

How To Use the Interactive Cannon Spray Volume Charts

These charts are found under the Support Tab, Calibration

Jacto Cannon Sprayers are very easy to calibrate as they are designed with a flow control valve that is adjustable from 0 to 4.5. With 0 being the lowest setting not off.

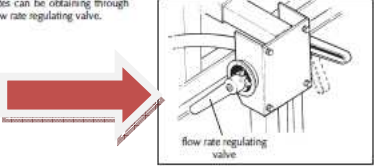
To access the flow control valve it is mounted on the front of the sprayer and has two levers on the valve. The lever to the right when facing is the on/off spray control and the lever on the left is the flow volume control lever. Please see your Owner's Manual for a full explanation.

To calibrate your sprayer you will need to know how many gallons per acre you want to apply. How wide of a spray swath you want to cover and your accurate tractor speed in mph.

J-400 Determining the spout flow rate

> Determining the spout flow rate

- Different flow rates can be obtained through the setting of the flow rate regulating valve.



> Procedure

- Choose an even ground and level both the sprayer and spout.
- Fill the tank and mark the water level.
- Set the flow rate regulating valve and run the tractor with 540 rpm at the PTO.
- Spray for one minute and again fill the tank up to the level previously marked and note the quantity of water sprayed.
- Repeat this operation several times and take the average.

ATTENTION!

TO INCREASE THE VOLUME:

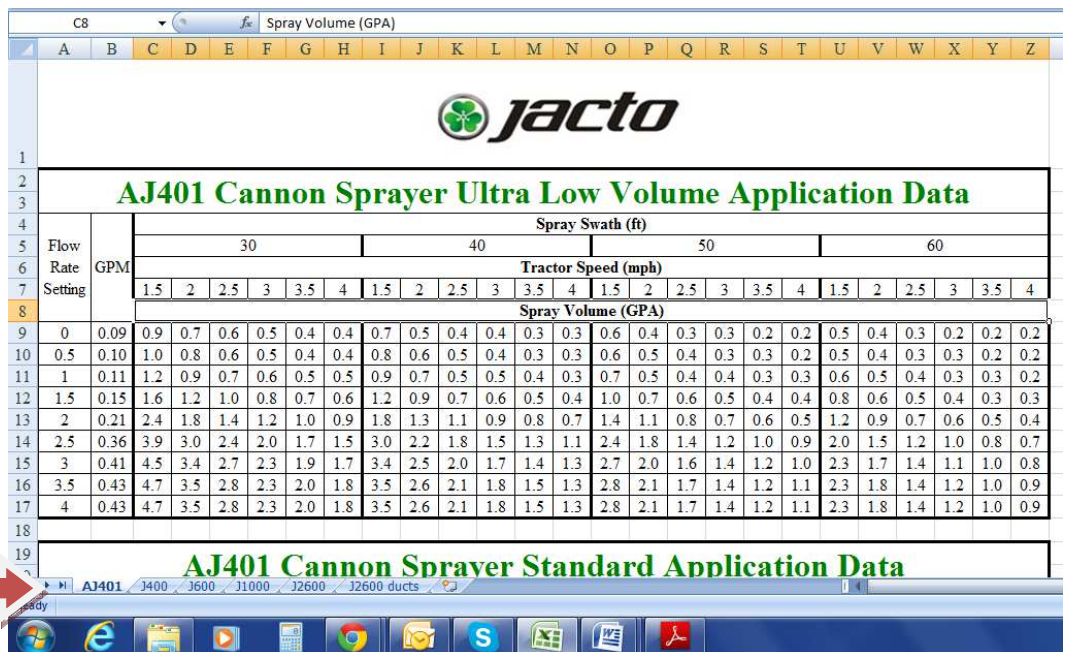
- Raise the setting of the flow regulating valve.
- Reduce the spray swath.
- Reduce the tractor speed (keep 540 rpm at the PTO).

TO DECREASE THE VOLUME:

- Reduce the setting of the flow regulating valve.
- Extend the spray swath.
- Increase the tractor speed (keep 540 rpm at the PTO).

Calibrate the sprayer so as to achieve the best results without causing damage to the environment.

Go to the Support Tab, Calibration, Interactive Cannon Spray Volume charts. When the right window opens it will look like this: Note at the very bottom a list of Model number tabs.



