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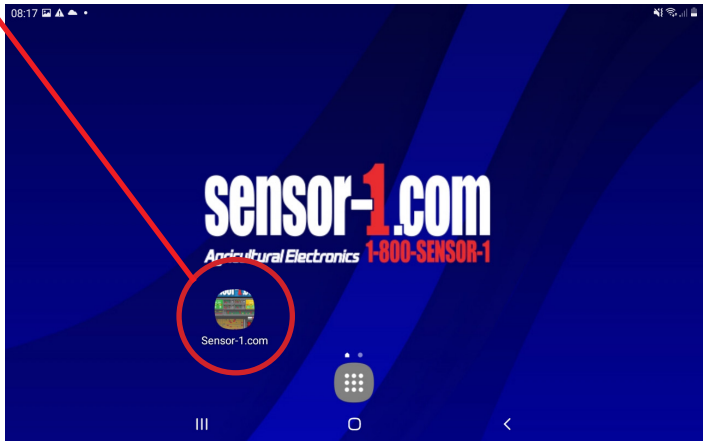
Agricultural Electronics 1-800-SENSOR-1

Population Monitoring Setup
PM2022

PM 2022 Population Setup

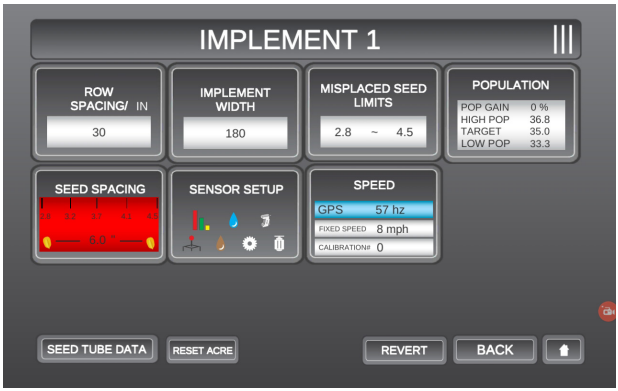
When starting the monitor press the power button on the tablet. When finished planting, to turn the monitor off, press the power button until a screen appears to power off the tablet.

Home Screen Upon startup, the monitor will display the home screen. To start the application, locate the Sensor-1.com Population Monitor Icon on the Home Screen of your Tablet.

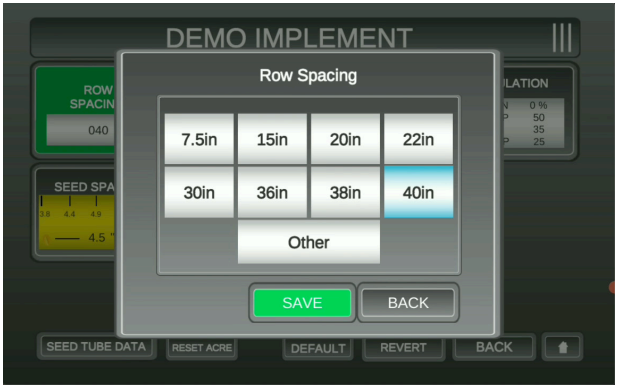


The following Screen should appear. Select your Implement to begin.

Implement Screen: You can change your implement name by selecting the 3 bars to the right of the Implement Name.

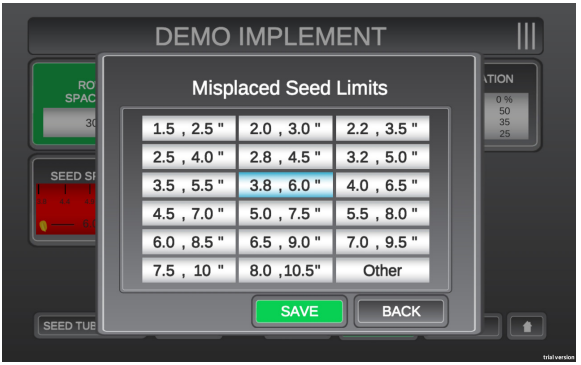


Row Spacing Screen: Select the Row Spacing Button. Then select your row spacing.



