths and heights

Price List : 2101281



Tunnel

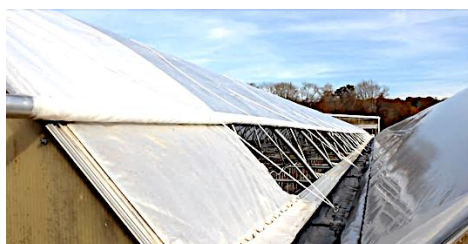
Open-ended film doors provide ventilation without requiring a dedicated system. Costs are lower for tunnel greenhouses. Quick rotation of seasonal crops. Best for seedlings. Hail, wind, frost, excessive precipitation, and pests are protected by tunnels.

Size: Range of widths and heights

Price List : 2101282

A greenhouse is 10 times more productive per square meter than traditional agriculture. It creates a controlled microclimate, protects from pests, and uses sensors for data-driven control of light and ventilation. For hydroponics, we recommend cementing the floor or using a designed ground cover to prevent pests from entering through the ground.

For special climates, we suggest a hybrid GrenetHouse©—a combination of greenhouse and nethouse that can transform automatically using rain, temperature, and humidity sensors, or manually with the press of a button.

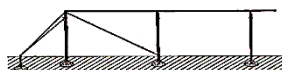


NETHOUSE STRUCTURES

Facility covered with anti-insect nets, combining the advantages of open-field and greenhouse cultivation. Affordable compared to greenhouses.

Prefabricated & assembled on site without any welding.

Net Houses reduce light intensity and effective heat during the day to allow crops to grow under controlled conditions. Shade percentages and factors are available on the [nets](#) page.



Flat

Flat roof design - the simplest and cheapest, used in regions with a dry climate (where there is no precipitation) or for seasonal use (the mesh is dismantled for the precipitation period).

Size : Tailor made

Price List : 2102291



Two - Slope

A two-slope roof is a versatile solution suitable for any climate.

Winter snow requires the mesh to be removed in cold climates.

Size: Tailor made

Price List : 2102292

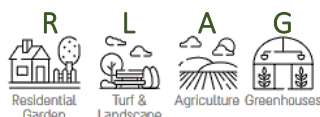


DIY KITS

Variety of DIY kits for your home, garden and farm. Equipped with precise agriculture technologies. Automated controllers, drip irrigation, fertilizer dosing pumps, filters and more.

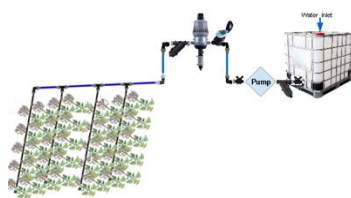
All to ensure simple, yet responsible agricultural practices, with minimum efforts.

LEGEND



LEGEND PAGE 17

iGro© Kit



Complete designed kit to irrigate your crops, ideal for in-field applications, provide automatic uniformity irrigation, even for sloping terrain.

Maximize Yield

Usage : R, L, A, G

Price List : 2111301

HomeGarden© Kit



Irrigation kit designed for urban applications (hobby greenhouse, garden, landscaping). Effectively provide automatic irrigation and fertigation.

Set your own automated garden

Usage : R, L, G

Price List : 2111302

iLawn© Kit



Minimalistic designed kit, for manual control of drip irrigation operation. The cheapest option to simplify your irrigation.

Save time and water

Usage : R, L, G

Price List : 2111303

GOLDA© Kit



Complete designed kit to irrigate your vegetables, herbs and berries, ideal for urban applications (balcony, garden, rooftop etc). Provide automatic uniformity irrigation for all pots, regardless of location level.

Grow your own food.

Usage : R, G

Price List : 2111311

iNursery© Kit



Designed to irrigate seedlings and leafy vegetables (with additional fertigation and drip irrigation). Regardless of location level, provide automatic uniformity irrigation. Space-saving vertical facility.

Automated seedlings.

Usage : R, L, A, G

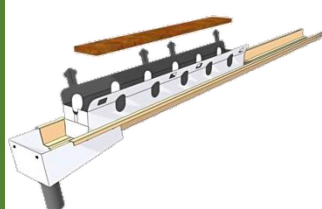
Price List : 2111312

HYDROPONIC CONTAINERS

Variety of hydroponics installation containers for different crops, and sizes.

