

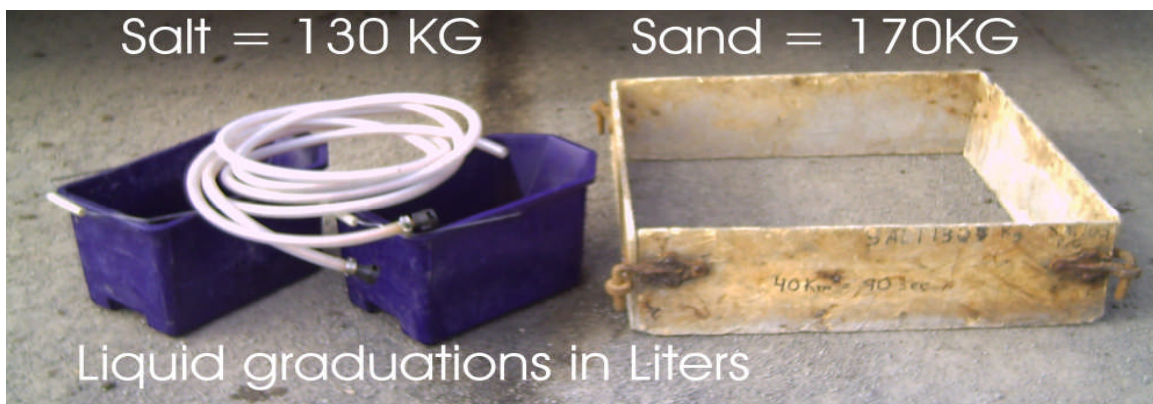
## Dickey-john : Control Point Liquid Pre-Wet Calibration

You need a Calibration Keyboard, Calibration Container, and collection hoses



### **Calibration Container**

A plastic liquid bucket with liter graduations, found in many stores works well. The graduation should be clear, and volume 15 liters or more.

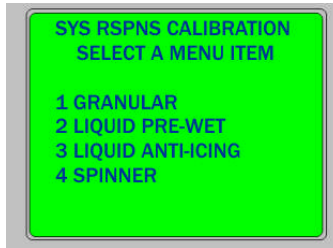


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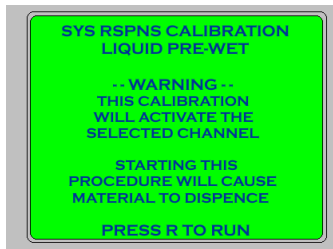
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# Calibration of System Response f11

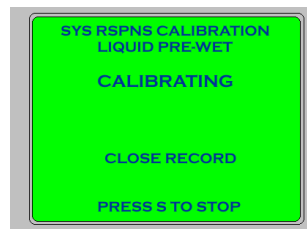
- 1/ Turn the truck on: engage PTO and increase rpm to 1500.  
Go to f 11 on your keyboard



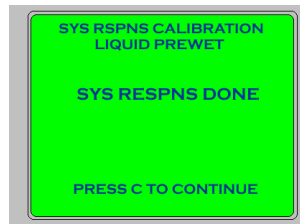
Choose 2: for Liquid Pre-wet



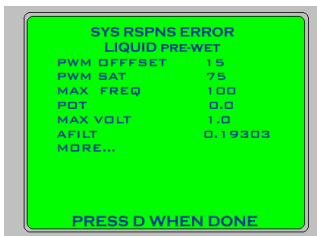
Press R to Run



Start and stop is normal



If every thing ran properly you will see DONE  
After 1 minute or 2.



