

agrifac



Milan

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The worlds needs³
more and more food

We need land to grow food, healthy soils to nourish crops and livestock, clean water on farms and farmers to make it all happen. Every farmer and contractor has its own daily challenge to achieve the highest possible return at the lowest cost.

On a more global level, we know there is sufficient capacity to produce enough food to feed everyone adequately, despite the fact that the world population is predicted to increase to 9 billion by 2050. Instead of cultivating more and more land, we should be able to increase food productivity on existing farmland while at the same time lowering our footprint. That’s exactly the business that Agrifac is in! We want to contribute to the higher food need in a sustainable, brilliant simple way.

Our mission

We can increase yield on less productive farm land where we see huge yield gaps between current production levels and those possible with improved production practices, mechanization and precision farming. Combined with for instance our innovative sprayers being able to achieve more yield with less crop protection, to provide each plant what it needs, our business contributes to a brilliant simple solution in helping farmers to feed the world in a sustainable manner.

4e for growers

To be able to do so, each Agrifac machine and application is developed in accordance to the “4e for growers” concept. This means we take efficiency, economy, ergonomics and ecology into account and let them be decisive in all we produce. This enables us to meet and exceed the customers’ needs, leading to a global innovative and technological advantage.

At Agrifac we are available for our customers. No matter where you are, we will support you on a local level according to our “Global presence, local support” principle.

Agrifac sprayers

The leader for decades



Milestones in the history of Agrifac spray technology

1939



1939
Agrifac commences sales of "Platz" potato sprayers

1948



1948
The Marshall plan provides six tractors with sprayers for service on the IJsselmeer polders.

1973



1973
Start of line production of mounted and trailed sprayers in Steenwijk by Agrifac

1984

1984
GN

First by Agrifac developed sprayer, the Agrifac GN. The revolutionary design included pivot steering, the first in the market! Trackwidth 150 cm, 3000L tank and booms up to 33 meter

1988

ECO & SUPER
Introduction of the ECO series and SUPER series (predecessor of the GS series)

1988

1991

'91 - Production and sales of Agrifac trailed sprayers by BBG Amazone (until 2000)

2001

2001
Acquisition of Sieger

2003

2003
GNS
Combination of the GN and GS series to GNS. G-boom on the machine, working widths up to 45 meter

2007

2007
J-Boom
Introduction J-boom, working widths up to 48 meter.

2008

2008
GNS becomes **Milan**

2015

2015
Completely renewed **Milan**

- **EcoTronicPlus** terminal
- **GreenFlowPlus** fitting
- **A-boom** with circulation system up to the nozzle
- Standard drawbar and axle suspension
- Pivot steering with 54° steering angle





Brilliant Simple

A trailed sprayer of the highest quality. A machine which is innovative. A machine which does what it is intended to do but extremely simple to use and maintain, in short: Brilliant Simple

Agrifac machines such as the Agrifac Milan are Brilliant Simple. The most innovative agricultural trailed sprayer in the world, however extremely simple to operate and maintain.

Agrifac uses the "4e for growers" concept in order to ensure that it produces the most innovative and user friendly agricultural sprayers.

All Agrifac machines, including the Agrifac Milan, are developed in line with the "4E for growers" concept.

4e

This means that everything at Agrifac has to be Efficient, Economical, Ergonomic and Ecological.

for growers

From seeding/planting to harvesting our sprayers support the growth of crops by protecting and feeding them. The combination of carefully considered technology, pleasant to work with, an attractive and sturdy design, very low maintenance costs, high trade in value and efficient service system make each Agrifac machine a glowing example of innovation. And that means growth in every aspect! Growth where entrepreneurs, dealers, employees and agriculturists will benefit from.



efficiency
economy
ergonomy
ecology

Milan

Stable and always track following



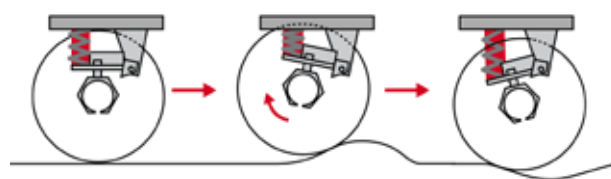
Optimal spray quality with the stable chassis made of Domex steel

Optimal spray quality

It is the optimal protection of your crops why you decide to buy a crop sprayer. In order to protect the crop in an optimal way, optimal spraying quality is needed. And optimal spray quality is what Agrifac offers you, something which starts with a stable machine and a good balancing system.

