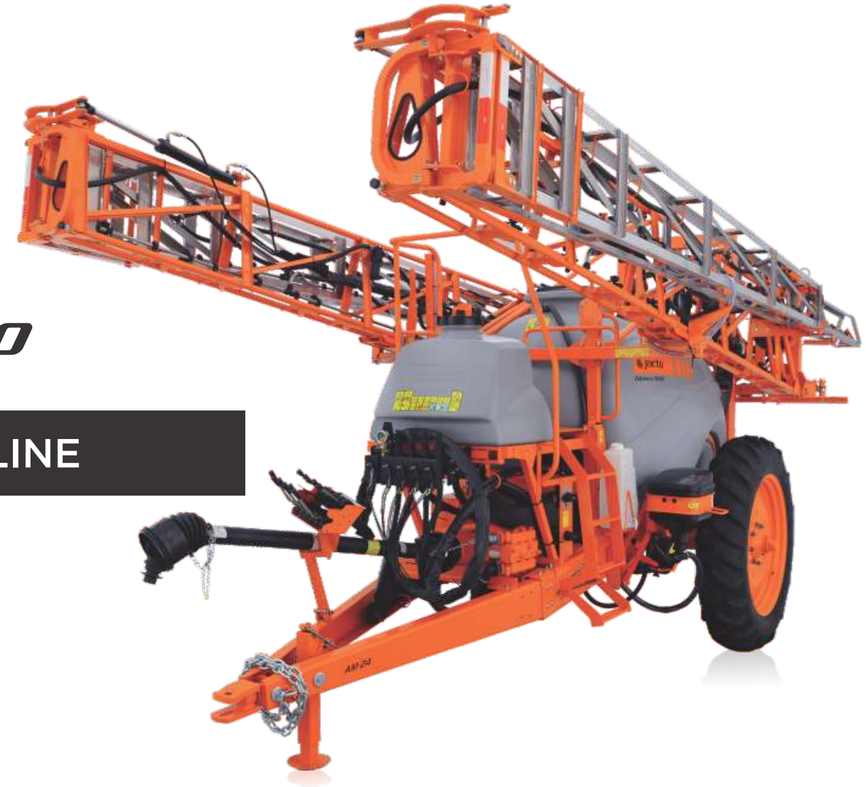
Rua Dr. Luiz Miranda, 1.650 - 17580-000 - Pompeia - SP - Brazil - Tel.: +55 14 3405 2100 - Fax: +55 14 3452 1306 - E-mail: export@jacto.com.br **www.jacto.com.br**

PROTECT THE ENVIRONMENT. WHEN DISCARDING THIS LEAFLET, DO NOT LITTER THE STREET.

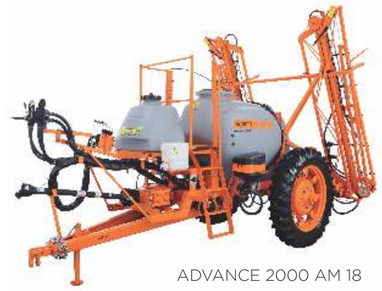
ADVANCE LINE



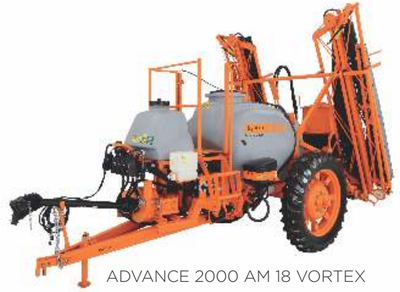
ADVANCE LINE

HIGHER DAILY PRODUCTION WITH EXCELLENT COST-BENEFIT

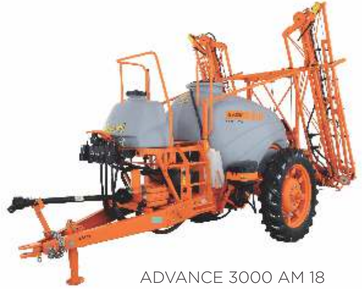
Advance Line was designed to meet the requirements of farmers seeking efficient application and ensured crop protection.



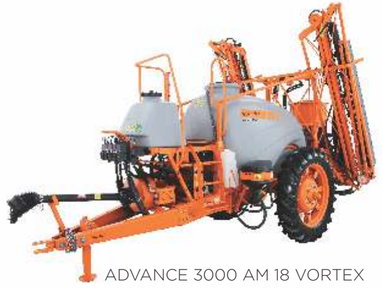
ADVANCE 2000 AM 18



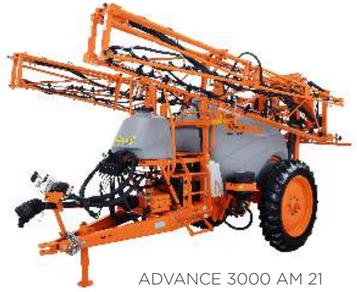
ADVANCE 2000 AM 18 VORTEX



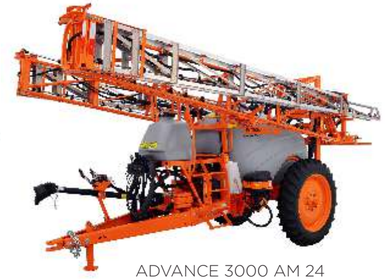
ADVANCE 3000 AM 18



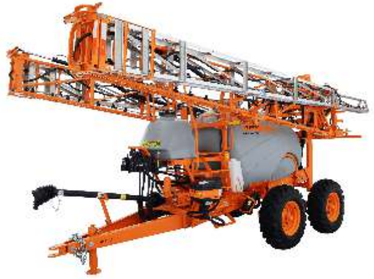
ADVANCE 3000 AM 18 VORTEX



ADVANCE 3000 AM 21

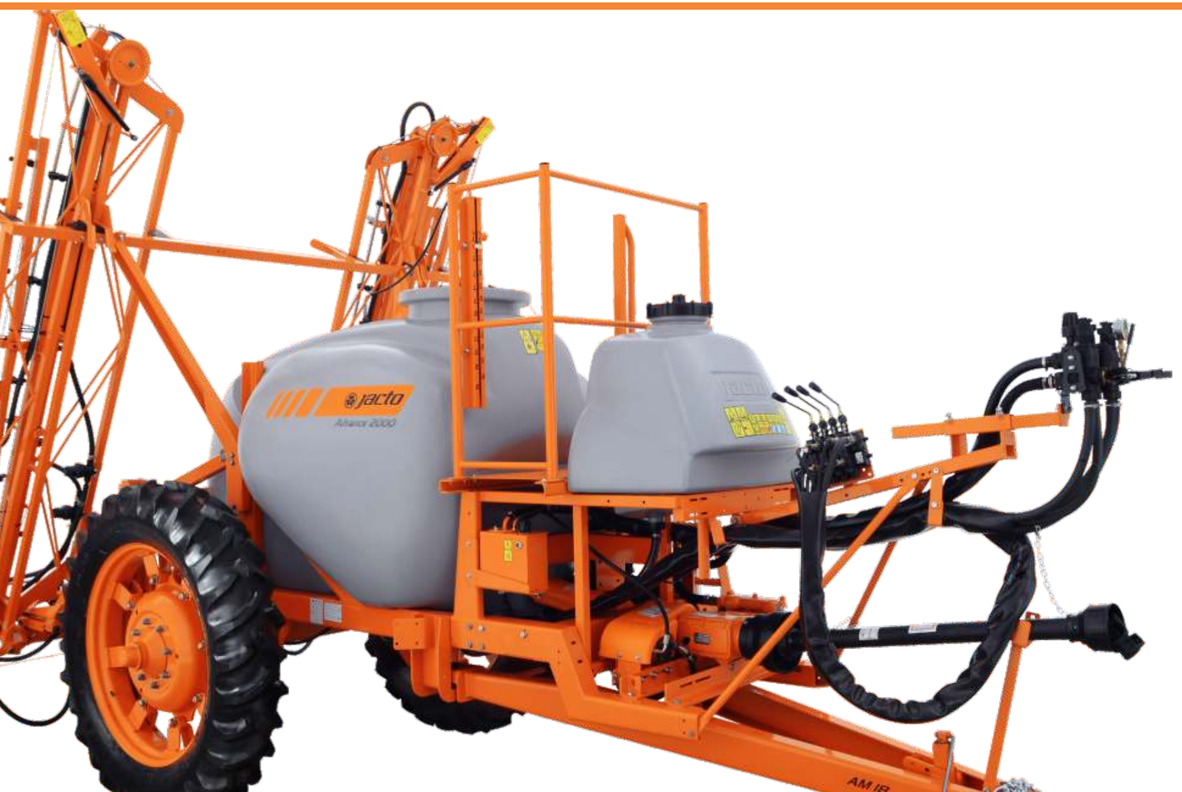


ADVANCE 3000 AM 24



ADVANCE 3000 TANDEN ARROZ

ADVANCE 2000 AM 18



PERFECT FOR LONG WORKING HOURS

Designed for those seeking **spraying efficiency**. With high technology, it allows long working hours with no stops and thus promoting economy and productivity.