SYS Error failure

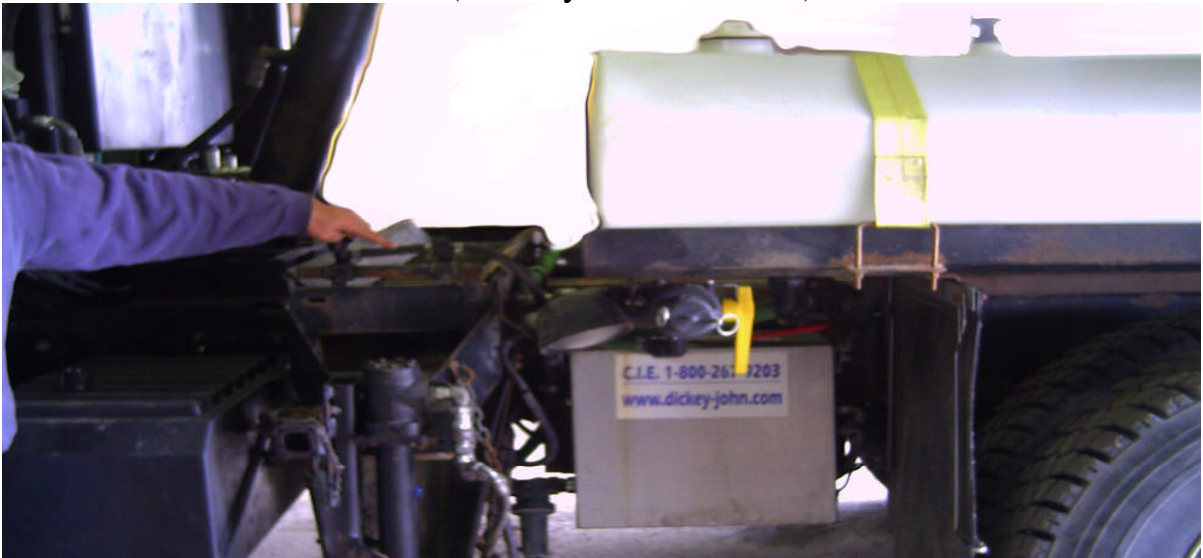
- 1/ Check if PTO is on. And liquid valves.
- 2/ Controller did not see an application rate signal; check wiring to sensor and check sensor its self.

1/

Load the truck tanks with the desired Liquid.



(Two style tanks shown)