Very agile, very ergonomic

The chassis of the Milan has been designed for high working speeds as well as stability. The standard axle and drawbar suspension makes it a machine with a high level of comfort on the road and on the field. In combination with the standard boom suspension a stable boom is ensured and therefore an optimal spray pattern is achieved. Due to the compact design of the machine, the Milan is able to steer with a large angle. The machine has a small turning radius, despite the long looking machine. With a steering angle of 54° the machine will always follow the tractor, even in tight turns.



A lingering suspended axle for an optimal suspension.

Large steering angle, very short turns



Short turns with the Agrifac Milan.



Pivot steering for 54° steering angle and exact track following..

Platform at working height

Thanks to the compact structure of the **GreenFlowPlus**, the Milan is equipped with a large platform at working height. At this platform you can load and transport chemicals in a safe and fast way. Filling of chemicals into the sprayer always goes with the standard induction hopper. This is an efficient and ergonomic way of filling. Climbing stairs with fusts and bags belongs to the past.



GreenFlowPlus

Optimal spraying. Brilliant Simple.



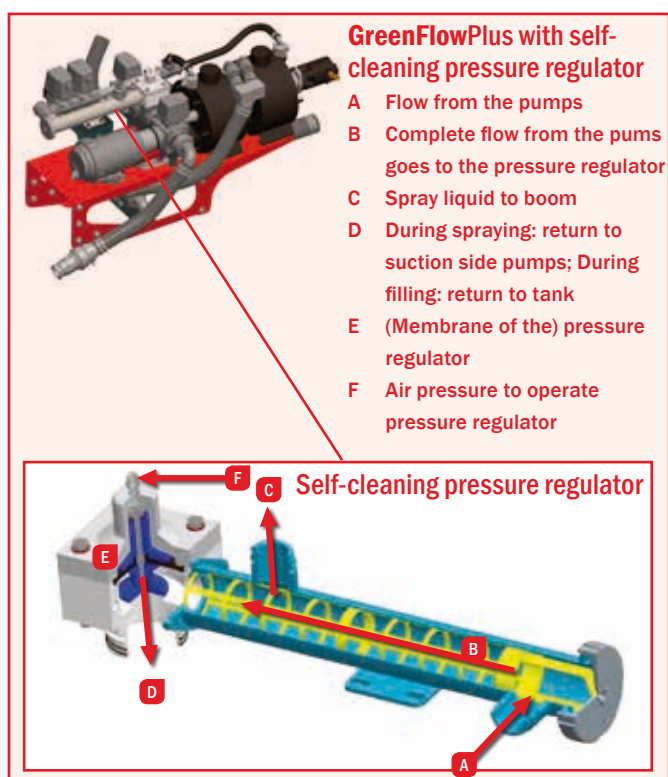
GreenFlowPlus: Spraying quality guaranteed

GreenFlowPlus is the unique and clever designed spraying system from Agrifac for an optimal spraying result. A compactly built pump set with the shortest possible circuit which results in a minimum presence of liquid in the fittings which makes it extremely easy and quick to clean. In addition a circulation system is used so that the spray liquid circulates continuously at high pressure through the spray lines due to the pneumatic controlled pentajet nozzles. This delivers an optimal spray result in combination with the very quick and precise pressure regulator.

The compactly built pump set with the shortest possible circuit and electrically operated valves ensure that chemicals can be saved and that minimal rest liquid is present. The shape of the tank and the suction point ensure that no rest liquid is present in the tank. As there is no unused liquid present there is first of all no loss of chemicals but the spray system is also extremely quick and easy to clean. Unused liquid is therefore no issue for Agrifac.

Top quality spraying

With the unique pneumatic controlled pressure regulator from Agrifac, an optimal spray result is obtained. The air pressure regulated pressure regulator regulates the pressure in the spray line which results in an extremely accurate spray result. As the pressure regulator is able to react extremely quick to varying spray widths, for example with automatic section control, the application rates stay extremely accurate. The high capacity self-cleaning pressure filter prevents drop in pressure. In combination with the standard 25 mm diameter stainless steel spray lines and the pressure regulator this guarantees optimal distribution of the spray liquid even with high application rates.



Higher Performance with induction hopper

Another advantage of the renewed Milan is the induction hopper. Filling with high capacity, liquids and powders are easily dissolved and mixed with the PowerPowderJet. Due to the mixing capacity of the PowerPowderJet and the water supply from the bottom, every crop protection agent is dissolved and taken into the sprayer. The induction hopper is equipped with two cleaning nozzles due to which every type of fust and bag can be cleaned easily. The opened lid of the induction hopper serves as table so that dosing and measuring crop protection agents can be done in an ergonomic way. Shortly, a system with which you make use of the sprayer in an efficient, ergonomic, ecological and economical way.

