AB MOST INTENSIVE BOOM®

> Unparalleled working comfort

New Holland control box

Display of spraying parameters:
> fan speed, display of open and closed sections
> Optional: Volume in tank (if electrical gauge), working pressure (if pressure sensor)

Setup of working parameters:
Fan speed during spraying and in the headlands (fuel economy), ACS, folding cycle.

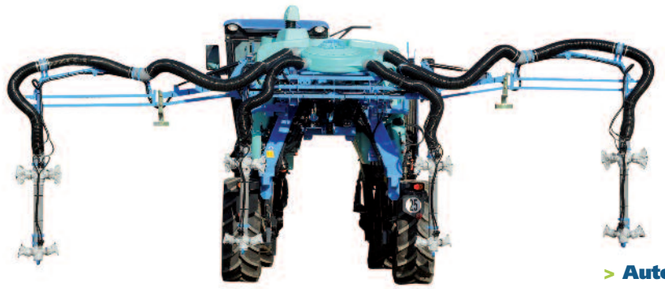
Joystick

CControl of the main spraying and boom functions useful during work: Opening and shutting off of spraying, spray pump, ventilation, ACS, and variable geometry (GV)

> Controllers for easy driving

> Simplification of operations at row-end
Supplied as standard, ACS (Simplified Driving Assistance) is an automatic sequencing device that makes row-end operations easier. At the end of the row, pressing the joystick once shuts off the spraying and lifts the boom and geometries. At the start of a row, press again to lower the geometries, bring the boom to its initial working height and open the spraying. On AB Most Intensive boom, the user can define the ACS parameters (lifting height, for example) according to his needs.

> Servo-controlled fan speed
The user can programme the fan speed during spraying. A servo-control system maintains this speed constant during the operation.
The user can also define a reduced rotation speed in the headlands to limit diesel consumption.



> Automatic ground monitoring (optional)

The automatic ground monitoring option makes it possible to work in fields with up to 30% super-elevation.
This system works by using ultrasonic sensors placed on the outer arms.
The sensors automatically control the movement of geometry (positive or negative) of the boom arms to maintain the spraying height constant with the contours of the ground.

> Automatic boom height correction

The user can define the desired working height using the NH control box.
An angle sensor placed on the parallelogram maintains the boom height constant to the ground independent of the tractor lift height.
This system is available as standard making it possible in particular to adapt automatically to different crop heights.

> Automatic folding

Available as standard, it automatically positions the arms above the folding supports.
The operator just has to lower the arms on the supports.

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BERTHOUD®

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Vines, Fruit bushes and Orchards

AB MOST INTENSIVE BOOM®

> AB Most Intensive boom for New Holland grape harvesters series 9000

exceptional ease of handling

HIGH LIFT CAPABILITY BY PARALLELOGRAM

CLEAR PASSAGE OF SPRAY DEFUSERS THROUGH THE ROWS, DUE TO A COMBINATION OF LIFT AND VARIABLE GEOMETRIC ARMS

spray control

SPEEDAIR AND SUPAIR MODELS

AIRMIST DIFFUSERS

AB MOST STANDARD OR WIDE COVERAGE SPRAY HEADS

EASYFLO CALIBRATIONS

SHUT-OFF OF EXTERNAL HALF-ROWS AND COMPLETE ROWS ARE AN OPTION

optimised air flow

FANS ON PARALLELOGRAM

SIMPLIFIED AIR FLOW CIRCUIT

unparalleled ease of use

NEW HOLLAND CONTROL BOX AND JOYSTICK

PROGRAMMABLE ACS

AUTOMATIC FOLDING

AUTOMATIC HEIGHT CORRECTION

SERVO-CONTROL OF FAN SPEED

GROUND MONITORING (OPTIONAL)

for vines 1,60 m to 2,50 m

SPRAYING OF 3 ROWS + 2 ½ ROWS

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AB MOST INTENSIVE BOOM®

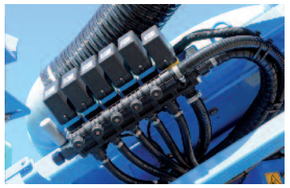
> Regulation

Constant pressure
Pressure display on manometer in the cab (as standard)
Pressure sensor with digital display and pressure regulation in the cab using the New Holland control box (optional)

> Distribution

3 electric VEC valves (as standard)
1 central section = straddled row + 2 sections for lateral and ½ rows

5 electric gate valves or VEC (optional)
1 central section = straddled row + 2 sections for lateral rows + 2 outer sections for the half rows
> Shut-off of external half rows
> Row-by-row shut-off



> AB Most sprayers

Spraying from both sides
2 stages of Airmist diffusers (as standard)
> Perfectly uniform distribution between row sides and vegetation levels
> Localised spraying
Wide coverage Airmist diffuser used in high level option
> Increase in coverage height

Easyflo calibrating modules
Calibration by swirl nozzle
> Precise calibration
> Low volume/ha application without risk of blocages
Calibration by outlet
> Uniform distribution from the outlet
Anti-drip with built-in Monostop
> Individual shut-off of outlets

Airmist diffusers (Berthoud patent)
Optimal droplet size
Perfectly homogenous spraying spectrum
> Homogenous distribution and penetration
Dual-feed
> Limited risks of blocages
Diffusers mounted on ball-joint
> Easy adjustment

> Lift on parallelogram

Transfer of forces to the tractor chassis
> Increase in structure durability
High boom lift height
Boom height of 1.80 m
> Adaptation to various crop heights
> End of row operations made easy
Cushioned nitrogen gas accumulator suspension
> Boom stability
> Increase in structure durability
Automatic boom height correction
By use of angle sensors on the parallelogram
Height configuration by use of the New Holland control box
> Maintains the boom height constant from the ground, independently of the tractor's lifting height
> automatic adaptation to various crop heights

> Models Speedair or Supair

Impeller with closed centre and fan cage with radial outlets
> High performance
> Low sound level
On central arm
> Simplified air flow circuit
Direct drive by hydraulic motor
> Simplified transmission
> Improved hydraulic performance
Servo-controlled rotation speed
Rotation speed configurable during spraying and at the headland
Constant spraying output regardless of the forward speed, slopes, etc.
> Spraying quality
Reduced speed in headlands
> Reduced fuel consumption

> Variable geometry

Positive geometry
> Easy passage of spray legs above the crops during end of row operations
> reduction of the overall machine width with the boom arms folded

Negative geometry
> If soil monitoring option is chosen

> Side folding

Automatic folding
Programmable automatic sequencial fold and lift operations
> Working comfort
Reduced machine width
Booms folded with-in the tractor dimensions
> Comfort of driving on road
> Safety

> Simplified operation

Integrated chemical hopper
Hydraulic fold-away system
Built-in hopper rinsing and container rinsing
> Comfort, safety, and respect of the environment

Filling pump (optional)
Centrifugal pump 300 to 500 l/min (depending on suction height)

Berlogic panel
All valves centralised
Identification of different functions with a numbered system
> Ease of use

Ribbon gauge
Analogue (as standard)
Electrical with display on New Holland control box (optional)

Filtration
Suction and discharge filters centralised at the rear of the machine
> Easy to maintain

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