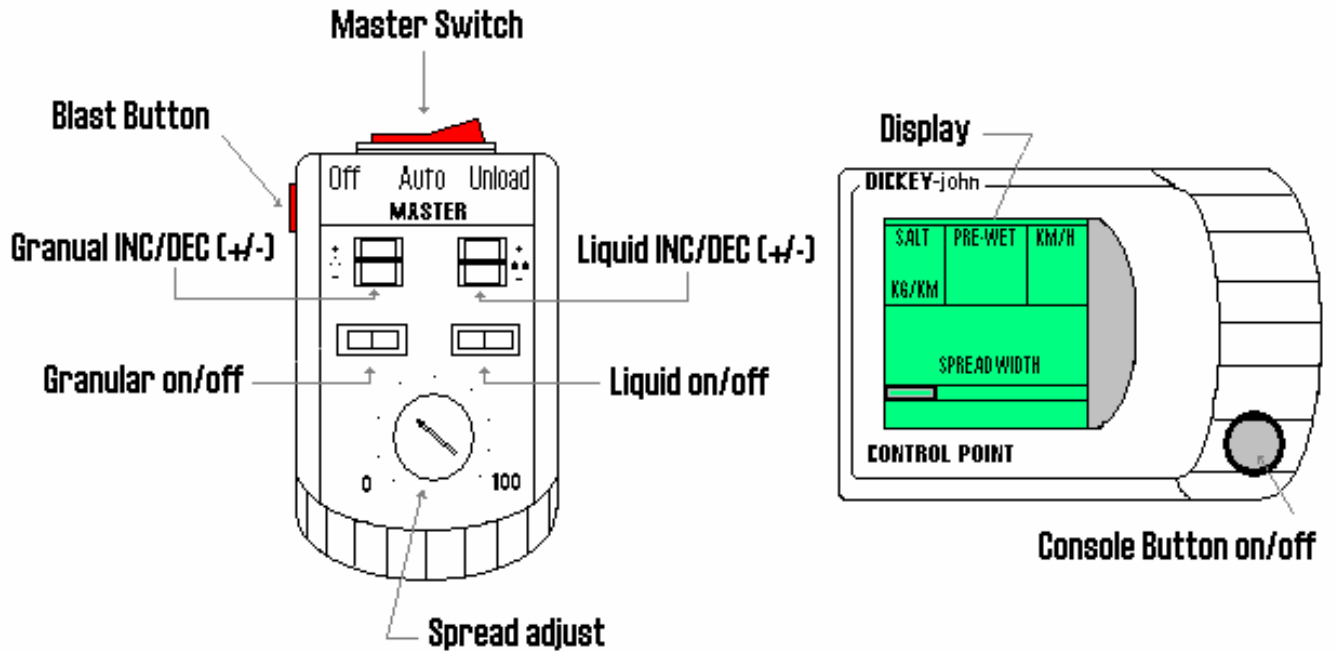


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2/

Liquid switch needs to be ON

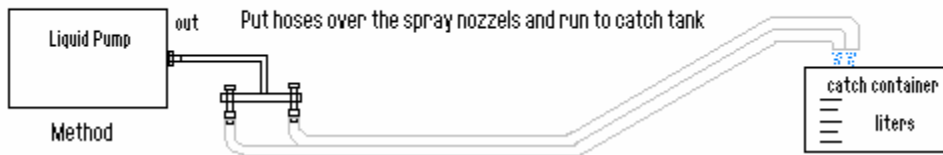
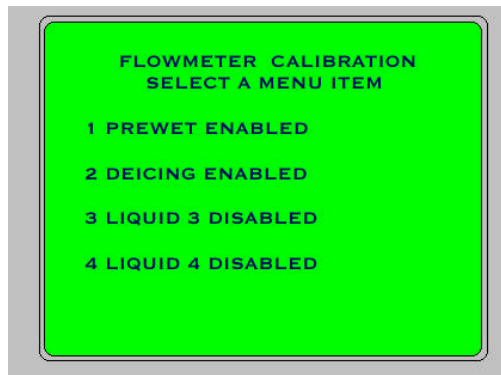
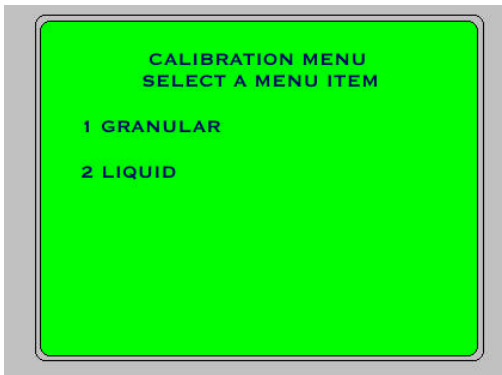


4/

**Place hoses over tips as in photo.**

**Go to: F6 on Keyboard**

Press **F6** for calibration on keyboard – press **1 Pre-Wet** – **1 Liquid (enabled)**



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5/ Your display should read:



**--WARNING--**

**This calibration will activate the selected channel**  
**----- Catch material in weighted container -----**  
**PRESS R TO RUN**

6/ Press **R** and fill the box. Press **S** to stop when container has about 10 liters.



7/ Enter the volume of the liquid in liters

Press **enter** (it will calculate pulses/liter) see top of screen!

Enter the volume again; push Enter notice the calculation result at the TOP  
Record this number

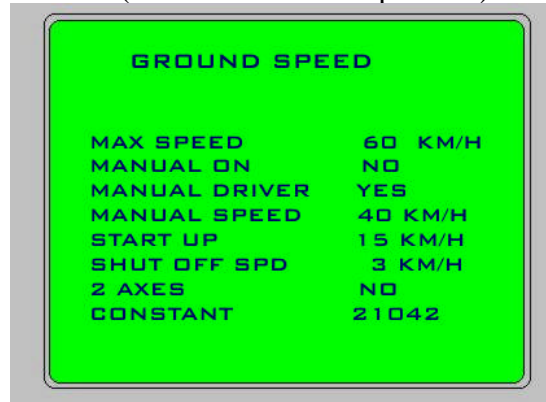


8/ Press **D** when finished.

9/ Repeat this procedure for each liquid used

## Verification

Set manual speed to 40 km/hr (use manual speed F7 configuration)  
(You will need a stop watch)



### Verification

Run Speed at 40km/hr in manual mode

Run Salt 130kg/km and liquid 39 liters/ton; 1km in 1.5 minutes. (90sec)

Direct your nozzle spray into your catch bucket. In 90 sec you should have 5 liters.

- liquid 1 (Salt Brine)
- liquid 2 (Calcium Chloride)
- liquid 3 (magnesium Chloride)
- liquid 4 (Other)

*(You can increase or decrease the constant to match the level of fill.)*

*Too much liquid means reduce the constant (pulses per liter) by the % needed.*

*Too little liquid means reduce the constant (pulses per liter) by the % needed.*



**Champion Industrial Equipment 1-613-938-2900**

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