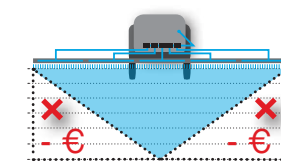


High performance filling, liquids and powders are easily dissolved and mixed with the PowerPowderJet.

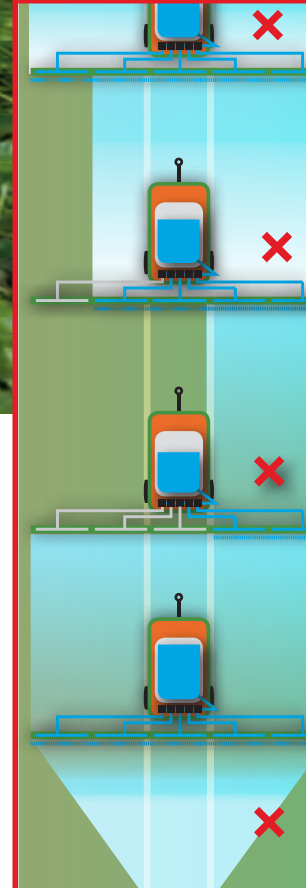
GreenFlowPlus; the advantages:

- + Complete circulation at high pressure up to the spray nozzles. This prevents spray triangles and deposits
- + No unused liquid in the tank
- + The very intelligent and compact construction enables 99.99% of the spray liquid to be sprayed.
- + Constant pressure due to the pneumatically operating pressure regulator, even during quick changes in spray widths.
- + Extremely easy to clean

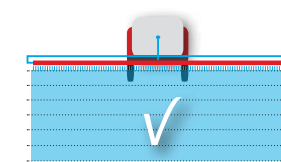
Loss through spray triangle



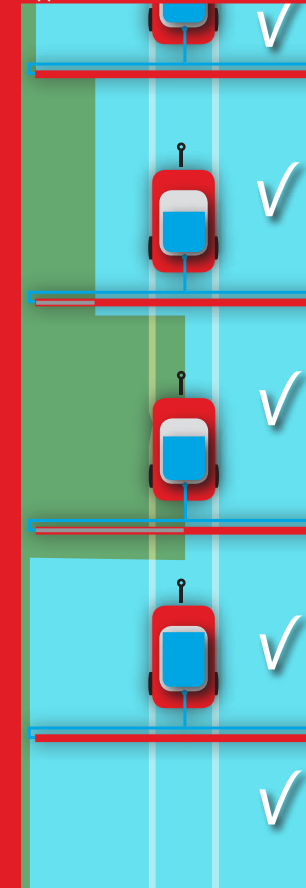
Competition: Over and under application through great pressure differences



No spray triangle through circulation



Agrifac: No over or under application, always equal pressure and application rate



Complete circulation

The complete circulation system starts from the moment that the tank is filled. Filling of the tank occurs via the agitation at the bottom of the tank and via the spray lines (on the boom). This is also the case when the pumps are on but filling does not occur. This results in a circulation system therefore the spray liquid never stands still in the pipes. In this way there is no sedimentation in the spray lines and fittings. There is always an even pressure and it is possible to start spraying straight away without priming or creating a spray triangle. For spraying the electrical valve is switched automatically, as a result of which the spray liquid is pumped into the lines from both sides. This also makes the spraying of higher quantities possible.