Contact us if you require additional containers for different crops or purposes.

Strawberry

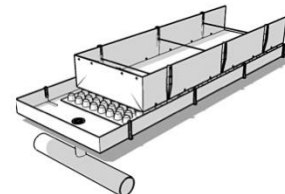


PVC 110 gutters allow growing more plants per square meter (up to 20 plants per square meter), maximizing greenhouse space and boosting returns. A full system includes PVC gutters, growing containers, and drainage

Size: 10 x 100 cm

Price List : 2121321

Vegetables and Herbs



Trough system with drainage holes and drainage collection is convenient and efficient system includes trough, drainage spacer, drainage envelope and assembly accessories.

Wide range of widths and heights

Size: Tailor made length

Price List : 2121322



AGRIMAX® Heat

Width : 30cm / 60cm / 90cm etc.

Length : 2.31m / 2.92m / 3.23m / 3.85m

Flow Rate : 0.6 – 12 m³/h

Pressure : 4 bar (60 PSI) at 60°C (140°F)

Price List : 213131

Heating system creates an optimal environment and boosts growth cycles, therefore increasing production over a short period of time. Cycles hot water – affordable and convenient.

Ideal for cold regions.



Resistant to corrosion, lime-scale, salts and fertilizers



Uniformed heat distribution



Cost saving system – identical energy consumption regardless of the area.



Constant and controlled temperature at the root zone.



Safe environment – electricity free.

AgriMax® is installed at the base of propagation units, providing an efficient system for maintaining optimal growing conditions for plants.

By utilizing a network of plastic tubes, hot water circulates evenly throughout the system, gently warming the root zone and promoting healthy growth. This even distribution of warmth ensures that plants receive consistent heat where it matters most, enhancing their ability to absorb nutrients and develop strong roots.

The water temperature within the **AgriMax®** system is precisely controlled, remaining constant and adjustable to meet the specific needs of various plants at different growth stages.

This flexibility allows growers to create an ideal environment for propagation, ensuring that each plant variety receives the exact conditions required for successful germination and root development.

The system is designed for efficiency, reducing energy waste while maximizing plant health and growth potential.



Flexible and simple to assemble and dismantle



Resistant to corrosion, lime-scale, salts and fertilizers



Easy to clean and sanitize



Safe environment – Electricity free



Long shelf life



Agricultural project development requires a meticulous design to guarantee efficient resource utilization, optimal crop yields, and adherence to sustainable farming practices.

The planning process covers a wide range of critical elements, including selecting appropriate equipment, designing water supply schemes, integrating advanced irrigation systems, and incorporating fertigation units and climate control mechanisms to create a cohesive system.

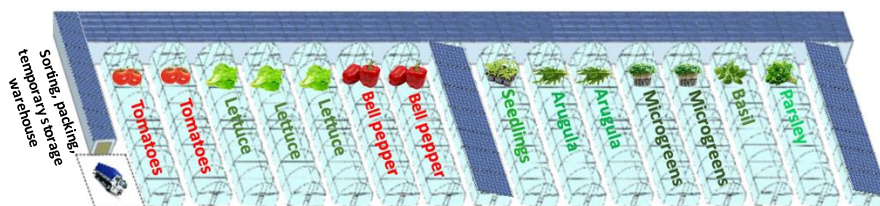
Typically, the project design includes 40-90 pages, detailing each aspect of the project from start to finish. These comprehensive documents ensure that all technical, environmental, and operational considerations are addressed.

Depending on the project's size and complexity, the timeline for completing the design can range from 2 weeks to 1 month.

Project Development Design

The project design cost will be deducted from the final quotation for equipment if proceed with our supply of equipment, providing it as a discount, or code coupon to purchase from our website.

Productive, Comfortable, Conservative



16 tunnel greenhouses of various specializations, greenhouses area of 1 ha.

The crops and area are for example only, and should be changed according to the marketing strategy

1. Project Scope and Land Type

Open Field Projects: Ranging from small plots of 1,501 sqm to large expanses over 5 Ha, these designs are suited for traditional farming practices. They require a focus on maximizing space utilization while ensuring water and nutrient delivery systems are efficient.

Protected Field Projects (Greenhouse/Nethouse): These designs cater to environments that require controlled climate conditions, making them ideal for high-value crops. The emphasis is on precision agriculture with advanced climate control, irrigation, and fertigation systems.

