



Calibrating Your Steel Green Spreader/Sprayer

SPREADER/SPRAYER CALIBRATION

Mixing of liquid or dry product should be in accordance to manufacturer's labels. This machine is designed for low volume spraying, and the mix will be more concentrated.

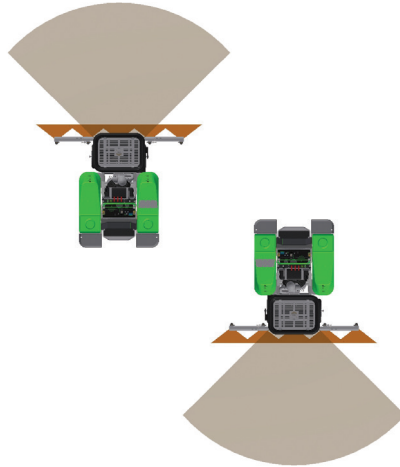
This machine is factory set to put down 1/3 gallon of liquid per 1,000 sq ft (at 5 MPH and 40 PSI). For instance, some products call for 1.1 to 1.5 oz per 1,000 sq ft. It is recommended to use 1.3 oz of product per 1,000 sq ft (median value of 1.1 to 1.5). With a 1/3 gallon tip, you will need to multiply the amount of product by 3, then multiply that amount by the number of gallons you put in your tank.

If you were filling a 30 gallon tank, your equation would look like: $1.3 \times 3 \times 30 = 117$ ounces in 30 gallons of water.

Approximate Granular Calibration

Product	Lbs. per 1,000 sq ft	Full Rate
Fine Pellets	1	4.75
	2	5.25
	3	5.5
Mixed Fine Pellets	2	5.0
	4	6.0
	6	6.5
Small Pellets	2	4.25
	4	5.5
	6	5.75
Nitrogen Pellets Med.	1	4.75
	2	5.5
	3	6.0
Med. Pellets & Granules	2	4.75
	4	5.5
	6	6.0
Large Heavy Pellets	2	5
	4	6.25
	6	7.25

Throw fertilizer to center of tire tracks



Approximate rates are listed at 5 mph ground speed and 16 foot spread width.

ACCUWAY

Accuway balances the spread pattern by shifting the product placement on the spinner. Placing the product on the impeller close to the shaft or the center will cause the spread pattern to be heavier to the right as it rides the impeller for a longer period. If the product is placed on the outer edge of the impeller, the spread pattern will be heavier to the left as the spinner turns clockwise.

- 1) Start with the Accuway control cable all the way forward or in.
- 2) Begin to spread the product. As you are spreading, you should be able to see the spread pattern in front of you. Generally, all spreaders will tend to throw fertilizer heavy to the right. As you continue to spread, pull the Accuway control towards you very slowly in small increments. This will bring the spread pattern dead center in front of you.
- 3) Once you have the spread pattern "dead center," lock the Accuway cable in place. There should be no reason to reset the Accuway for that product unless you see the spread pattern has changed due to bumping the lever. If it has changed slightly, simply readjust the pattern as you are spreading.

