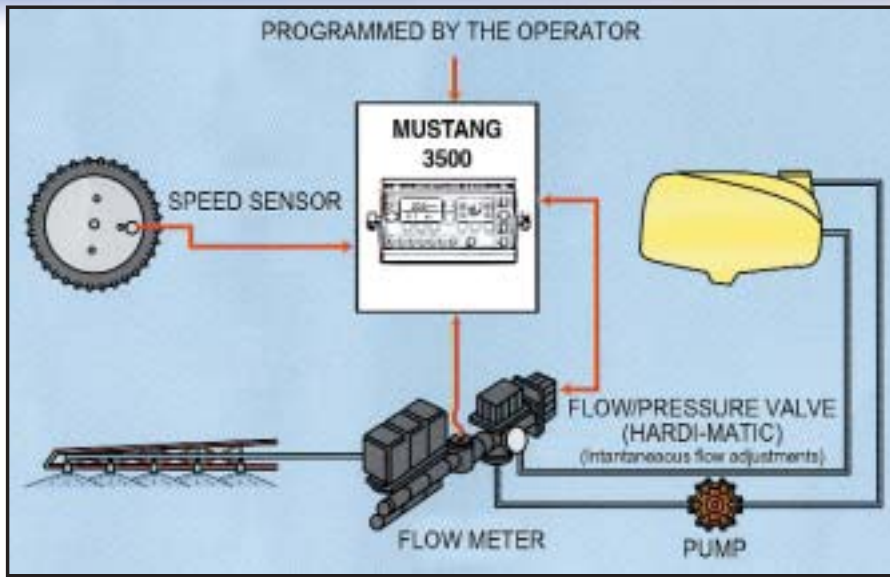




- **Integrated sprayer electronics for the most demanding operators.**

MUSTANG 3500

A new generation of high precision rate controllers with fully integrated integrated TWIN FORCE controls (air assisted sprayers), 3 position counters, DGPS compatible, prepared for communication (iPAQ - models: 3650, 3670), variable rate application



Technology

- A speed sensor mounted on the wheel measures the driving speed - (also radar compatible)
- A flow meter mounted in connection with the HARDI® electric motorized boom section valves measures the flow
- The MUSTANG 3500 compares the initial programming with the measured input from the speed sensor and the flow meter. It automatically adjusts the electric motorized HARDI® flow and pressure regulating valve to maintain the desired application rate
- When individual boom sections are switched off, the MUSTANG 3500 compensates the amount of flow to the boom accordingly, automatically correcting the total accumulated surface sprayed



- 1 Quick connection to HARDI® electric motorized valves through the HARDI® 20-pin connector
- 2 Quick connection to either standard or high capacity version HARDI® foam markers
- 3 Power and serial I/O
- 4 Quick connection to speed sensor, flow sensor or pressure transducer (optional)
- 5 Quick connection to TWIN FORCE (HARDI® air assisted sprayers) for air slot angling and fan speed control (Note: only located on TWIN FORCE modules)



- 1 Main POWER switch
- 2 Light sensor - senses ambient light, automatically turns back-lighting on or off when needed
- 3 Warning light - will indicate when targeted application rate is exceeded by more than +/- 10%
- 4 Display area - the upper half displays the actual application rate or actual fan "RPM" (eg. 3100)
 A: The lower left area displays the pressure (if equipped with optional pressure transducer)
 B: The lower right area displays application data at your choice (eg. actual SPEED, actual Flow Per Minute... etc.) selected from the Rotary Switch position. Shown above "3100" for fan RPM adjustment (HARDI® air assisted sprayers)
- 5 SYSTEM CAL. button - is used to enter changes in factory-preset values to meet special operation requirements
- 6 ROTARY SWITCH positions: *Speed* - displays actual ground speed / *Flow Per Minute* - displays the amount of product being applied per minute / *Total Area* - keeps a running count of the total field areas covered / *Total Flow* - displays the total amount of product applied / *Field Area* - keeps a running count of a particular field area covered / *Field Flow* - displays the amount of product applied in a particular field area / *Target Rate* - programmed target application rate / *Min. Flow* - programmed minimum flow per minute / *Adjust Rate* - programmed percent change for "on-the-go" adjustment of application rate / *Flow Cal.* - flow meter calibration value / *Boom Width* - programmed working width of each boom section / *Speed Cal./Distance* - programmed wheel circumference value as well as accumulated total distance traveled

ated boom controls (3 - 7 sections), integrated foam marker controls, visible preprogrammed application rate settings, 9 different field operation with Precision Farming Terminals and pocket PC's, rain & dust proof, 3 year warranty ... and much more!



- 7 FOAM MARKER control – for HARDI® standard version or high capacity foam markers
 - LEFT/AUTO/RIGHT switch: determines which boom side that is applying the foam (automatic switching between left & right is possible)
 - MARKER ON/OFF: turns the foam marker control ON or OFF
 - FOAM: increases or decreases the foam rate (the spacing between the foam droplets) A foam rate percentage value is indicated on the display
- 8 MASTER CONTROL switch – determines in which mode the user is operating
 - AUTO: automatic application mode
 - MAN.: manual application mode
 - HOLD: main ON/OFF switch for the entire spray boom
- 9 RESET button – clears a selected “TOTAL” counter when held for one second
- 10 MODE switch (only for TWIN FORCE) – application rate/ TWIN slot angling/ TWIN fan speed
 - RPM: adjusts fan speed (and displays fan RPM) for TWIN FORCE (HARDI® air assisted sprayers)
 - ANGLE: adjusts air slot angling on TWIN FORCE (HARDI® air assisted sprayers)
 - RATE: in this position, the application rate can be adjusted by the ADJUST switch
- 11 TEST button – used to enter test speed mode for spraying simulation (controller test)
- 12 ADJUST switch – manual adjustment of the application rate (also used for other controller settings)
- 13 TANK button – displays the remaining volume left in the tank
- 14 PRINT button – allows user to print out stored calibration settings and accumulated values
- 15 BOOM switches – ON/OFF control for each individual boom section
- 16 RATE buttons – preprogrammed application rate settings (and preset air slot angling with TWIN FORCE)

Mustang 3500
3 sections



Mustang 3500
4 sections



Mustang 3500
5 sections



Mustang 3500
6 sections



Mustang 3500
7 sections



Mustang 3500
4 sections
TWIN FORCE



MUSTANG 3500

Backlit display and functions for nighttime applications



Internationalization

HARDI® products are sold throughout the world in more than 100 countries. Factories are located in Denmark, France, Spain, and Australia. Additional sales and assembly subsidiaries are in England, Norway, Germany, United States and Canada.

The North American distribution centers are large facilities with state-of-the-art training rooms in Davenport, IA, Fresno, CA, and London, ON working together with an experienced staff to support a vast network of first class company trained dealers.



Davenport, Iowa



London, Ontario



Fresno, California



Hoje Taastrup, Denmark



Norre Alslev, Denmark

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