2. Water Supply Scheme and Distribution

Water Source and Delivery: The water supply scheme starts with identifying a reliable water source, such as a well, reservoir, or nearby river. Pumping stations and pipelines are then designed to deliver water efficiently across the entire field.

Zonal Water Distribution: Water distribution is divided into zones based on crop requirements, soil type, and topography. Each zone is designed to receive water through a network of pipes and valves, ensuring even distribution and minimizing waste.

3. Irrigation Systems

Drip Irrigation: Ideal for open fields and protected fields alike, drip irrigation delivers water directly to the root zone of each plant. The system is designed with emitters that provide a precise flow rate, typically ranging from 2 to 4 liters per hour, depending on the crop.

Foggers: Used in greenhouses to maintain humidity and cool the environment, foggers deliver water in the form of fine mist. The flow rate varies based on the crop's moisture needs and the greenhouse's size, typically between 4 to 6 liters per hour per fogger.

4. Climate Control: Fans, Evaporators, and Foggers.

Fans: Strategically placed to ensure uniform air circulation, fans help in maintaining the desired temperature and humidity levels within the protected field. The number and placement of fans depend on the greenhouse size and the crop's specific climate requirements.

Evaporative Cooling Systems: These systems utilize evaporators placed near the air intakes, cooling the incoming air and maintaining optimal temperatures. The evaporators' capacity is calculated based on the greenhouse volume and the external climate conditions.

5. Fertigation Systems

Fertigation Unit Selection: The fertigation unit is chosen based on the crop type, field size, and water flow rate. It integrates with the irrigation system, allowing precise control over fertilizer application, ensuring that nutrients are delivered directly to the root zone.

Fertilizer Application: Depending on the crop's growth stage and nutritional needs, fertilizers are applied in liquid form through the irrigation system. This method ensures uniform distribution and reduces the risk of over-fertilization.

6. Cost Considerations

Below are examples of pricing for project design:

Open Field: 1,501-5,000 sqm: \$0.40/sqm | 5,001-10,000 sqm: \$0.30/sqm | 10,001-50,000 sqm: \$0.20/sqm | 5 Ha +: \$0.15/sqm

Protected Field (Greenhouse/Nethouse): 500-1,000 sqm: \$2.20/sqm | 1,001-3,000 sqm: \$2.00/sqm | 3,001-5,000 sqm: \$1.80/sqm | 5,001-10,000 sqm: \$1.40/sqm | 1 Ha +: \$1.20/sqm

7. Additional Considerations

Automation and Control Systems: Advanced automation systems can be integrated to monitor and control irrigation, climate, and fertigation processes, ensuring precision and efficiency.

Sustainability: Incorporating renewable energy sources, such as solar power for pumping stations, can reduce operational costs and enhance the sustainability of the project.

A well-designed agricultural project development plan not only maximizes crop yield and resource efficiency but also ensures the sustainability of the farming operation. By considering the specific needs of the land, crop, and environmental conditions, the project design tailored to achieve best results, at optimal cost.



Secure Access – For Verified AgroSheriff Users Only
Access to FertiCalc™ is restricted to AgroSheriff customers.

Each purchase of a dosing pump or fertigation unit comes with a unique username and password, granting exclusive access to the system. This ensures the tool is used correctly and remains tailored to supported hardware.

Quick Setup: Terms & Conditions Acceptance

Before using the tool, users must acknowledge they understand the terms and conditions. This protects proper use and maintains accuracy standards.

FertiCalc™

PRECISION FERTILIZER & IRRIGATION CALCULATOR

FertiCalc™ is a proprietary web-based tool developed by AgroSheriff Ltd., designed to help farmers and growers accurately calculate the optimal fertilizer mix and irrigation cycle based on real-time field conditions.

Created specifically for users of AgroSheriff's dosing pumps and fertigation units, FertiCalc™ eliminates guesswork and delivers science-based recommendations for high-efficiency fertigation.

Two Powerful Modules in One System

1. Fertilizer Calculator (NPK + Acid Dosing)

Calculates the exact amount (in grams) of locally available water-soluble fertilizers needed to reach target Nitrogen (N), Phosphorus (P), and Potassium (K) values.

Based on standard 10-liter solution batches for precision fertigation.