2,000-liter polyethylene tank

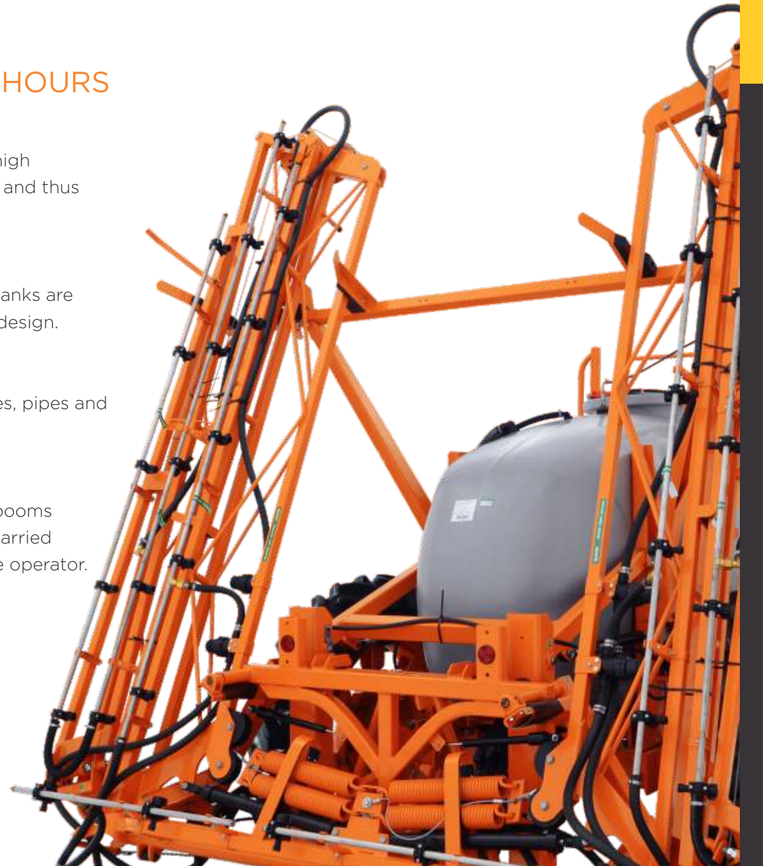
Allows long working hours. Made in polyethylene, the tanks are resistant to corrosion, easy to clean and have modern design.

200-liter water tank for cleaning

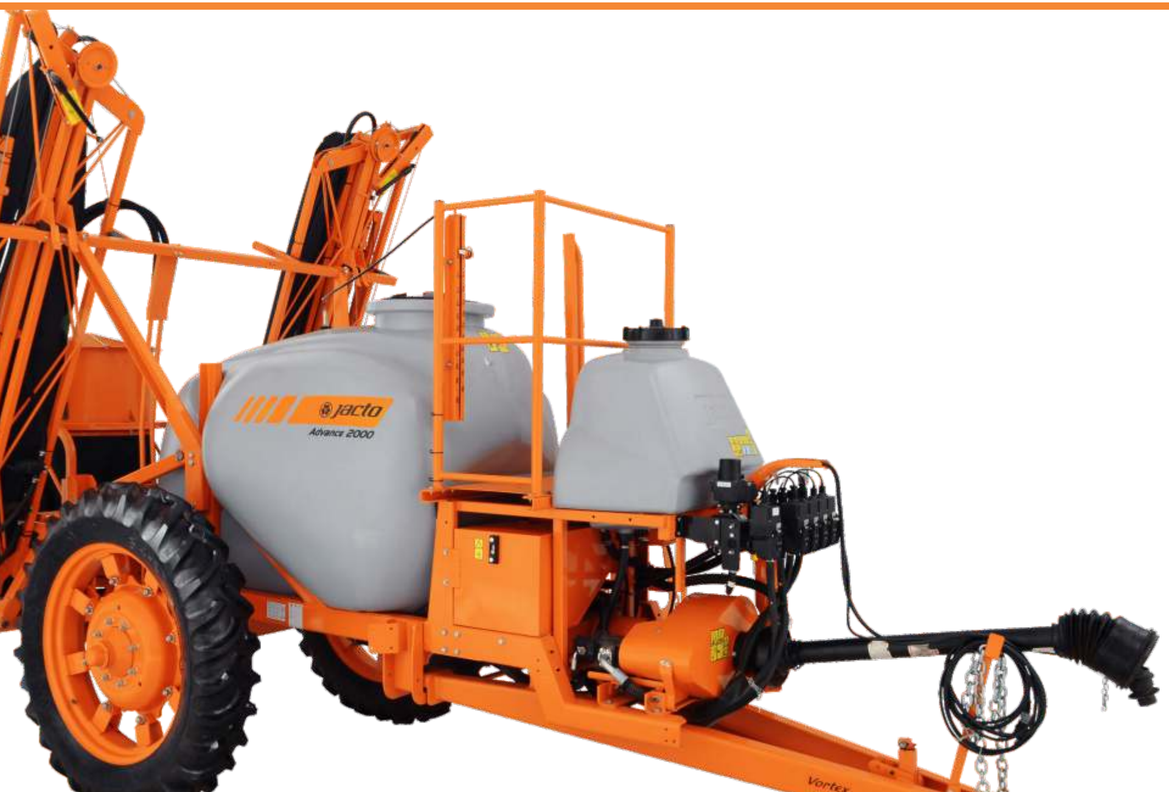
To wash the chemical circuit (filter, pump, control, hoses, pipes and nozzles) and chemical containers.

100% Hydraulic Booms

Reduces the time operator spends to fold and unfold booms and maneuver at the end of the rows. Operations are carried out without physical effort and with total safety for the operator.



