Add Machine Configuration

\+

New Hardware Configuration Detected

Please add a new machine configuration.

OK   Cancel

Boom
Capacity

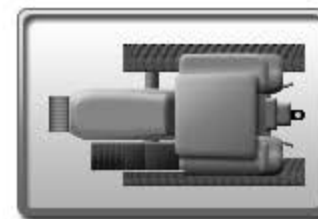Speed
Settings

CAN
System

Machine Configuration Name

Hagie

| ! | @ | # | $ | ¢ | ' | - | _ | (|) |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | ← |

| q | w | e | r | t | y | u | i | o | p |

| a | s | d | f | g | h | j | k | l | #+= |

| z | x | c | v | b | n | m | , | ? | ⇧ |

en-US

Please Select a Machine Type

Self-Propelled

Traditional Tractor

Track Tractor

Clone Existing Machine

Please Select a Machine Type

Hagie

Please choose a machine profile

Or press OK to enter custom values

Type	Applicator
Sub-Type	Sprayer
Manufacturer	Hagie
Model	STS 12i/14/16

OK

Please Select a Machine Type

Please choose equipment

- [ ] 90' / 15" / 5 sections
- [ ] 90' / 15" / 6 sections
- [ ] 90' / 15" / 7 sections
- [ ] 90' / 15" / 8 sections

OK

Self-Propelled - General Information

Type	Applicator
Sub-Type	Sprayer
Manufacturer	Hagie
Model	STS 12i/14/16
Nickname	Hagie

Self-Propelled - Measurements

GPS Measurements

←•→	Center	0	in
↕	Fore	139	in
GPS Height		156	in
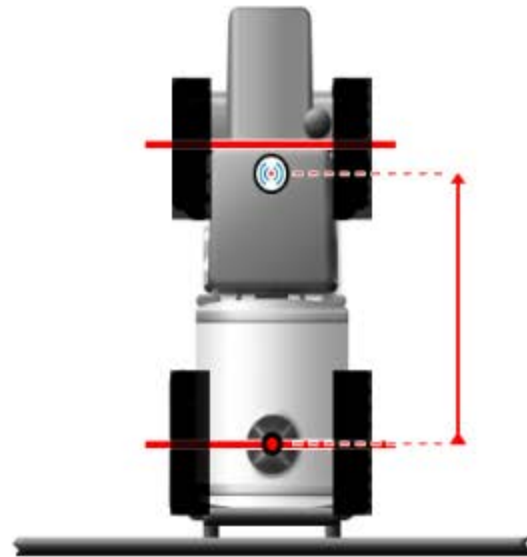
Machine Measurements

Wheel Base	166	in

Self-Propelled - Equipment

16

Hagie 16

AccuBoom

AutoBoom

AutoFold

Boom
Capacity

Speed
Settings

CAN
System

VT

Hagie

N01

0%
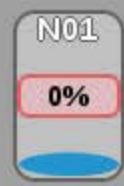
New Product Config

Hagie
RAVEN

Select Profile

Select the Profile that you would like to load. If "New" is selected the Setup Wizard will begin and a new Profile will be created.

New Profile

RAVEN

AUX

Hagie

VT

AUX

Name Profile

Profile Name

* **Hagie STS12**

Machine Type

* Self-propelled Sprayer

Application Width * 120.000 (ft)

Software Version Number 1.1.0.16

Hardware Serial Number 1006

RAVEN

Hagie

Hagie S
RAVEN

Setup System

ECU S/N	ECU #	Number of Products
RCM-1006	1	1

RAVEN

AUX

Hagie

Hagie S
RAVEN

Setup Application Type

Product 1 Liquid

Application Mode

* Liquid

Application Mode - Liquid

Conventional Liquid application.
Application rate is entered and
documented as
Gallons/Acre(Liters/Hectare)

RAVEN

AUX
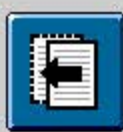
Hagie

Hagie S
RAVEN

Setup Sections

Number of* Sections **9**

Section Valve Type **3-Wire**

Equal Width Sections ☐

Fence Rows Enable ☐

RAVEN

AUX

Hagie

Hagie S
RAVEN

Setup Section Width

Enter the width of the sections

1* (ft)	11.875	7* (ft)	15.000
2* (ft)	12.500	8* (ft)	12.500
3* (ft)	15.000	9* (ft)	11.875
4* (ft)	15.000		
5* (ft)	11.250		
6* (ft)	15.000		

RAVEN

AUX

Switch Mapping

Select the switch associated with section.