Computes the required acid dosing (grams) to adjust solution pH to optimal levels.

Compatible with systems using multiple dosing pumps, separating incompatible fertilizers and ensuring system safety.

Flexible for both soil-based and hydroponic farming setups.

2. Irrigation Cycle Calculator

Suggests initial irrigation timing and duration, automatically adjusted based on:

Soil humidity level

Sunlight intensity or exposure

Current pH of the soil

Ensures optimal water use efficiency, minimizes nutrient leaching, and avoids over-irrigation.

Built for real-world farm variability — perfect for initial setups and crop cycle adjustments.

How to Use FertiCalc™

Login using provided credentials (issued with AgroSheriff dosing/fertigation unit):

Accept terms and conditions to proceed.

Select:

1. Fertigation system type (Soil / Hydroponic)
2. Crop type
3. Number of dosing pumps

Input:

1. Fertilizer NPK values (from locally sourced materials)
2. Environmental conditions (soil humidity, sunlight exposure, pH)

Receive:

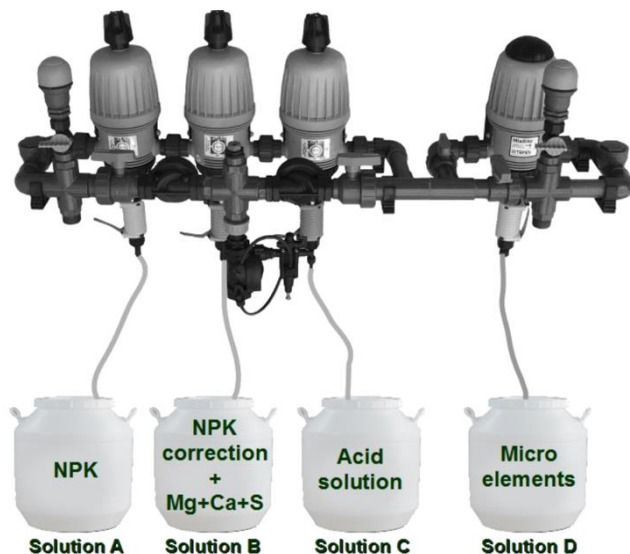
- Fertilizer and acid quantities (in grams) per 10 liters
- Recommended irrigation cycle (based on field data)

Benefits of FertiCalc™

- Precision Farming: No more trial and error—just data-driven results.
- Local Fertilizer Compatibility: Tailors calculations to fertilizers you already have access to.
- Cost-Efficient Irrigation: Prevents overwatering and fertilizer loss.
- Plug & Play for AgroSheriff Users: Fully optimized for our fertigation systems.
- Smart Crop Management: Combine fertigation and irrigation insights for better ROI and healthier crops.

FertiCalc™ is not just a calculator—it's your personal digital agronomist, engineered to help you achieve maximum yield with minimum waste.

For support, please contact us at info@agrosheff.net



Scan QR for FertiCalc™



PestAlert™ leverages the combined power of historical pest datasets, geospatial crop patterns, current weather variables, and seasonality models to provide localized risk assessments. The result is a dynamic system that delivers not only an overview of pest pressure across a region, but specific, field-level insights based on crop type, geography, and historical vulnerability.

PestAlert™ provides an intuitive and interactive experience through a professionally designed dashboard. With just a few inputs — such as location and crop type — users instantly unlock:

✓ **Pest Incidence History:**

A breakdown of pest activity in the selected area over the past 5–10 years. Visual graphs display seasonal peaks, species recurrence, and historical severity levels for each pest relevant to the chosen crop.

✓ **Pest Risk Score:**

A proprietary engine calculates a real-time pest risk score (0–100), giving a clear snapshot of current and near-term threat levels based on sightings, weather, seasonality, and pest patterns.

✓ **Pest Risk Score:**

A proprietary scoring engine generates a real-time pest risk score (from 0 to 100), giving users a clear, quantifiable understanding of current and short-term pest pressure. Scores are derived from multiple data streams including pest behavior patterns, recent sightings, weather trends, and agronomic seasonality.

✓ **Forecasted Threat Analysis:**

PestAlert™ includes a powerful forecasting engine that projects likely pest activity for the next 7, 14, or 30 days. Using agro-climatic modeling and historical patterns, the forecast helps users anticipate outbreaks before symptoms appear in the field.