ADVANCE 2000 AM 18 VORTEX

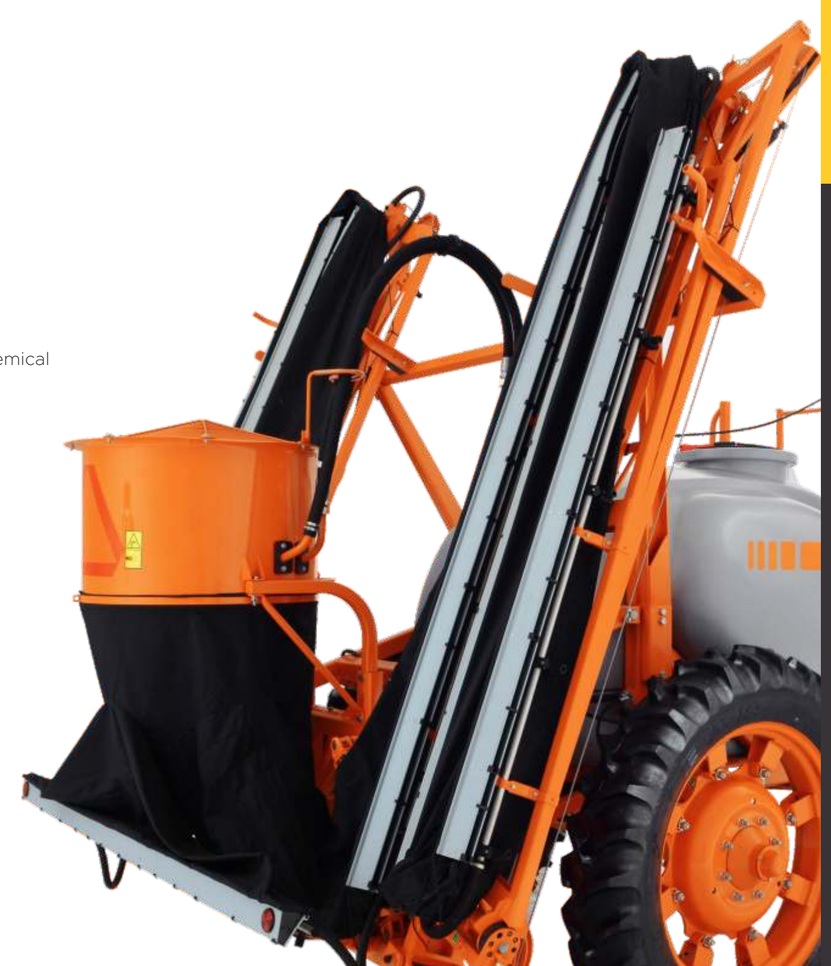


VORTEX

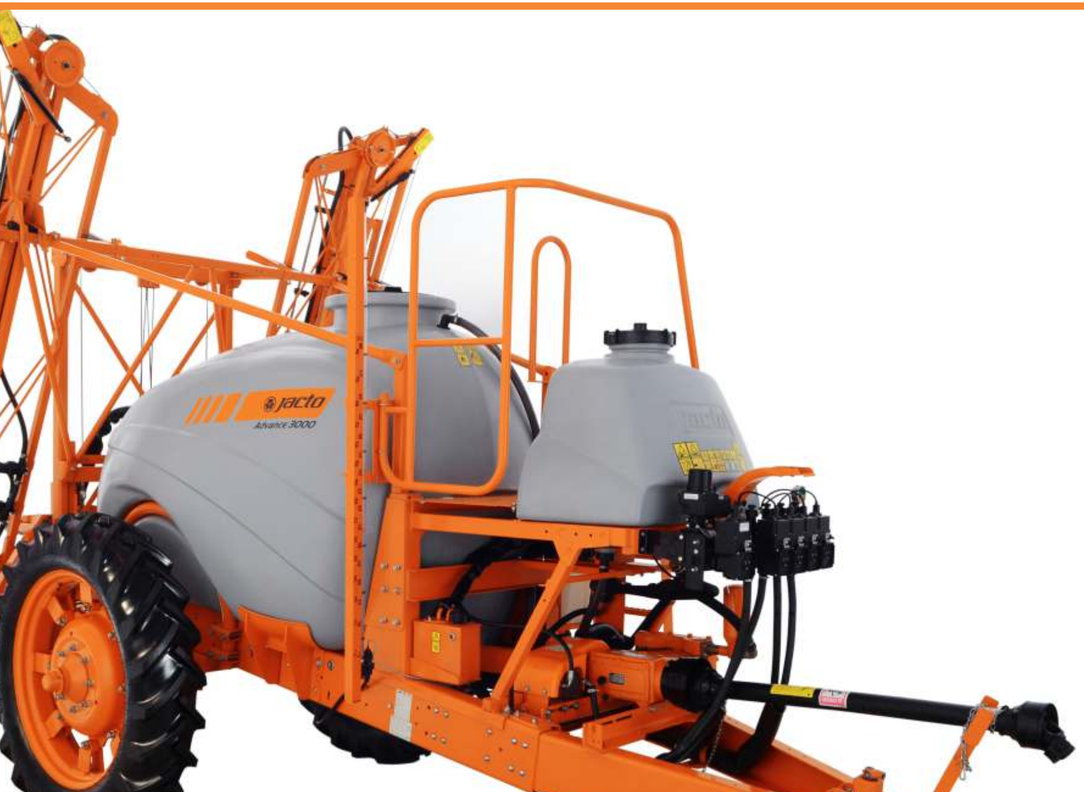
HYDRAULIC ADJUSTED SPRAYING ANGLE

Allows adjusting spraying angle for better chemical penetration at plant canopy.

Efficient in spraying low volumes of chemical mixture, it minimizes drift thus protecting the environment and the operator's health.



ADVANCE 3000 AM 18

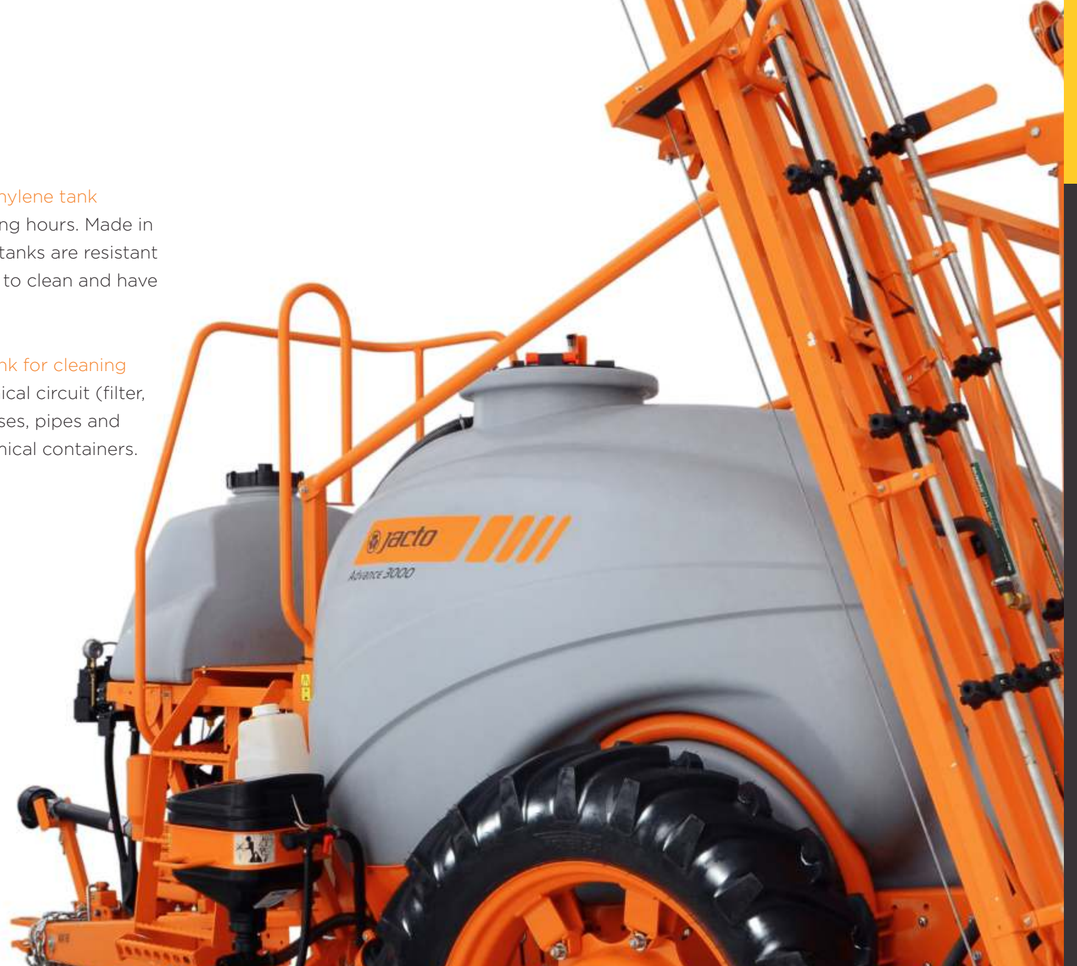


3,000-liter polyethylene tank

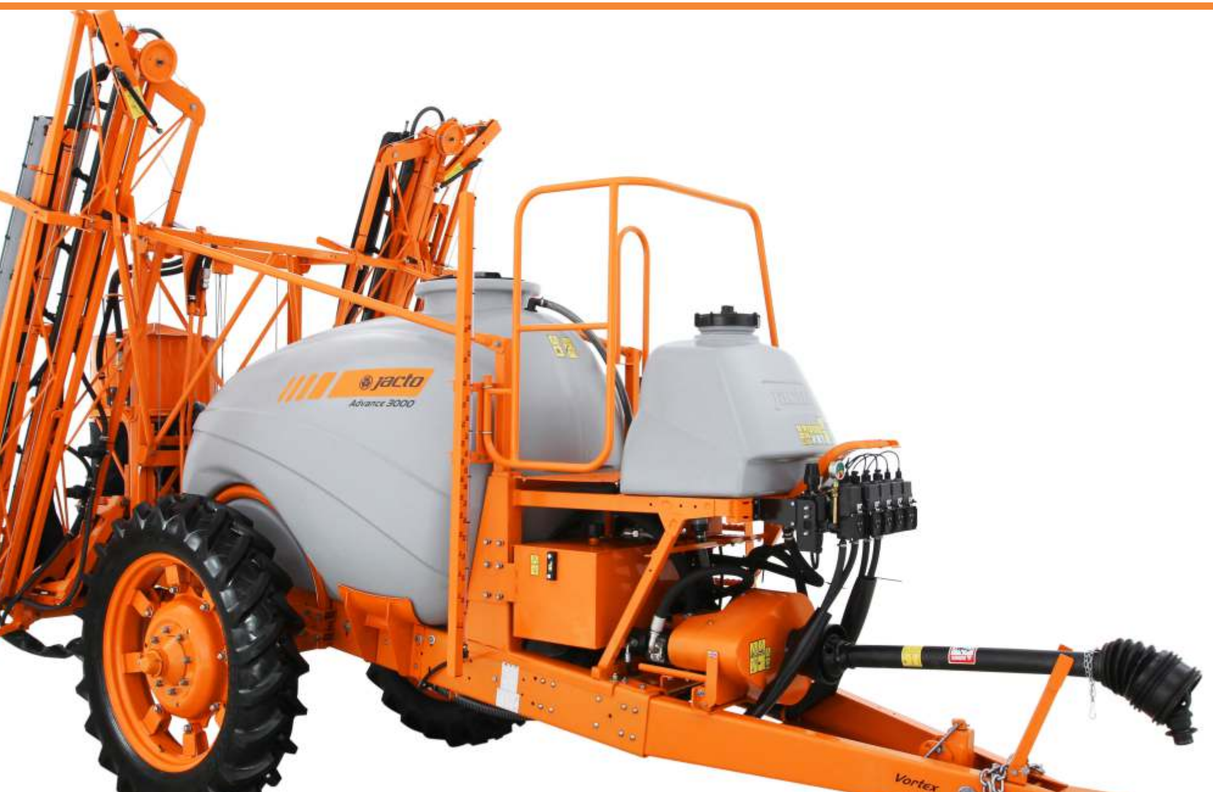
Allows long working hours. Made in polyethylene, the tanks are resistant to corrosion, easy to clean and have modern design.