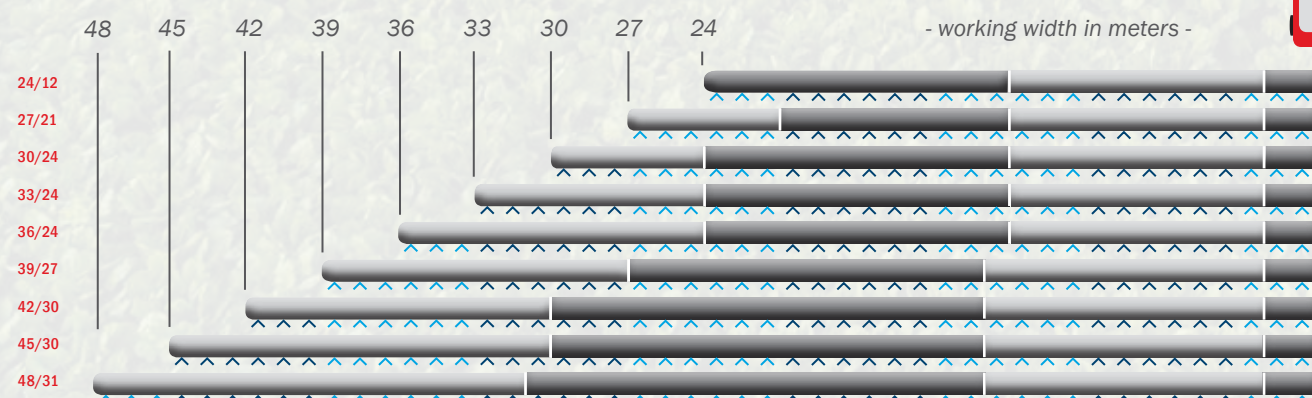


Agrifac A-Boom

Quality and stability



A-boom spray boom overview



Large working widths and long life time

The window of opportunity for spraying is decreasing. Next to this, higher quality requirements for crop care becoming more and more important. Wider boom widths and higher working speeds with a stable boom are essential. Quality and stability are the key features for the A-boom which is especially developed for a long life time, even by high working speeds.

Strong and stable A-boom

The Milan sprayer is equipped with the aluminium A-boom. Stiff, light and strong are the core qualities of this boom. Due to the construction of the boom, it folds compact which limits the width of the machine especially during transportation. The nozzles are optimal protected under all

circumstances by the boom. Standard on the Milan is the Agrifac circulation system by which the circulation takes place up to the nozzle.

HighTechAirPlus

More capacity



HighTechAirPlus, more capacity and stepless droplet size control

The unique HighTechAirPlus developed by Agrifac is a combination of traditional spraying, air injection and mixing in the nozzle holders. This is a perfect combination for creating a constant and easily adjustable droplet size.

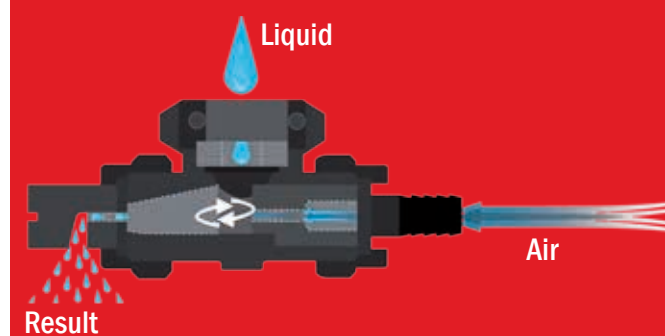
With Agrifac **HighTechAirPlus** you can realize up to 50% more capacity, never have to change nozzles, and you can spray with less drift. **HighTechAirPlus** enables you to always work with the correct droplet size. The droplet size can be steplessly adjusted, from very fine to coarse. This provides better coverage of the leaf surface in all cases. The number

of sprayable hours increases because the wind sensitivity of the sprayer decreases significantly.

If you choose the optional Droplet Control, the **EcotronicPlus** controls the drop size fully automatically depending on the driving speed.

Advantages

- + Up to 50% less water needed for spraying
- + Less wind influence, therefore less drift = longer continual spraying
- + More sprayable hours
- + Droplet Control, select the desired droplet size and the spray pressure, regardless of speed and delivery.
- + Better penetration of the droplets into the crop
- + Save chemicals
- + With the **HighTechAirPlus** nozzles, many varied crops can be sprayed.
- + Minimal wear and tear on the nozzle, therefore longer life
- + Obstructed nozzles are a thing of the past



HighTechAirPlus off...



HighTechAirPlus on

All of this yields more hectares per hour and more sprayable hours, an economic advantage advantage.



EcoTronicPlus

Optimal control and intuitive operation with EcoTronicPlus

The proven EcoTronicPlus system provides the user with all necessary information during spraying, and ensures that most functions are performed automatically. The system has a very well arranged colour terminal where you can see exactly what is happening in the machine. The most important processes and indicators of the machine are visible at a glance. The current flow of liquids is graphical shown which is very clear for the operator, even in bright and direct sunlight.

The entire operation of the sprayer is well thought out and practically oriented. When considering ease of operation, we chose to integrate functions used during spraying into the joystick. Therefore you have all of the important functions within reach. Other settings and readouts are done via the very accessible and intuitive touchscreen

colour terminal. Switching section on and off can be done on several ways, with the touchscreen or automatically via GPS. For the width of each section you have 3 choices: sections can be switched off in 3 meter sections, 1.5 meter sections or even nozzle by nozzle. Optimal flexibility and plenty of choices.