Section* 1 — 1

Section* 7 — 7

Section* 2 — 2

Section 8 — 8

Section* 3 — 3

Section 9 — 9

Section* 4 — 4

Section* 5 — 5

Section* 6 — 6

RAVEN

Hagie

Hagie S **RAVEN**

Section Summary

120.000(ft)

Product 1

12	13	15	15	11	15	15	13	12
1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9

Liquid Section Width	Granular Section Width	Wired Signal Driver	Switch Number

RAVEN

AUX

Hagie

Hagie S
RAVEN

AUX

Setup Pressure Sensors

Product 1 Liquid   ?

Pressure Sensor 1   Custom

Pressure Sensor 2   None

Verify Pressure Calibration after Setup Wizard. For "Custom" sensor types refer to Advanced Pressure Calibration.

RAVEN

Hagie

Hagie S
RAVEN

AUX
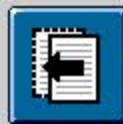
Setup Pressure Alarms

	Min	Max	Alarm?
Pressure 1 (PSI)	0	0	?
Pressure 2 (PSI)	0	0	

RAVEN

Hagie

AUX

Setup Auxiliary Functions

Agitator
Installed ☐

?

Flow Return
Installed ☐

RAVEN

Hagie

Hagie S
RAVEN

AUX

Setup Control Valve

Product 1 Liquid ?

Control Valve Type: **PWM**

Valve Response Rate (1-100): **20**

Control Deadband (%): **2**

Valve Delay (seconds): **0.0**

RAVEN

Hagie

Hagie S
RAVEN

VT

AUX

Setup PWM

Product 1 Liquid

?

Coil Frequency (Hz) | **122**

PWM High Limit (%) | **70.0**

PWM Low Limit (%) | **40.0**

PWM Standby (%) | **45.0**
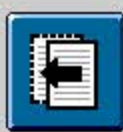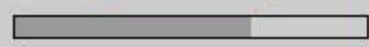
RAVEN

Hagie

Hagie S
RAVEN

Setup Rate Sensor

Product 1 Liquid

?

Flowmeter* Calibration **3780**

Flowmeter Pulse/Units **10 gal**

RAVEN

AUX

Hagie

Hagie S **RAVEN**

Setup Tank/Bin

Product 1 Liquid

Tank Capacity (gal)	1200 ⬅
Current Tank Level (gal)	0

Alarm?

Low Tank Level (gal)	0	[ ]
Tank Fill Monitor	[ ]	

RAVEN

AUX
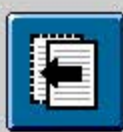
Hagie

Hagie S
RAVEN

Setup Rates

Product 1 Liquid [?]

	Rate 1	Rate 2	Rate 3
Preset Rate* Values (gal/ac)	10.0	0.0	0.0

Rate Bump (gal/ac) 0.0

Rate Selection Predefined or Rx

Display Smoothing ✓

Decimal Shift 1
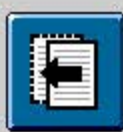
Standby Pressure (PSI) 20 ✓

RAVEN

AUX

Hagie

AUX
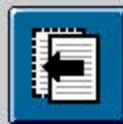
Setup Alarms

Product 1 Liquid

?

Alarm?

Off Rate Alarm
(% off target rate)   **20**   ☑

If Pressure Sensor 1 has a minimum
pressure alarm enabled the system
will not drop below that pressure
to maintain spray pattern.