AJ401 Cannon Sprayer Ultra Low Volume Application Data

Flow Rate Setting	GPM	Spray Swath (ft)																							
		30				40				50				60											
		Tractor Speed (mph)																							
Spray Volume (GPA)																									
		1.5	2	2.5	3	3.5	4	1.5	2	2.5	3	3.5	4	1.5	2	2.5	3	3.5	4	1.5	2	2.5	3	3.5	4
0	0.09	0.9	0.7	0.6	0.5	0.4	0.4	0.7	0.5	0.4	0.4	0.3	0.3	0.6	0.4	0.3	0.3	0.2	0.2	0.5	0.4	0.3	0.2	0.2	0.2
0.5	0.10	1.0	0.8	0.6	0.5	0.4	0.4	0.8	0.6	0.5	0.4	0.3	0.3	0.6	0.5	0.4	0.3	0.3	0.2	0.5	0.4	0.3	0.3	0.2	0.2
1	0.11	1.2	0.9	0.7	0.6	0.5	0.5	0.9	0.7	0.5	0.5	0.4	0.3	0.7	0.5	0.4	0.4	0.3	0.3	0.6	0.5	0.4	0.3	0.3	0.2
1.5	0.15	1.6	1.2	1.0	0.8	0.7	0.6	1.2	0.9	0.7	0.6	0.5	0.4	1.0	0.7	0.6	0.5	0.4	0.4	0.8	0.6	0.5	0.4	0.3	0.3
2	0.21	2.4	1.8	1.4	1.2	1.0	0.9	1.8	1.3	1.1	0.9	0.8	0.7	1.4	1.1	0.8	0.7	0.6	0.5	1.2	0.9	0.7	0.6	0.5	0.4
2.5	0.36	3.9	3.0	2.4	2.0	1.7	1.5	3.0	2.2	1.8	1.5	1.3	1.1	2.4	1.8	1.4	1.2	1.0	0.9	2.0	1.5	1.2	1.0	0.8	0.7
3	0.41	4.5	3.4	2.7	2.3	1.9	1.7	3.4	2.5	2.0	1.7	1.4	1.3	2.7	2.0	1.6	1.4	1.2	1.0	2.3	1.7	1.4	1.1	1.0	0.8
3.5	0.43	4.7	3.5	2.8	2.3	2.0	1.8	3.5	2.6	2.1	1.8	1.5	1.3	2.8	2.1	1.7	1.4	1.2	1.1	2.3	1.8	1.4	1.2	1.0	0.9
4	0.43	4.7	3.5	2.8	2.3	2.0	1.8	3.5	2.6	2.1	1.8	1.5	1.3	2.8	2.1	1.7	1.4	1.2	1.1	2.3	1.8	1.4	1.2	1.0	0.9

AJ401 Cannon Sprayer Standard Application Data

Model number tabs: AJ401, J400, J600, J1000, J2600, J2600 ducts

To get started click on the tab for the model of your sprayer and it will open charts specifically for that model. For our example we have a J400 Sprayer and will work with that chart. Click on the J400 Tab and your screen should look like this;

		Spray Swath (ft)																							
		40					50					65					75								
Flow Rate Setting	GPM	Tractor Speed (mph)																							
		1.5	2	2.5	3	3.5	4	1.5	2	2.5	3	3.5	4	1.5	2	2.5	3	3.5	4	1.5	2	2.5	3	3.5	4
		Spray Volume (GPA)																							
0	2.91	24.0	18.0	14.4	12.0	10.3	9.0	19.2	14.4	11.5	9.6	8.2	7.2	14.8	11.1	8.9	7.4	6.3	5.5	12.8	9.6	7.7	6.4	5.5	4.8
0.5	3.04	25.1	18.8	15.0	12.5	10.7	9.4	20.1	15.0	12.0	10.0	8.6	7.5	15.4	11.6	9.3	7.7	6.6	5.8	13.4	10.0	8.0	6.7	5.7	5.0
1	3.30	27.2	20.4	16.3	13.6	11.7	10.2	21.8	16.3	13.1	10.9	9.3	8.2	16.8	12.6	10.1	8.4	7.2	6.3	14.5	10.9	8.7	7.3	6.2	5.4
1.5	3.96	32.7	24.5	19.6	16.3	14.0	12.3	26.1	19.6	15.7	13.1	11.2	9.8	20.1	15.1	12.1	10.1	8.6	7.5	17.4	13.1	10.5	8.7	7.5	6.5
2	5.55	45.8	34.3	27.5	22.9	19.6	17.2	36.6	27.5	22.0	18.3	15.7	13.7	28.2	21.1	16.9	14.1	12.1	10.6	24.4	18.3	14.7	12.2	10.5	9.2
2.5	6.60	54.5	40.8	32.7	27.2	23.3	20.4	43.6	32.7	26.1	21.8	18.7	16.3	33.5	25.1	20.1	16.8	14.4	12.6	29.0	21.8	17.4	14.5	12.4	10.9