200-liter water tank for cleaning

To wash the chemical circuit (filter, pump, control, hoses, pipes and nozzles) and chemical containers.



ADVANCE 3000 AM 18 VORTEX



WITH OR WITHOUT WIND, IT SPRAYS NONSTOP

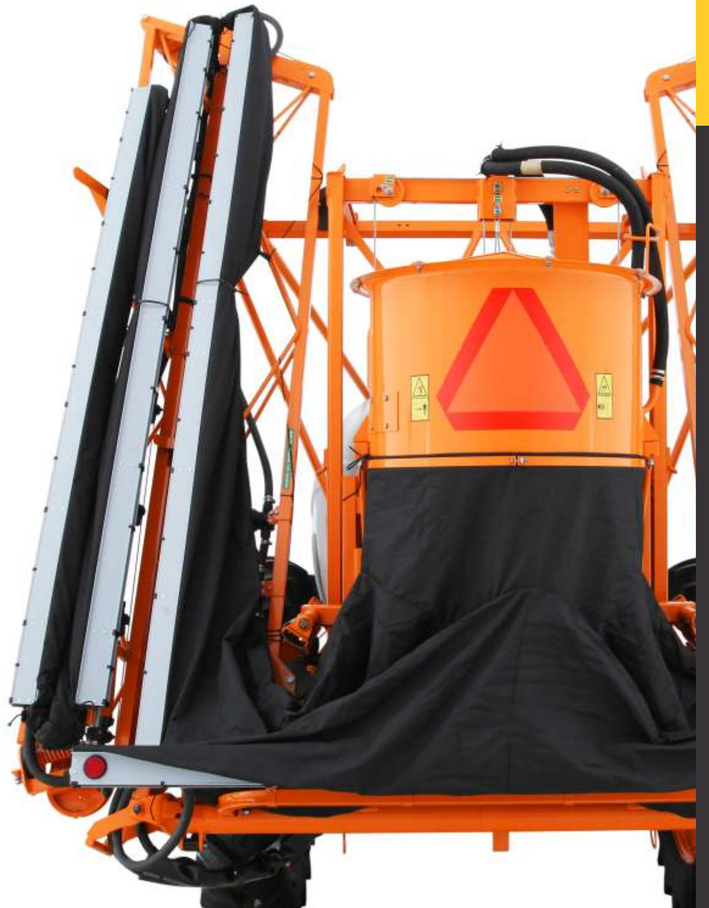
- Improves chemical penetration and coverage at the plant canopy

- Wind does not stop the work

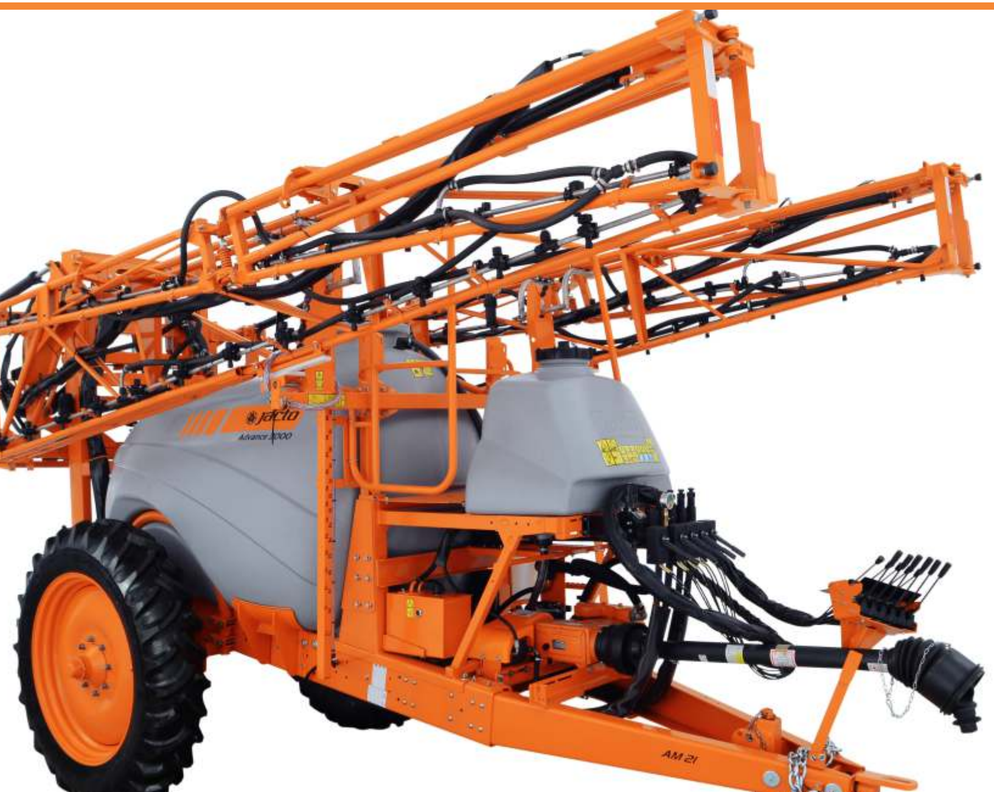
- Efficient in spraying low volumes of chemical mixture.

- Minimizes drift, protects the environment and the operator's health.

Allows adjusting the spraying angle for a better chemical penetration at the plant canopy.



ADVANCE 3000 AM 21



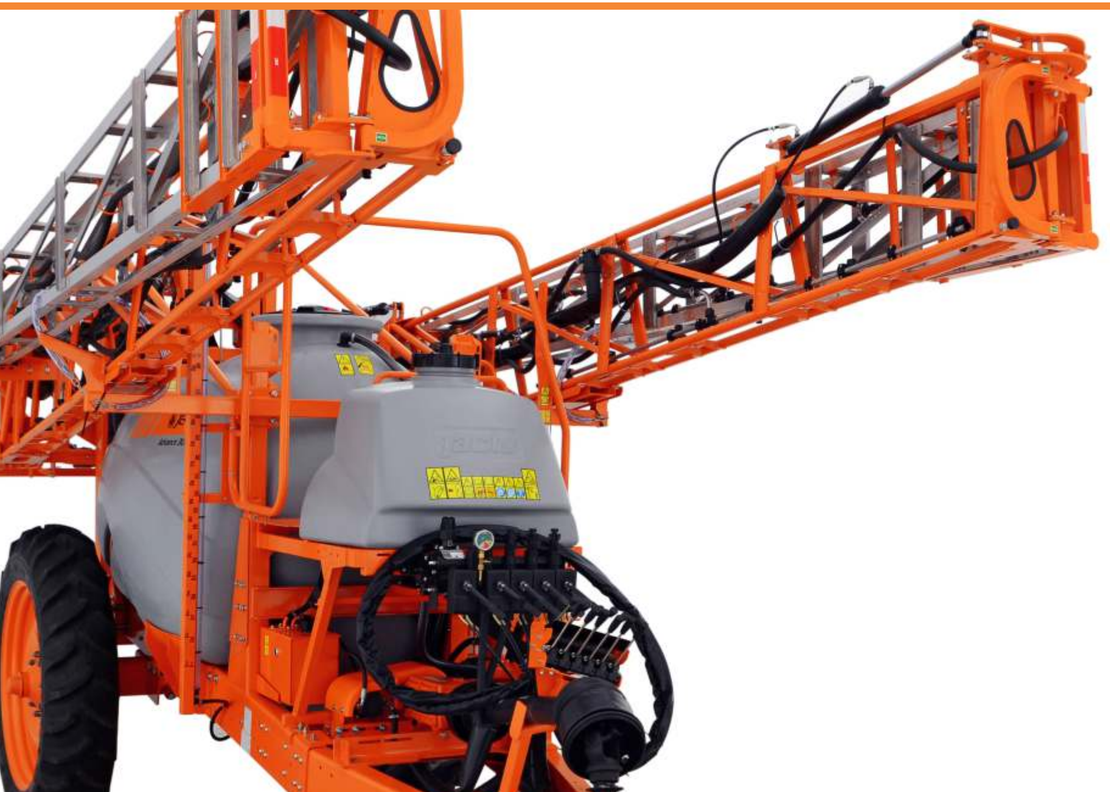
21-METER BOOMS

21-meter booms divided in 4 spraying sections and hydraulically operated (folding, unfolding and height adjustment). Equipped with Bijet or Quadrijet (optional) nozzle-holders with 0.35m or 0.50m spacing. Height can be adjusted from 0.54 to 1.78 making it possible to work in several phases of the crop cycle. Stainless steel nozzle branches are resistant to corrosion and have a draining system to make cleaning easier.