✓ **Control Recommendations:**

For each identified pest, PestAlert™ offers precise control measures tailored to the crop and region. Recommendations include cultural practices, biological control agents, and safe chemical treatment options — all based on best practices and regional efficacy.

✓ **Geospatial Mapping:**

The built-in map interface visualizes pest alerts and outbreaks using heatmaps and pinned reports. This tool helps users see regional movement trends and understand pest spread dynamics at a glance.

✓ **Secure, Scalable, and Fast:**

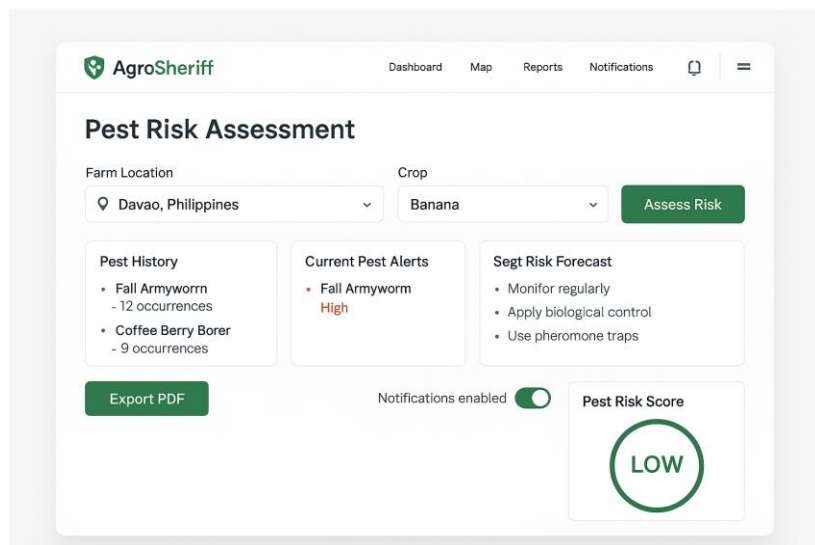
PestAlert™ is built using state-of-the-art web technologies and is optimized for both desktop and mobile access. Whether managing a smallholder plot or a multi-hectare enterprise operation, the system remains lightning-fast, stable, and secure.

Combining smart forecasting with a user-friendly interface, PestAlert™ helps agricultural operations shift from reactive to proactive pest management—saving time, cutting input costs, and protecting yields.

PestAlert™

PRECISION PEST RISK INTELLIGENCE

PestAlert™ is a precision pest risk assessment platform by AgroSheriff's AgriTech that delivers real-time, data-driven insights to detect, monitor, and respond to pest threats with confidence and accuracy.



PestAlert™ — KNOW THE THREAT. ACT WITH CONFIDENCE. PROTECT YOUR CROP.

For support, please contact us at info@agrosheff.net



Scan QR for PestAlert™



LEGEND

Learn which emitter are more suitable for your usage application in this legend.

- INF** Integral Nozzle Filter: Avoids clogging caused by accumulating particles in the pipe beyond the filtration system, avoiding nozzle deterioration and ensuring a long service life by avoiding the need to dismantle the nozzle.
- NFR** Nozzle Flow Reducer: Incorporates a flow reducer with an integral nozzle filter, reducing the use of larger water passages for low flow rates and ensuring an outstanding high clogging resistance.
- LDE** Low Dripping Emitters: A unique solution for "bridge" structure emitters, minimizing clogging caused by water hanging the "bridge".
- NBE** No Bridge Emitters: Ensures uniform good full circle rotation and prevents dripping.
- IP** Insect Protected: Suitable for use in areas where insects are present, preventing insects from penetrating the nozzle from the outside.
- RJC** Removable Jet Converter: Converts the emitter jet into large droplets spread over a small diameter. Can be removed to the point of growth.
- SBO** Smooth Balance Operation Sprinkler: Provides a continuous double balanced jet of water which irrigates without damaging the soil and maintains stable assembly without structures.