The Implement width will automatically change with your settings, so there is no need to change it.

Misplaced Seeds Screen:

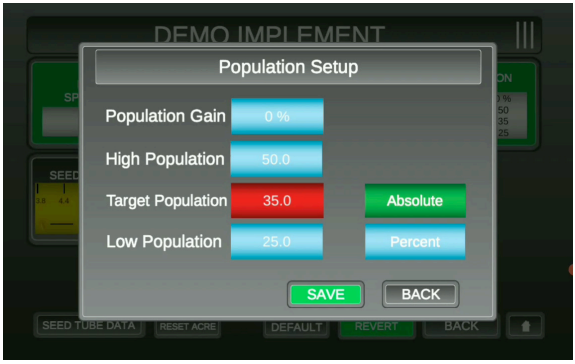


To find your Misplaced Seed Limits please refer to the Graph below.

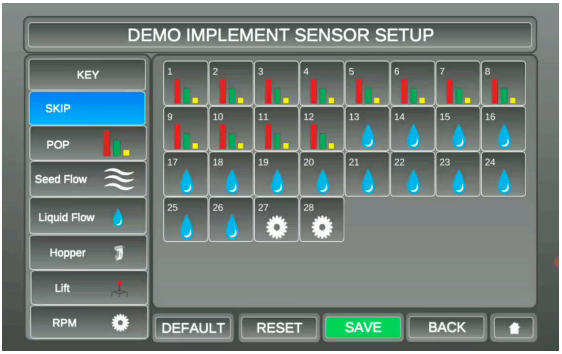
Row Width										Seed Spacing	Miles per Hour						Misplaced Seed Limits	
15	18	20	22	28	30	36	38	40	60		3	4	5	6	7	8	Econ.	Min.
209,088	174,240	156,816	142,560	112,011	104,544	87,120	82,535	78,408	52,272	2	26	35	44	53	62	70	NA	NA
167,270	139,392	125,453	114,048	89,609	83,635	69,696	66,028	62,726	41,818	2.5	21	28	35	42	49	56	NA	NA
139,392	116,160	104,544	95,040	74,674	69,696	58,080	55,023	52,272	34,848	3	18	23	29	35	41	47	1.5", 2.5"	1.5", 2.5"
119,479	99,566	89,609	81,463	64,007	59,739	49,783	47,163	44,805	29,870	3.5	15	20	25	30	35	40	1.5", 2.5"	1.5", 2.5"
104,544	87,120	78,408	71,280	56,006	52,272	43,560	41,267	39,204	26,136	4	13	18	22	26	31	35	1.5", 2.5"	2.0", 3.0"
92,928	77,440	69,696	63,360	49,783	46,464	38,720	36,682	34,848	23,232	4.5	12	16	20	23	27	31	2.0", 3.0"	2.2", 3.5"
83,635	69,696	62,726	57,024	44,805	41,818	34,848	33,014	31,363	20,909	5	11	14	18	21	25	28	2.2", 3.5"	2.5", 4.0"
76,032	63,360	57,024	51,840	40,731	38,016	31,680	30,013	28,512	19,008	5.5	10	13	16	19	22	26	2.5", 4.0"	2.8", 4.5"
69,696	58,080	52,272	47,520	37,337	34,848	29,040	27,512	26,136	17,424	6	9	12	15	18	21	23	2.8", 4.5"	3.2", 5.0"
64,335	53,612	48,251	43,865	34,465	32,167	26,806	25,395	24,126	16,084	6.5	8	11	14	16	19	22	3.2", 5.0"	3.5", 5.5"
59,739	49,783	44,805	40,731	32,003	29,870	24,891	23,581	22,402	14,935	7	8	10	13	15	18	20	3.5", 5.5"	3.8", 6.0"
55,757	46,464	41,818	38,016	29,870	27,878	23,232	22,009	20,909	13,939	7.5	7	9	12	14	16	19	3.8", 6.0"	4.0", 6.5"
52,272	43,560	39,204	35,640	28,003	26,136	21,780	20,634	19,602	13,068	8	7	9	11	13	15	18	4.0", 6.5"	4.5",7.0"
49,197	40,998	36,898	33,544	26,356	24,599	20,499	19,420	18,449	12,299	8.5	6	8	10	12	14	17	4.5",7.0"	4.5",7.0"
46,464	38,720	34,848	31,680	24,891	23,232	19,360	18,341	17,424	11,616	9	6	8	10	12	14	16	4.5",7.0"	4.5",7.0"
44,019	36,682	33,014	30,013	23,581	22,009	18,341	17,376	16,507	11,005	9.5	6	7	9	11	13	15	4.5",7.0"	4.5",7.0"
41,818	34,848	31,363	28,512	22,402	20,909	17,424	16,507	15,682	10,454	10	5	7	9	11	12	14	4.5",7.0"	4.5",7.0"
Population										Inches	Seeds per Second							