3,000-LITER TANK

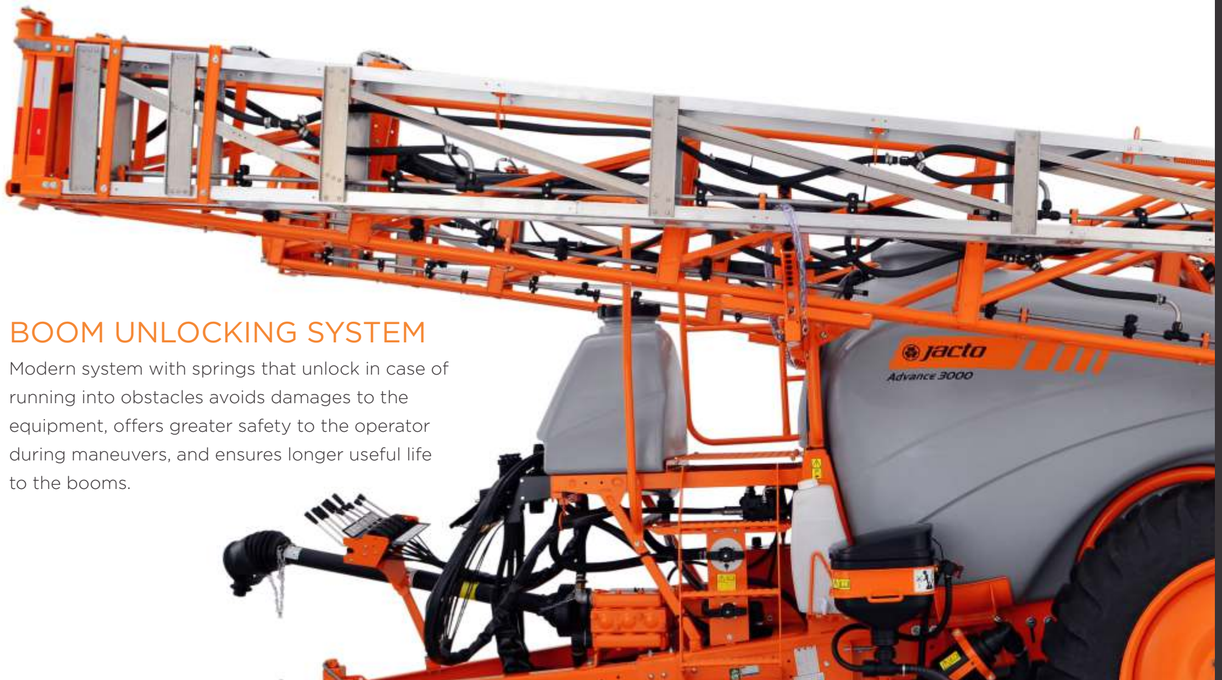
Highly resistant polyethylene tank. Inner and outer polished surfaces make cleaning easier. Resists impacts and corrosion. Screw cap. Has a mechanical agitator with three propellers to keep the chemical mixture homogeneous at all times.

ADVANCE 3000 AM 24



24-METER BOOMS

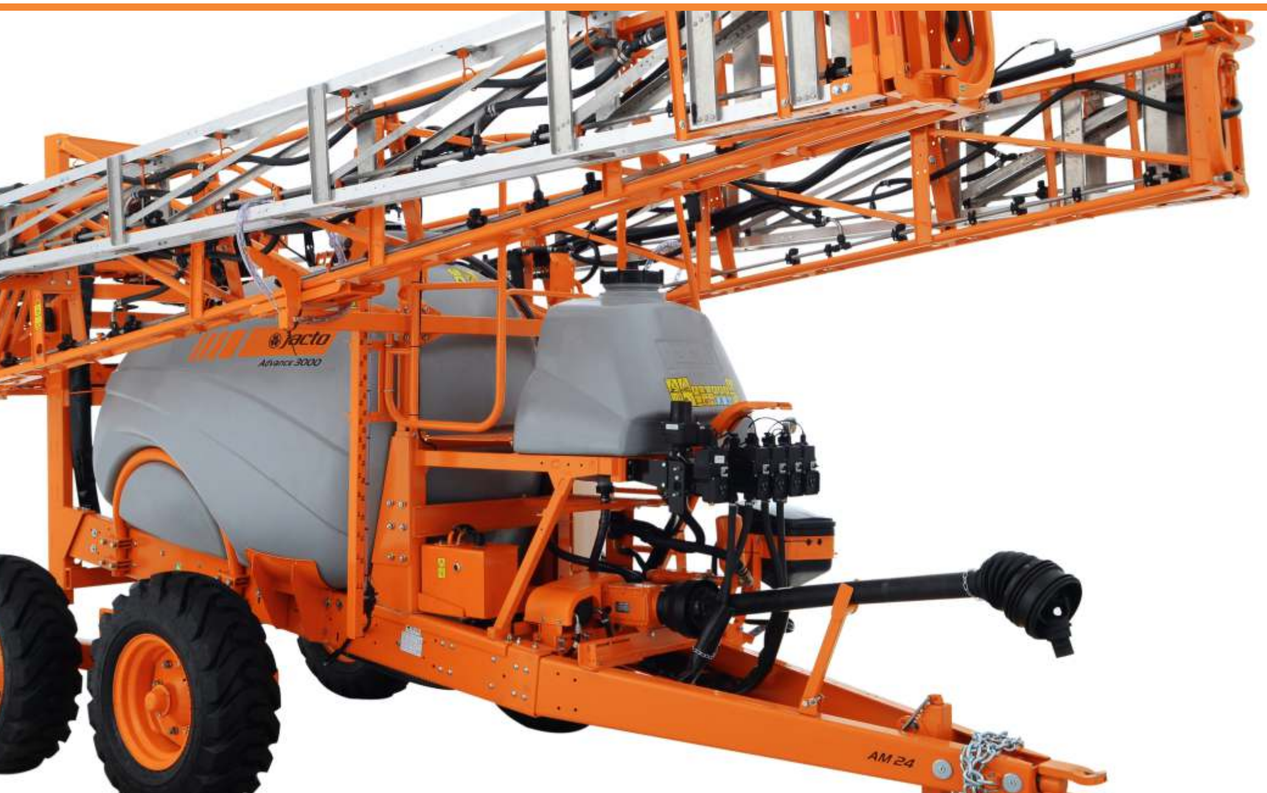
24-meter booms with hydraulic folding and unfolding, and stainless steel section ends that are extremely resistant to corrosion. Divided in 4 or 6 (optional) spraying sections with Bijet or Quadrijet (optional) nozzle-holders, nondrip valve, in-line filters (optional) and 0.35m or 0.50m nozzle-holder spacing. Working height ranging from 0.54 to 1.78 provides an efficient work along the entire crop cycle. Has a shock-absorber system against obstacles.

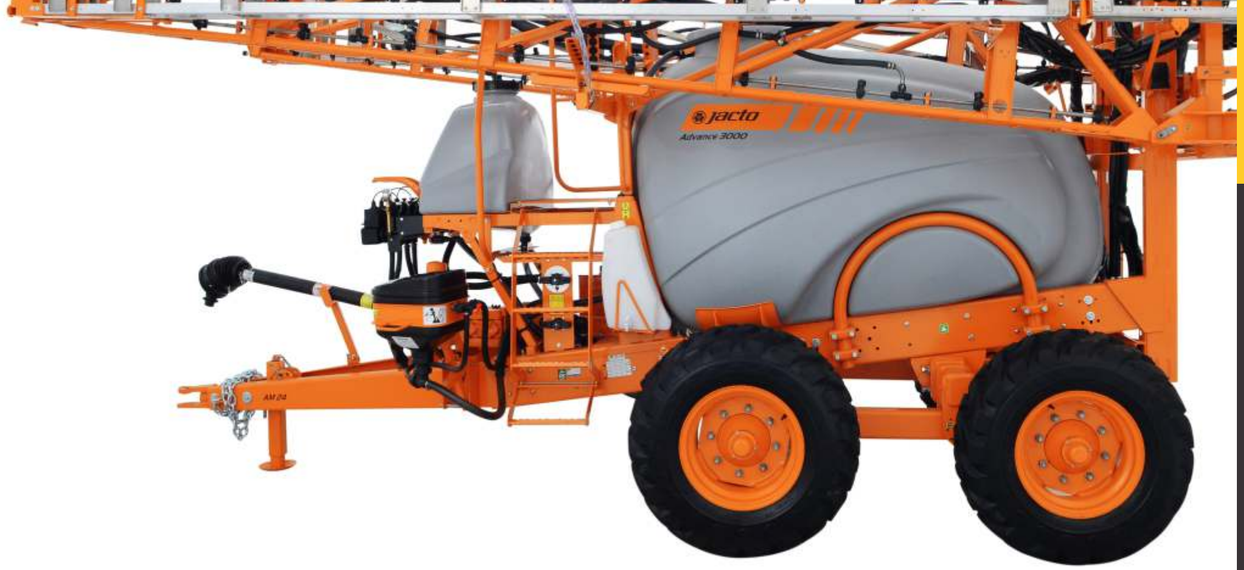


BOOM UNLOCKING SYSTEM

Modern system with springs that unlock in case of running into obstacles avoids damages to the equipment, offers greater safety to the operator during maneuvers, and ensures longer useful life to the booms.