This chart is interactive and can be customized for your individual applications. The fields you can change are any of the spray swath amounts in line 5 and any of the tractor speeds in line 7. You can enter your actual information and the chart will recalculate the spray volume for each flow rate setting in column A.

For our example we have a strawberry grower who wants to spray beds over a 45 foot wide swath one way. He wants to apply 25GPA and his second gear has an actual speed of 2.45MPH and his 3rd gear has a speed of 3.25 MPH. As you can see our chart does not reflect our actual needs.

So we will enter 45 in place of a 40 foot swath and 2.45 in place of 2.5 MPH and 3.25 in place of 3MPH and here is what our chart now looks like this;

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
4			Spray Swath (ft)																								
5			45					50					65					75									
6		Flow Rate Setting	Tractor Speed (mph)																								
7		GPM	1.5	2	2.45	3.25	3.5	4	1.5	2	2.5	3	3.5	4	1.5	2	2.5	3	3.5	4	1.5	2	2.5	3	3.5	4	
8			Spray Volume (GPA)																								
9	0	2.91	21.3	16.0	13.1	9.8	9.1	8.0	19.2	14.4	11.5	9.6	8.2	7.2	14.8	11.1	8.9	7.4	6.3	5.5	12.8	9.6	7.7	6.4	5.5	4.8	
10	0.5	3.04	22.3	16.7	13.6	10.3	9.6	8.4	20.1	15.0	12.0	10.0	8.6	7.5	15.4	11.6	9.3	7.7	6.6	5.8	13.4	10.0	8.0	6.7	5.7	5.0	
11	1	3.30	24.2	18.2	14.8	11.2	10.4	9.1	21.8	16.3	13.1	10.9	9.3	8.2	16.8	12.6	10.1	8.4	7.2	6.3	14.5	10.9	8.7	7.3	6.2	5.4	
12	1.5	3.96	29.0	21.8	17.8	13.4	12.4	10.9	26.1	19.6	15.7	13.1	11.2	9.8	20.1	15.1	12.1	10.1	8.6	7.5	17.4	13.1	10.5	8.7	7.5	6.5	
13	2	5.55	40.7	30.5	24.9	18.8	17.4	15.3	36.6	27.5	22.0	18.3	15.7	13.7	28.2	21.1	16.9	14.1	12.1	10.6	24.4	18.3	14.7	12.2	10.5	9.2	
14	2.5	6.60	48.4	36.3	29.6	22.3	20.7	18.2	43.6	32.7	26.1	21.8	18.7	16.3	33.5	25.1	20.1	16.8	14.4	12.6	29.0	21.8	17.4	14.5	12.4	10.9	
15	3	7.40	54.3	40.7	33.2	25.0	23.3	20.4	48.8	36.6	29.3	24.4	20.9	18.3	37.6	28.2	22.5	18.8	16.1	14.1	32.6	24.4	19.5	16.3	14.0	12.2	
16	3.5	7.80	57.2	42.9	35.0	26.4	24.5	21.5	51.5	38.6	30.9	25.7	22.1	19.3	39.6	29.7	23.8	19.8	17.0	14.9	34.3	25.7	20.6	17.2	14.7	12.9	
17	4	8.20	60.1	45.1	36.8	27.8	25.8	22.6	54.1	40.6	32.5	27.1	23.2	20.3	41.6	31.2	25.0	20.8	17.8	15.6	36.1	27.1	21.6	18.0	15.5	13.5	

For our application we want to apply 25GPA. As you look at our first table you can see we have two options... we could set our flow rate lever at 2.0 at 2.45MPH and we would apply 24.9GPA or if our conditions and terrain allow we could set our flow rate lever at 3.0 at 3.25MPH and apply 25GPA.

You have now calibrated your J400 sprayer for this application. If this is an application that will repeat you can print off this chart and save it for your records.

To calibrate for a different crop and application rate just enter the data in the fields as before and watch the spreadsheet update itself. Once you have the information you need, again print off and save for future reference.