Population Setup Screen: On this screen you will want to select absolute. Then select the target population and adjust that number. It will automatically adjust the High and Low Population.

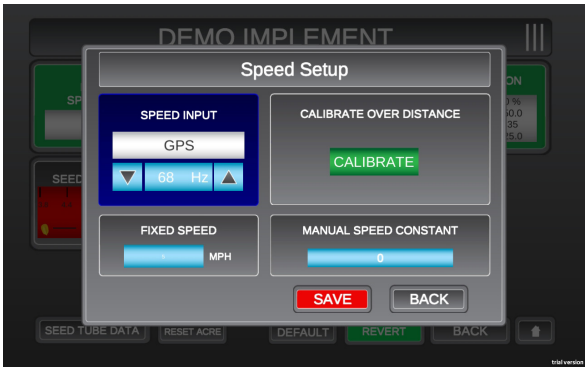
NOTE: Do not adjust the population gain unless you are planting into the millions.



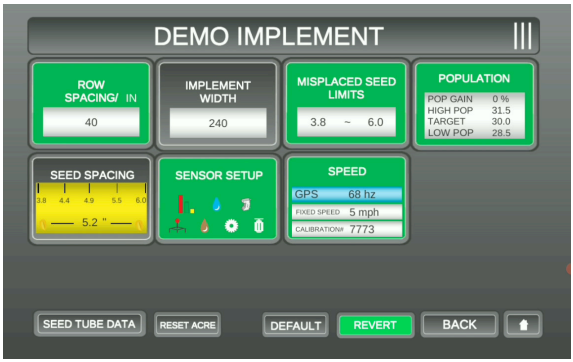
Sensor Setup Screen: To populate this screen for your planting needs, you will need to select the population icon on the left hand side of the screen and then choose the individual rows that you want to see population for. After you have selected your rows you can hit save.

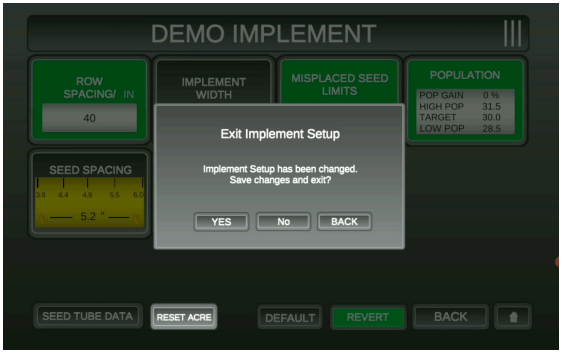


Speed Setup Screen: Make sure the Speed Input of GPS is selected. then click Save.



On the implement screen you will want to select the home button in the lower right hand corner. Which will take you to an Exit Implement Set-up Screen. Click YES to save your changes, and the basic setup is complete.





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