ADVANCE 3000 AM 24 TANDEN

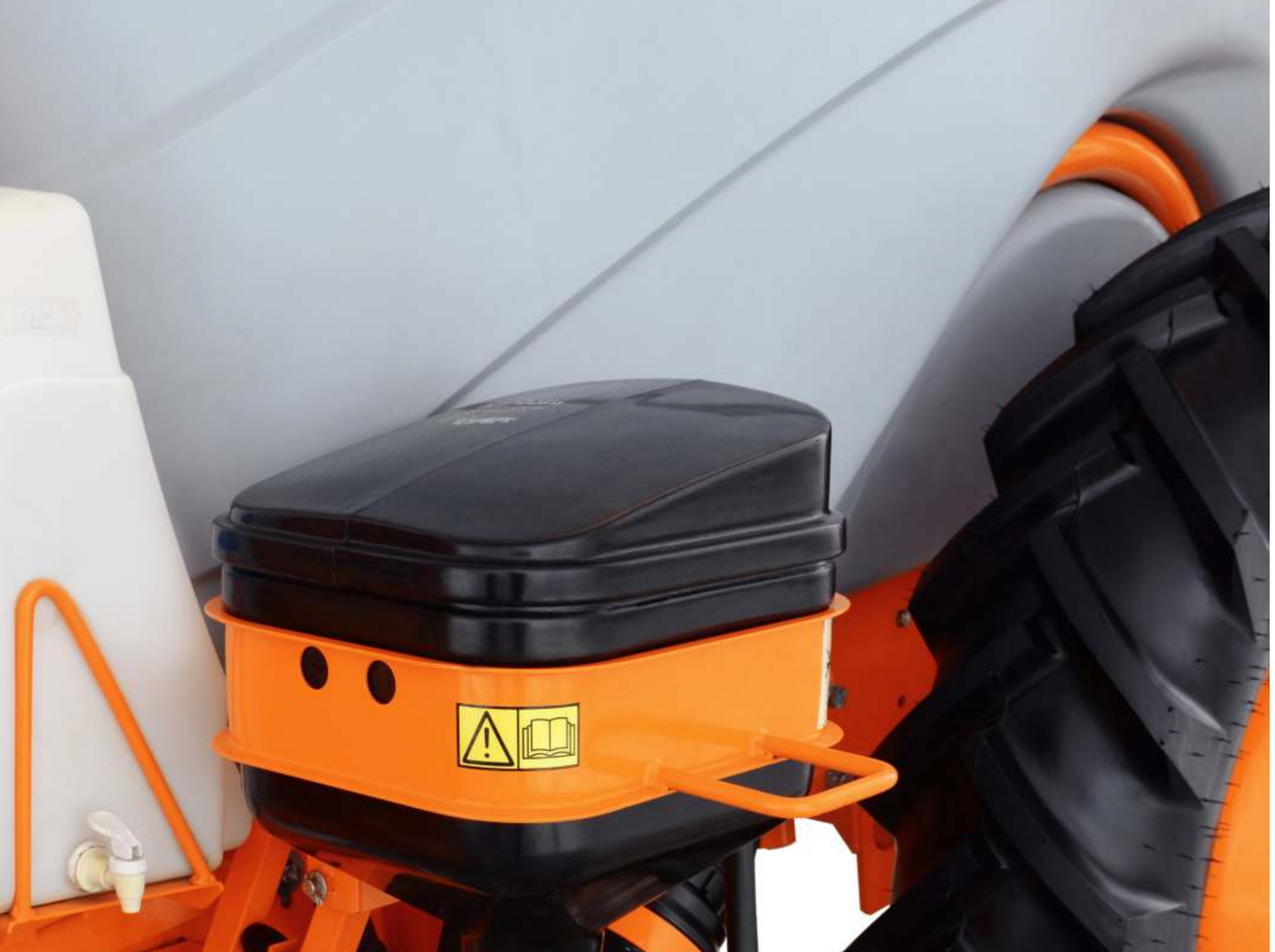




BETTER APPLICATION QUALITY, GREATER BOOM STABILITY.

The frame was specially designed for working conditions in rice crops. A pendulum suspension system confers the booms a good stability even when working in areas with dikes.

Tanden extended axle provides better stability for the machine and consequently to the boom as well.
The larger distance between axles (1350 mm) and the possibility of widening the track width to up 2600mm increase the distance between machine support points and thus absorbs terrain irregularities better.



TRAPEZOIDAL SUSPENSION

Shock absorbers and springs on the boom frames reduce the impact from vibrations caused by uneven terrains and provide more stability to the booms, better application quality and excellent daily production.

ADJUSTABLE TRACK WIDTH

Quick and precise adjustment for different types of crops or for being transported.

WIDE-ANGLE PTO SHAFT

Allows operating with angles up to 75º without turning off the tractor PTO. Easier to operate.

CHEMICAL MIXER (optional)

Incorporates the chemical to the water in the main tank thus preparing the mixture in a practical and safe way without risks to the environment and the operator. Also used to clean chemical containers.

COMPONENTS. **ADVANCE LINE.**

JP-100 / JP-150 PUMPS

Jacto pumps have ceramic sleeves that are highly resistant to wear and that together with its robust pump mechanical system ensure reliability and low maintenance.

OTMIS LB 1100 (OPTIONAL)

It is a navigation system by global positioning system (GPS) designed to improve the efficiency of chemical applications.

OTMIS SC 3300 (OPTIONAL)

It is an instrument which controls spraying sections automatically.

NOZZLES AND NOZZLE-HOLDERS

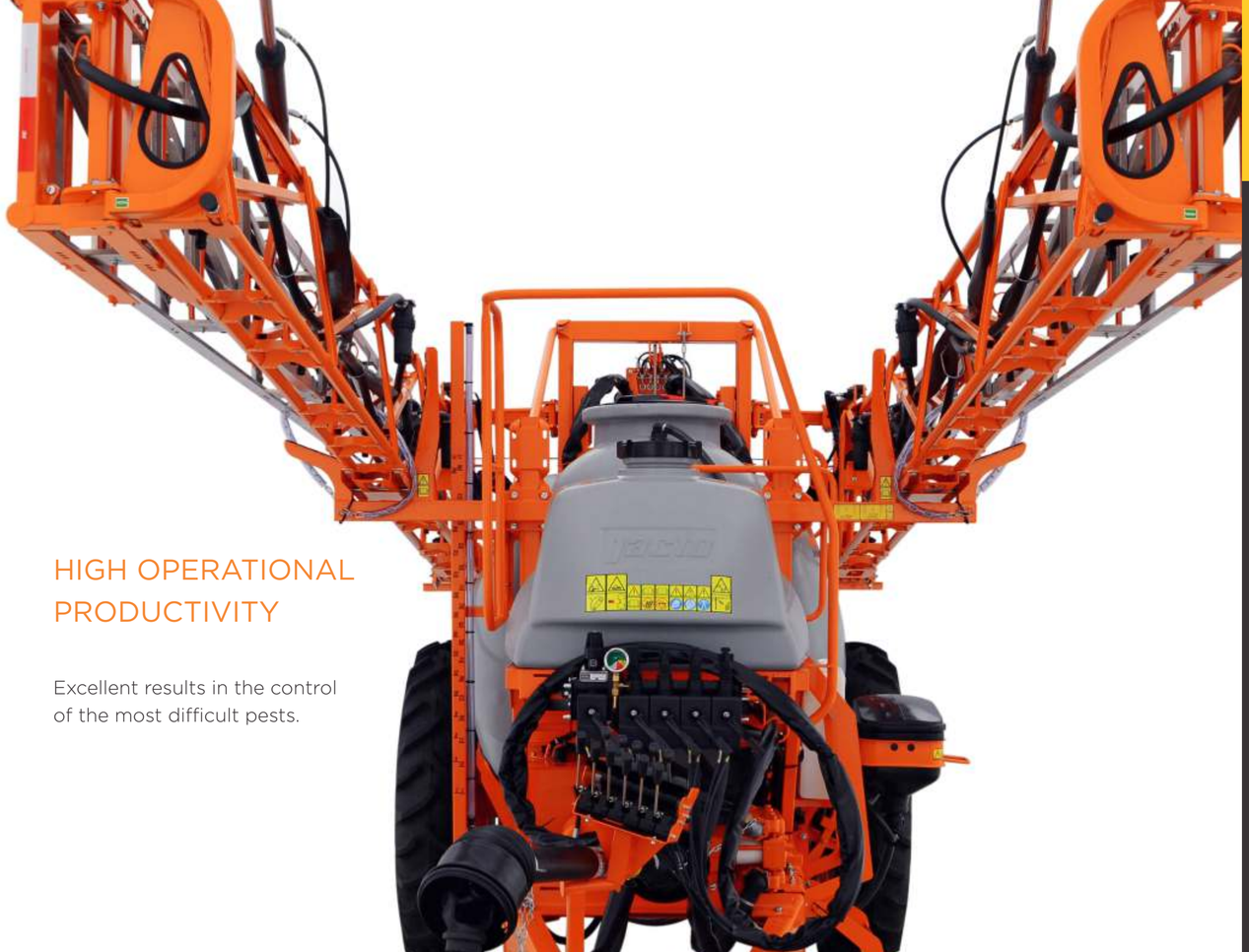
Bijet and quadrijet (optional) nozzles allow working with different types of nozzles for different applications and minimizing the time stopped to change nozzles.