EMITTER		APPLICATIONS								SPECIAL FEATURES									
		TREES			OVERLAPPING		GARDENS	FROST & COOLING											
TYPE	SERIES	LARGE	MEDIUM	SMALL	OPEN FIELD	HOTHOUSES	LANDSCAPE GARDENING	FROST PROTECTION	COOLING SYSTEMS	IP	INF	NFR	RJC	LDE	NBE	LP	SECTOR*	FLOW RATES RANGE L/H	
Sprinkler	920/940	•			•	•	▲	•	•	•	•						360	180-300	
	961	•			•	•	▲	•	•	•	•						360	120-160	
	961p				•	•	▲	•	•	•	•						90-270	120	
Mini-Sprinkler	861				•	•	▼	•	•	•	•				•	•	360	35-160	
	862/862r		•	• R			•			•	•				•	•	360	35-160	
	863/863r		•	• R			•			•	•	•	•		•	•	360	20	
	866				•	▼			•	•	•				•	•	360	35-160	
	831	•			•	•	▲	•	•	•	•					•	360 ☒	35-240	
	841	•	•		•	•	▲	•	•	•	•					•	360 ☒	35-160	
	850	•					•		•	•	•						180-200	50-90	
	801	•			•	•	▲	•	•	•	•					•	360 ☒	20-240	
	803				•	▼			•	•	•						360 ☒	35-240	
	4460		•				•				•	•					360 ☒	40-90	
Sprayer	4461		•				•				•	•		•			320	40-90	
	4462		•				•				•	•					360 ☒	20-90	
	4463			•			•				•	•					360 ☒	20-90	
	4442		•	•			•				•	•					twin	20-90	
	4444		•				•				•	•					ellipse	40-90	
	4452						•				•	•					180	40-90	
	4454						•				•	•					90	40-70	
	4168	•					•				•			•	•		360	35-180	
	700		•	•			•			•	•				•		360	40-160	
	806		•	•			•										360 ☒	35-240	
Mister	806s		•	•			•										360 ☒	35-240	
	807		•	•			•				•						360 ☒	35-160	
	4190					•	▲	•	•		•	•					360 ☒	20-90	
	4191					•	▲	•	•		•	•			•		320	20-90	
	809					•	▲	•	•		•	•					360 ☒	20-240	

- Suitable for the application
- Suitable only in area protected from wind
- ☒ Bridge emitter 340°-350°
- LP = Also works well in low pressure above 1.5 atm.
- ▲ Upright position
- ▼ Downward position
- ▲▼ Both positions

Application



R – Residential Garden

This category refers to equipment designed for home gardening or small-scale outdoor spaces. Tools and devices in this application are typically lightweight, easy to use, and focus on maintaining personal gardens, flower beds, and small vegetable plots. The goal is often to enhance the aesthetic and productivity of personal gardens while ensuring water efficiency and plant health.



T – Turf and Landscape

For turf and landscape applications, equipment is aimed at maintaining large lawns, parks, sports fields, or commercial landscapes. The machinery is designed for precision in irrigation and care, ensuring that turf areas stay green, healthy, and well-manicured. These systems help in conserving water while providing uniform irrigation across expansive areas.



A – Agriculture

This category covers equipment meant for large-scale farming and crop production. The tools are built to withstand rigorous conditions and to cover extensive agricultural areas efficiently. These systems usually integrate advanced irrigation techniques such as drip or sprinkler irrigation, focusing on boosting crop yield, saving water, and enhancing overall farm productivity.



G – Greenhouse

Greenhouse equipment is designed to regulate the controlled environments of greenhouses where temperature, humidity, and irrigation need to be carefully managed. These systems ensure that plants inside the greenhouse receive the precise amount of water and nutrients, fostering optimal growth in a more enclosed and controlled space.

Application Covers



P – Crop Protection

Greenhouse and nethouse covers help shield crops from various external threats, such as pests, insects, and harsh weather conditions. This protection reduces the need for chemical pesticides and enhances the overall health and yield of the crops.



R – Ripening Time Regulation

These covers assist in regulating the ripening time of crops by controlling the environment in which they grow. Adjusting factors like sunlight exposure and temperature allows for precise timing, ensuring that crops ripen as planned.



Q – Quality Improvement

By providing consistent and controlled growing conditions, these covers significantly enhance the quality of the produce. Crops grown in such regulated environments tend to have better color, size, and flavor, meeting higher market standards.



M – Microclimate Regulation

Greenhouse and nethouse covers create a controlled microclimate, maintaining optimal humidity, temperature, and air circulation for crops. This regulation allows for year-round cultivation, regardless of external weather conditions, promoting healthier and faster-growing plants.



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