Optimal control and intuitive operation

Advanced and Easy

The work screen appears automatically when you switch to field mode:

- + The application rate is set using the screen
- + The position of the valves is chosen via the screen
- + The current flow is displayed graphically
- + Which sections is displayed on
- + The tank can be filled automatically, whereby the liters are set via the screen
- + And much more information, such as: liquid level in the main and clean water tank, spray pressure, application rate, hectare counter, etc.

To start spraying, you only have to select the correct application rate and press the spray button. Nothing more, and you're away!

The EcoTronicPlus screen is the only screen and system you have to operate your sprayer. All options and other possibilities are operated over the EcoTronicPlus system. Besides that GPS is operated over the EcoTronicPlus terminal or over your own display.



Technical specifications Milan

Axle	
Track width	170/180-200 cm
Wide axle (optional)	195-225 cm
Steering axle	170/180-200 cm (optional: 195-225)
Drawbar suspension	Standard
Axle suspension	Standard

Speed	
Maximum road speed	40 km/h

GreenFlowPlus water pump unit	
Fill/spray pump	Altek 500 (500 l/min)
Suction filter	32 Mesh ^{e)}
Pressure filter	50 Mesh ^{e)}

^{e)} Mesh = meshes per inch

Brakes, wheels and tyres	
Brakes	Hydraulic (option: pneumatic)
Tyre sizes	Width: 300-710 Height: 38 – 52"

Main tank and clean water tank	
Tank capacity	3.500, 4.200, 5.400 or 6.800 litres
Clean water tank capacity	550 liters
Hand washing tank	15 liters
Agitating system	Venturi injectors (can be disengaged)
Level measurement	Electronic
Induction hopper	Standard

Spray technology	
Spray boom width	A-boom Slim 27 - 33 metres A-boom 33 - 48 metres
Section division	6 nozzles, 3 nozzles or per nozzle
Pipe system	GreenFlowPlus
Nozzle holders	Pentajet (for 5 nozzles)
Border nozzle holders	Electro-pneumatic
Section control	Manual (option: GPS Section control)



agrifac academy

Transferring Knowledge

Agrifac organizes a varied package of training in consultation with dealers and users, including e-learning modules for entrepreneurs, drivers, dealer mechanics and its own employees. By paying a great deal of attention to transfer of knowledge we promote better use of Agrifac machines, optimal performance, less down time and less maintenance on all fronts. All of this leads to lower costs and higher yields.

Development for practical use

The Agrifac R & D team operates exceedingly efficiently, so that new developments can be quickly passed on. Through regular contact with practical use, we can react quickly to the users' needs, with our motto being “We develop what the user needs”. We strive for simple and practically oriented solutions for complex challenges. An approach which you will find in the design of user friendly and efficient products with a long life.



agrifac R & D



agrifac premium proven

A solution for everyone

“Premium Proven” is the highest quality standard we can provide for nearly new machines. “Premium Proven” machines are always supplied with a guarantee equivalent to a new machine. Premium Proven machines are less than 5 years old and they have completed less than 2500 operating hours. If we don't have something, we can find it for you. So provide us with your machine request and we will look for the right Premium Proven machine for you!

Support: Everywhere and any time

In order to get the best return on your machine, we at Agrifac have a professional team ready to support you where necessary. For our dealer engineers, we provide regular technical training in the Agrifac Academy so that they can provide quick and effective service. And where necessary, they get support from our specialists during the season. A method which fits in perfectly with our total vision of agricultural efficiency. All products are extensively tested by certified personnel before they leave our factory.



agrifac service



agrifac parts

Quick and Efficient

In its large parts warehouse, Agrifac has 15,000 parts in stock to get your parts to you quickly and efficiently. In this way, you can avoid any down time during the season if there are problems. Dealers are advised of which parts they need to keep in stock to be able to provide rapid help during the season. Experienced personnel can provide professional answers to questions regarding availability and delivery of parts. Clear and concise parts manuals are provided with every machine and point you to the parts you may need.



The worlds need more and more food

The world needs more and more food. More efficient agricultural production and higher yields are needed from less cultivated land to satisfy this growing demand. Therefore Agrifac manufactures *"Brilliant Simple"* machines. Like the high-tech trailed sprayer Agrifac Milan.

For manufacturing Brilliant Simple machines, Agrifac deploys the *"4e for growers"* concept. The 4 e's stand for: *Efficiency, Economy, Ergonomics* and *Ecology*. Every Agrifac product and innovation is developed and designed according to these 4e's. This enables Agrifac to develop according to customers' needs and to always stay ahead with innovative solutions.

We reserve the right to make changes to images and text. The photos, diagrams, plans and values presented in this brochure are not necessarily the standard model(s). No rights may be derived from them.

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