FILLER UNIT (CLEAN SOURCE - optional)

JP-100 Clean Source Models with suction capacity of 205 L/min or JP-150 Models with suction capacity of 300 L/min allows quick filling.

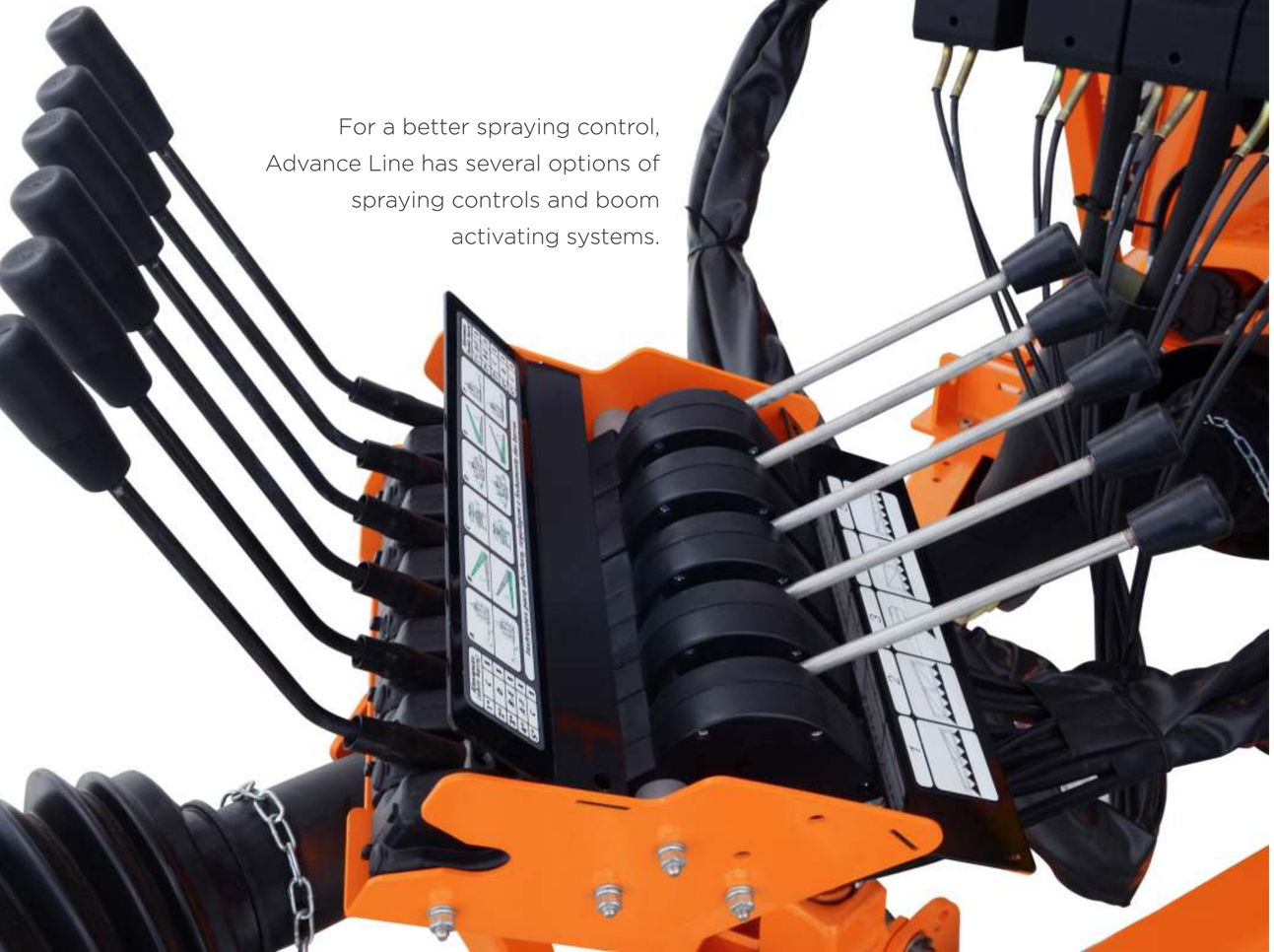
FILTER

The filtering system of the hydraulic circuit has a FVS 200 suction filter with two filtering elements in stainless steel mesh and quick-closing; in-line filters for each spraying boom section; filters in every nozzle that can be chosen according to the flow rate of the nozzle being used.



HIGH OPERATIONAL PRODUCTIVITY

Excellent results in the control of the most difficult pests.



For a better spraying control, Advance Line has several options of spraying controls and boom activating systems.

MASTERFLOW CONTROL

Masterflow Control is activated by manual levers.

Masterflow Control keeps spraying volume (L/ha) always constant even with variation in the tractor speed in the same gear.

Nozzle working pressure is also kept constant even when other boom sections are closed.

MASTERFLOW CABLE-OPERATED CONTROL

Masterflow Chemical Control and Hydraulic Control are activated in the tractor.

Boom and spraying activation control within operator's reach in the tractor provides more agility, comfort and higher productivity.

Control keeps spraying volume (L/ha) always constant even with variation in the tractor speed in the same gear.

Nozzle working pressure is also kept constant even when other boom sections are closed.

MASTERFLOW ELECTRICAL CONTROL

JEC-3300 (AM-18) and JEC-3500 (Vortex)

Electrical controls allow opening and closing spray nozzles and activate booms (JEC-3300) as well as Vortex system (JEC-3500).

Keeps spraying volume (L/ha) always constant even with variation in the tractor speed in the same gear.

Nozzle working pressure is also kept constant even when other boom sections are closed.

MASTERFLOW ELECTRONIC
CONTROL

Electrical-Electronic Masterflow Control with JSC-5000 controller and JEC-3200 / JEC-3400 (Vortex) Electrical Control.