NOZZLE	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ/MIN	20" SPACING				
					GPA		GALLONS PER 1000 SQ FT		
					4 MPH	5 MPH	3 MPH	4 MPH	5 MPH
AVI-11015 (100)	30	C	0.13	17	9.7	7.7	0.29	0.22	0.18
	40	C	0.15	19	11.1	8.9	0.34	0.26	0.20
	50	C	0.17	22	12.6	10.1	0.39	0.29	0.23
	60	M	0.18	23	13.4	10.7	0.41	0.31	0.24
AVI-11002 (50)	30	VC	0.17	22	12.6	10.1	0.39	0.29	0.23
	40	C	0.20	26	14.9	11.9	0.45	0.34	0.27
	50	C	0.22	28	16.3	13.1	0.50	0.37	0.30
	60	C	0.24	31	17.8	14.3	0.54	0.41	0.33
AVI-1110025 (50)	30	XC	0.22	28	16.3	13.1	0.50	0.37	0.30
	40	VC	0.25	32	18.6	14.9	0.57	0.43	0.34
	50	C	0.28	36	21	16.6	0.63	0.48	0.38
	60	C	0.31	40	23	18.4	0.70	0.53	0.42
AVI-11003 (50)	30	XC	0.26	33	19.3	15.4	0.59	0.44	0.35
	40	VC	0.30	38	22	17.8	0.68	0.51	0.41
	50	C	0.34	44	25	20	0.77	0.58	0.46
AVI-11004 (50)	30	XC	0.35	45	26	21	0.79	0.60	0.48
	40	XC	0.40	51	30	24	0.91	0.68	0.54
	50	VC	0.45	58	33	27	1.0	0.77	0.61
AVI-11005 (50)	30	XC	0.43	55	32	26	0.97	0.73	0.58
	40	XC	0.50	64	37	30	1.1	0.85	0.68
	50	VC	0.56	72	42	33	1.3	0.95	0.76
AVI-11006 (50)	30	XC	0.52	67	39	31	1.2	0.88	0.71
	40	XC	0.60	77	45	36	1.4	1.0	0.82
	50	VC	0.67	86	50	40	1.5	1.1	0.91
HIGH VOLUME SPRAY CHART (XRC TIPS)									
XRC11010	15	VC	0.61	78	45	36	1.4	1.0	0.83
	20	C	0.71	91	53	42	1.6	1.2	0.97
	30	C	0.87	111	65	52	2.0	1.5	1.2
	40	M	1.00	128	74	59	2.3	1.7	1.4
XRC11015	15	VC	0.92	118	68	55	2.1	1.6	1.3
	20	VC	1.06	136	79	63	2.4	1.8	1.4
	30	VC	1.30	166	97	77	2.9	2.2	1.8
	40	C	1.50	192	111	89	3.4	2.6	2.0
XRC11020	15	XC	1.22	156	91	72	2.8	2.1	1.7
	20	XC	1.41	180	105	84	3.2	2.4	1.9
	30	VC	1.73	221	128	103	3.9	2.9	2.4
	40	VC	2.00	256	149	119	4.5	3.4	2.7

	6	8	10	12	14	16	18	20	22	24
8 mph	28.5	21.4	17.1	14.2	12.2	10.7	9.5	8.5	7.8	7.1
7.5 mph	30.3	22.7	18.2	15.2	13	11.4	10.1	9.1	8.3	7.6
7 mph	32.4	24.3	19.4	16.2	13.9	12.1	10.8	9.7	8.8	8.1
6.5 mph	35	26.2	21	17.5	15	13.1	11.7	10.5	9.5	8.7
6 mph	37.9	28.4	22.7	18.9	16.2	14.2	12.6	11.4	10.3	9.5
5.5 mph	41.4	31	24.8	20.7	17.7	15.5	13.8	12.4	11.3	10.3
5 mph	45.7	34.2	27.4	22.8	19.6	17.1	15.2	13.7	12.5	11.4
4.5 mph	50.5	37.9	30.3	25.3	21.6	18.9	16.8	15.2	13.8	12.6
4 mph	56.5	42.4	33.9	28.2	24.2	21.2	18.8	16.9	15.4	14.1
3.5 mph	65	48.7	39	32.5	27.8	24.4	21.7	19.5	17.7	16.2
3 mph	75.8	56.8	45.5	37.9	32.5	28.4	25.3	22.7	20.7	18.9

1,000 sq ft. ÷ 1/2 spread width ÷ speed in fps = calibration time

NOTE: To perform a granular calibration you will need a tape measure, bucket, and a scale. First you will need to weigh the empty bucket and zero your scale (or note the weight of the bucket to subtract from your later measurement). Next remove your spinner and place the bucket under the hopper. Place your white dial on setting number 5 (this is just a starting point). Using the above chart find the time you will need to open your hopper based on your desired speed and spread width. Next open your hopper for the appropriate amount of time and then weigh the bucket (remember to subtract the weight of the empty bucket). Adjust the dial knob up or down and repeat until you have your desired lbs. per 1 thousand square feet (example if you want 4lbs per 1k sqft you should have 4lbs of product in the bucket). Next stretch a tape measure out to your desired width on the ground in front of the machine and briefly open your hopper and adjust your spread width to match the width of your tape measure. Your hopper is now calibrated. When applying product be sure to throw back to the center of your tire tracks from your previous pass. If needed use the Accuway diffuser to adjust your pattern so that the heaviest amount of product is directly in front of the machine.

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