RAVEN

Hagie S
RAVEN

Hagie

Hagie S
RAVEN

Setup Summary

Profile Name   Hagie STS12

Machine Type   Self-propelled Sprayer

Number of Products   1
Number of Sections   9
Implement Width(ft)   120.000
Switchbox Present   No
Section Valve Type   3-Wire
Agitator Valve   Not Installed
Agitator Duty Cycle   10
Flow Return   Not Installed

Left Fence Row Driver   Not Installed
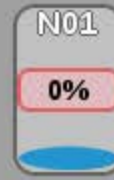
Right Fence Row Driver   Not Installed

RAVEN

AUX

Hagie 16

N01

0%

New Product Config

Test
RAVEN

AUX

Raven RCM-Setup

Test

System Settings

Control
Valve
Setup

Pressure
Sensor
Setup

Rate
Sensor
Setup

Auxiliary
Functions
Setup

Tank
Fill
Settings

Display
Setup
Menu

RAVEN

1 2 3

Hagie 16

AccuBoom

AutoBoom

AutoFold

Boom
Capacity

Speed
Settings

CAN
System

Self-Propelled - General Information

Type	Applicator
Sub-Type	Sprayer
Manufacturer	Hagie
Model	STS 12i/14/16
Nickname	16

Self-Propelled - Equipment

Self-Propelled - Equipment

1.

Name: Sprayer Section Group 1

Type: Spray Boom
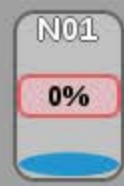
| S01 | S02 | S03 | S04 | S05 | S06 | S07 | S08 | S09 |

Hagie 16

N01

0%

New Product Config

Test
RAVEN

Raven RCM-Setup   Test

System Settings

Control
Valve
Setup

Pressure
Sensor
Setup

Rate
Sensor
Setup

Auxiliary
Functions
Setup

Tank
Fill
Settings

Display
Setup
Menu

RAVEN

1 2 3

AUX

Hagie 16

N01

0%

New Product Config

Test
RAVEN
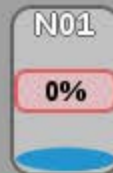
Pressure Sensor Setup

Pressure Sensor 1 | Custom

Pressure Sensor 2 | None

Calibrate Pressure Sensor

Pressure Assignment Setup

RAVEN
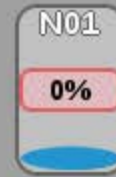
AUX

Hagie 16

N01

0%

New Product Config

Test
RAVEN

Pressure Sensors Calibration

Pressure Sensor 1

1. Ensure there is zero pressure at the sensor to be calibrated.
2. Enable the sections to spray.
3. Press the Calibration button for the desired type of calibration to begin test and set zero point.

Voltage-based Calibration

Operation-based Calibration

RAVEN

AUX

WARNING

Running this test will discharge liquid from the nozzles.

To avoid injury from exposure to chemicals, use clean water and appropriate personal protective equipment.

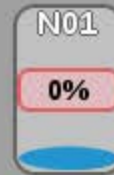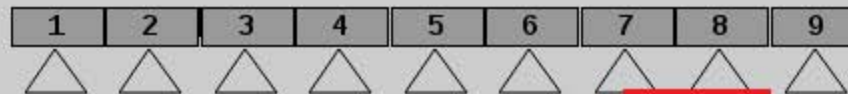If necessary, use the master switch to stop application.

Test
RAVEN

N01

0%

Hagie 16

New Product Config

Test
RAVEN

AUX

Pressure Sensors Calibration

Pressure Sensor 1

Enable the sections you wish to spray during Pressure Sensor Calibration.

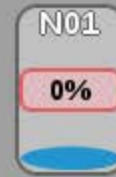| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

RAVEN

N01

0%

New Product Config

Hagie 16

VT

Test
RAVEN

Pressure Sensors Calibration

Pressure Sensor 1

Operation-based Calibration

1. Set the pump to the normal operating speed.

2. Turn master switch on.

3. Proceed to the next step. This will commence product application.

Master OFF

RAVEN

AUX