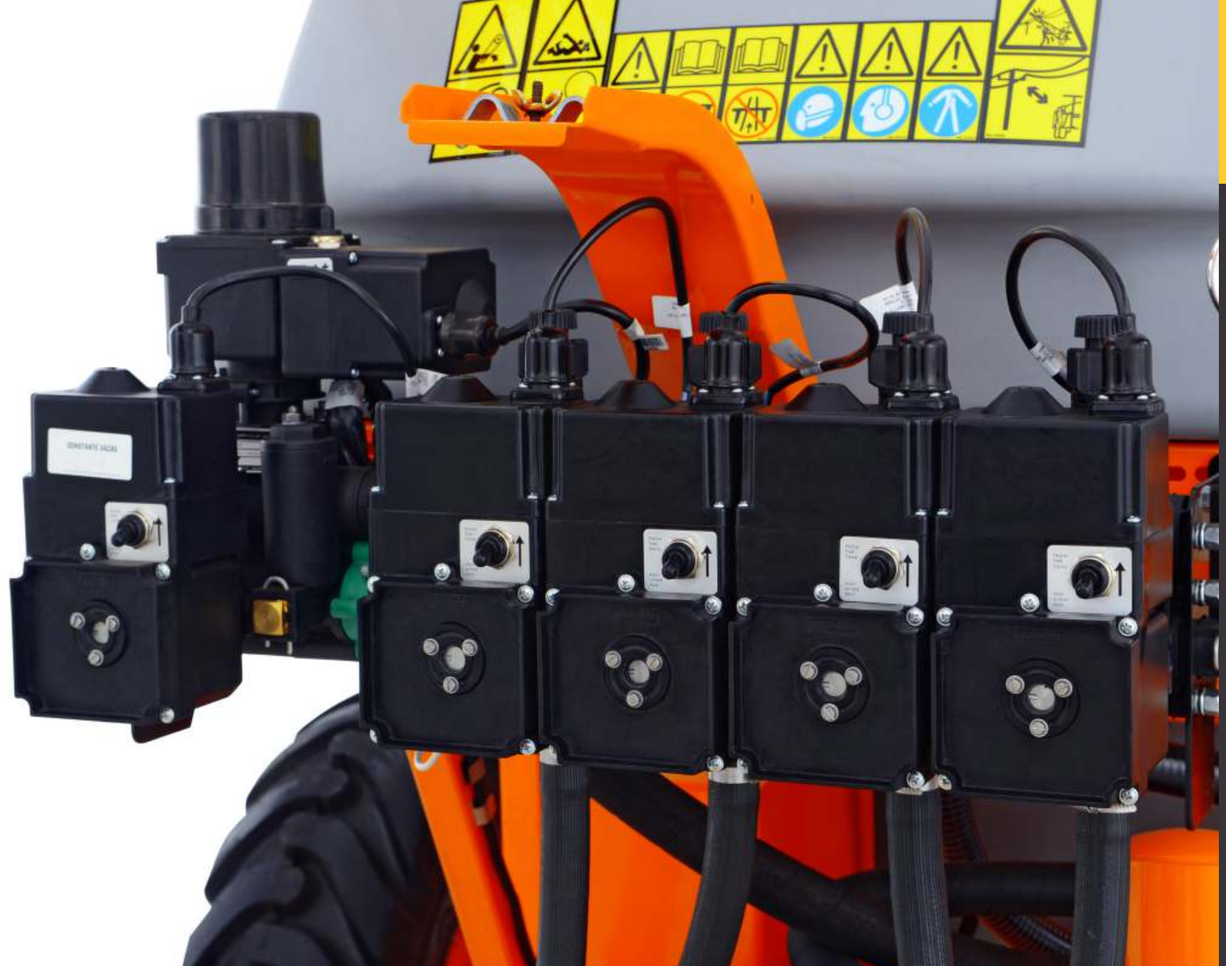
Programs and keeps spraying volume (L/ha) constant even with variation in the tractor speed. Informs working time, distance traveled, liters sprayed per minute, total and partial sprayed areas and total and partial sprayed volume. Allows opening and closing spray nozzles through electrical actuation. It is equipped with a switch for manual operations. JEC 3200 Control activates the hydraulic booms and JEC 3400 Control also activates the booms as well as Vortex system fan.

MASTERFLOW ELECTRONIC
CONTROL

MASTERFLOW ELECTRONIC
CONTROL

Electrical-Electronic Masterflow Control with JMC-2000/6 Controller (Available for Advance 3000 AM 24)

Responsible for opening and closing spray sections. The objective of this procedure is to keep pressure constant along the booms regardless of the number of sections working.



TECHNICAL SPECIFICATIONS

	ADVANCE 2000 AM 18 	ADVANCE 2000 AM 18 VORTEX 	ADVANCE 3000 AM 18 
Dimensions			
- Length x width x height	5.51 x 3.15 x 3.54 m	5,51 x 3,15 x 3,51 m	5,41 x 3,00 x 3,71 m
- Track width	1.80 a 2.20 m	1,80 a 2,20 m	1,80 a 2,20 m
- Axles	Adjustable track width	Adjustable track width	Adjustable track width
-Clearance	0.56	0,56	0,56
- Tires	12.4 x 36	12.4 x 36	12.4 x 36
- Weight	1830 kg	2120 kg	2000 kg
Tank			
-Capacity	2000 L	2000 L	3000 L
-Material	Polyethylene	Polyethylene	Polyethylene
-Agitator	Mechanical	Mechanical	Mechanical
Clean water tank			
-Capacity	200 L	200 L	200 L
-Material	Polyethylene	Polyethylene	Polyethylene
Pump			
-Model	JP-100 / JP-150	JP-100 / JP-150	JP-100 / JP-150
-Pumping capacity	100 l/min - 150 l/min	100 l/min - 150 l/min	100 l/min - 150 l/min
-Maximum working pressure	300 psi	300 psi	300 psi
Chemical filter			
-Model	FVS 200	FVS 200	FVS 200
-Capacity	200 L / min	200 L / min	200 L / min
-Mesh	24 / 40	24 / 40	24 / 40
Booms			
-Work width	18 m	18	18 m
-Actuation	Hydraulic	Hydraulic	Hydraulic
-Minimal / Maximum height	0.34 / 1.33 m	0,34 / 1,33 m	0,60/ 1,55 m
-Branches - spacing, nozzle quantity	35 cm / 53 nozzles - 50 cm 36 or 37 nozzles	35 cm / 53 nozzles - 50 cm 36 or 37 nozzles	35 cm / 53 nozzles - 50 cm 36 or 37 nozzles
-Nozzle-holders	Bijet / Quadrijet	Bijet / Quadrijet	Bijet / Quadrijet
Vortex			
-Maximum rotation	-	3000 rpm	-
-Air speed	-	100 km/h	-
-Air volume	-	11 m³/s	-
Working speed			
-Maximum power consumption	Up to 12 km/h 9 cv (JP-150)	Up to 12 km/h 34 cv (JP-150)	Up to 12 km/h 9 cv (JP-150)
Optional items	Filler Unit - Foam marker Quick coupling - Wide-angle PTO Shaft Lightbar - Automatic Section Controller	Filler Unit - Foam marker Quick coupling - Wide-angle PTO Shaft Lightbar - Automatic Section Controller	Filler Unit - Foam marker Quick coupling - Wide-angle PTO Shaft Lightbar - Automatic Section Controller

	ADVANCE 3000 AM 18 VORTEX 	ADVANCE 3000 AM 21 	ADVANCE 3000 AM 24 	ADVANCE 3000 TANDEN ARROZ 
Dimensions				
- Length x width x height	5.41 x 3.00 x 3.71 m	5.41 x 2.57x 3.41 m	6.05 x 2.61x 3.78 m	6.05 x 2.61x 3.78 m
- Track width	1,80 to 2,20 m	1.80 to 2.20 m	1.80 to 2.20 m	2.15 to 2.60 m
- Axles	Adjustable track width	Adjustable track width	Adjustable track width	Adjustable track width
-Clearance	0.56	0.56	0.56	0.60
- Tires	12.4 x 36	12.4 x 36	12.4 x 36	15.5 / 80-18
- Weight	2140 kg	2250 kg	2350 kg	2500 kg
Tank				
-Capacity	3000 L	3000 L	3000 L	3000 L
-Material	Polyethylene	Polyethylene	Polyethylene	Polyethylene
-Agitator	Mechanical	Mechanical	Mechanical	Mechanical
Clean water tank				
-Capacity	200 L	200 L	200 L	200 L
-Material	Polyethylene	Polyethylene	Polyethylene	Polyethylene
Pump				
-Model	JP-100 / JP-150	JP-100 / JP-150	JP-100 / JP-150	JP-100
-Pumping capacity	100 l/min - 150 l/min	100 l/min - 150 l/min	100 l/min - 150 l/min	100 l/min
-Maximum working pressure	300 psi	300 psi	300 psi	300 psi
Chemical filter				
-Model	FVS 200	FVS 200	FVS 200	FVS 200
-Capacity	200 L / min	200 L / min	200 L / min	200 L / min
-Mesh	24 / 40	24 / 40	24 / 40	24 / 40
Booms				
-Work width	18 m	21 m	24 m	24 m
-Actuation	Hydraulic	Hydraulic	Hydraulic	Hydraulic
-Minimal / Maximum height	0.60 / 1.55 m	0.55/ 1.78m	0.55/ 1.78m	0.55/ 1.78m
-Branches - spacing, nozzle quantity	35 cm / 53 nozzles - 50 cm 36 or 37 nozzles	35 cm / 61 nozzles - 50 cm 42 or 43 nozzles	35 cm / 70 nozzles - 50 cm 49 nozzles	50 cm / 49 nozzles
-Nozzle-holders	Bijet / Quadrijet	Bijet / Quadrijet	Bijet / Quadrijet	Bijet / Quadrijet
Vortex				
-Maximum rotation	3000 rpm	-	-	-
-Air speed	100 km/h	-	-	-
-Air volume	11 m³/s	-	-	-
Working speed				
-Maximum power consumption	Up to 12 km/h 34 cv (JP-150)	Up to 12 km/h 9 cv (JP-150)	Up to 12 km/h 9 cv (JP-150)	Up to 12 km/h 6 cv (JP-150)
Optional items	Filler Unit - Foam marker Quick coupling Wide-angle PTO Shaft Lightbar- Automatic Section Controller	Filler Unit - Foam marker Quick coupling - Wide-angle PTO Shaft Lightbar- Automatic Section Controller	Filler Unit - Foam marker Quick coupling - Wide-angle PTO Shaft Lightbar - Automatic Section Controller	Filler Unit - Foam marker Quick coupling - Wide-angle PTO Shaft Lightbar - Automatic Section Controller