

Broadcast Setting Matrix

EV-N-SPRED® Calibration Techniques

How to ensure your spreader is properly calibrated

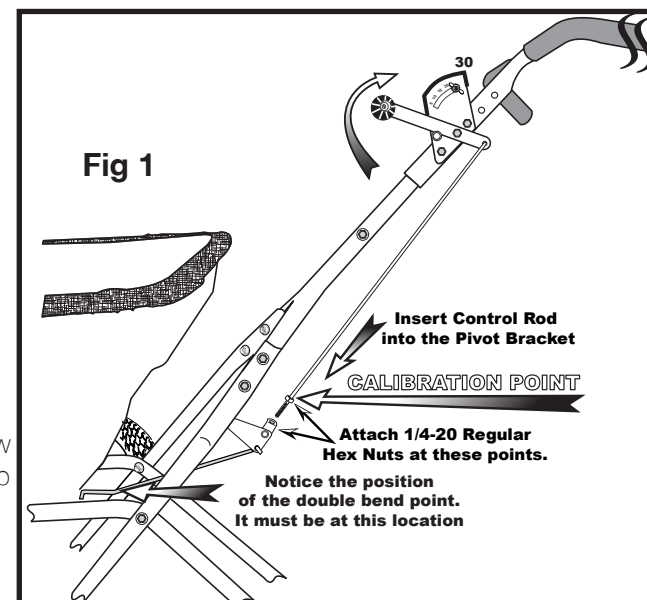
Make sure the drop holes in the bottom of the hopper are fully open when the Rate Control handle is on #30. If not, please adjust control cable or control rod to allow for a full open hopper position at #30.

Rod Type Adjustment

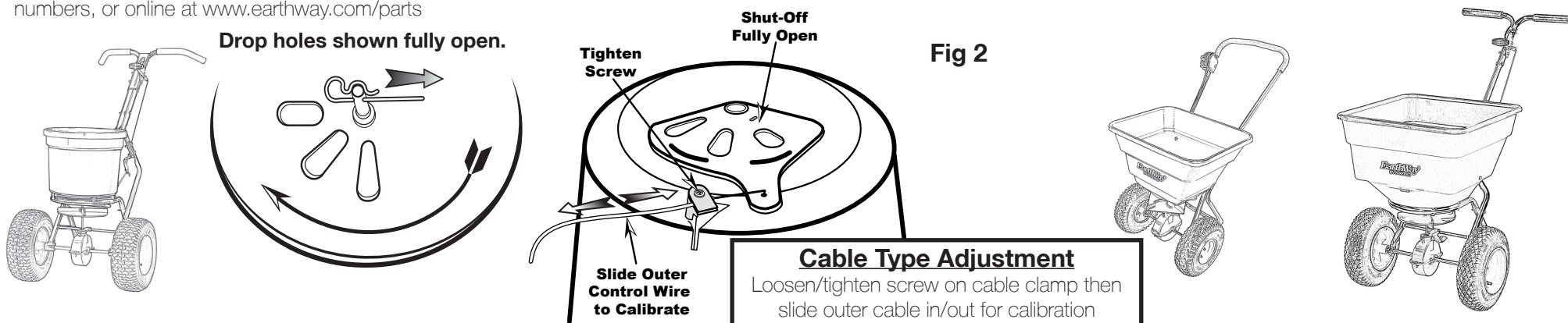
1. Open the shut-off so that the drop holes are completely open as illustrated to the right.
2. Review the Control Lever position - if it is set so that the forward edge is at #30, you are calibrated. If not, you need to adjust the control rod at the pivot bracket shown in Fig 1.
 - A. If your shut-off is not able to open fully as in step #1. Loosen the top nut a few turns, then loosen the lower nut so that it allows you to push the shut-off open fully. Next tighten each nut so that they contact the pivot bracket without moving it, and then carefully tighten each nut fully so they do not loosen during use. Recheck adjustment as outlined in #1 above.
 - B. If your shut-off is able to open fully as in step #1, but the Control Lever is not at #30. Loosen the top nut a few turns, then loosen the lower nut so that it allows you to push the Control Lever to #30. Next tighten each nut so that they contact the pivot bracket without moving it. Carefully tighten each nut fully so they do not loosen during use. Recheck adjust as outlined in #1 above.

Cable Type Adjustment

1. Open the Control Lever so that the shut-off and drop holes are completely open as illustrated above right.
2. Review the Control Lever position so that the indicator is pointed to #30, if it is your calibration is correct. If not you need to adjust the control cable at the cable clamp on the underside of the hopper as shown in Fig 2.
 - A. If your shut-off is not able to open fully as in step #1. Loosen the cable clamp screw slightly so that you can slide the outer cable out so that the shut-off is fully open. Next tighten the cable clamp screw securely. Recheck adjustment as outlined in #1 above.
 - B. If your shut-off is able to open fully as in step #1, but the Control Lever is not at #30. Loosen the cable clamp screw slightly so that you can slide the outer cable in so that the Control Lever opens to #30. Next tighten the cable clamp screw securely. Recheck adjustment as outlined in #1 above.



If you have any questions regarding the operation or assembly of your spreader please call us at 800-294-0671 or 574-848-7491 Monday - Friday 9:00am - 4:00pm Eastern. Accessories and Repair Parts are also available at these numbers, or online at www.earthway.com/parts



ESTABLISHING A SETTING RATE

Step 1: Use **Chart 1** to estimate the number of LBS/1,000 square feet of coverage
(Example: 20 LB. bag with 10,000 square foot coverage = 2.0 LBS/1,000 square feet)

Step 2: Find the closest LBS/1,000 square feet in **Chart 2** that you estimated using **Chart 1** (Example: 2.0 LBS/1,000 square feet = Spreader Setting of 13)

Step 3: Determine the Spread Width by evaluating the particle or seed size in **Chart 3** to determine the Spread Width between Spread Paths

METRIC RATE SETTING




Determining a Setting Rate



Use chart below to determine the **Setting Rate** based on **Grams/Square Meter** of coverage as directed on the bag.

All spread widths are determined by particle size and weight.

CHART 1		BAG COVERAGE IN SQUARE FEET		
		5,000	10,000	15,000
		LBS/1,000 SQ FT		
BAG WEIGHT	5 LBS.	1.0	0.5	0.3
	10 LBS.	2.0	1.0	0.7
	15 LBS.	3.0	1.5	1.0
	18 LBS.	3.6	1.8	1.2
	20 LBS.	4.0	2.0	1.3
	25 LBS.	5.0	2.5	1.7
	30 LBS.	6.0	3.0	2.0
	35 LBS.	7.0	3.5	2.3
	40 LBS.	8.0	4.0	2.7
	45 LBS.	9.0	4.5	3.0
50 LBS.	10.0	5.0	3.3	

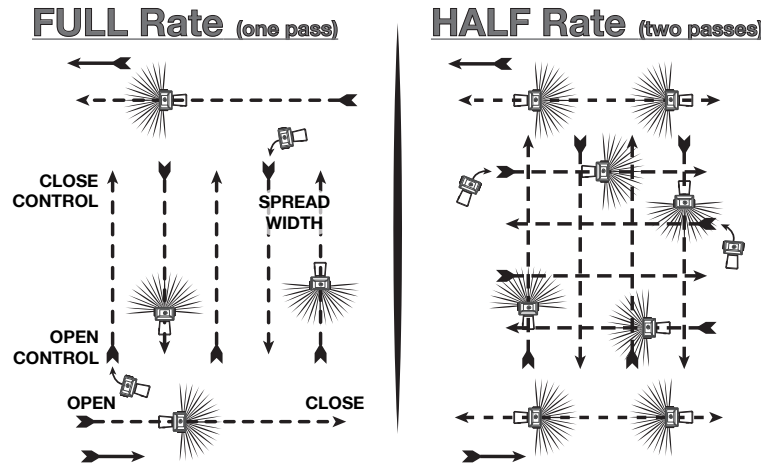
CHART 2		
GRAMS/SQ METER	LBS./1,000 SQ FT	SPREADER SETTING
5 Grams	1.0 LBS.	11
10 Grams	2.0 LBS.	13
15 Grams	3.0 LBS.	14
20 Grams	4.0 LBS.	16
25 Grams	5.0 LBS.	17
30 Grams	6.0 LBS.	18
35 Grams	7.0 LBS.	19
40 Grams	8.0 LBS.	20
45 Grams	9.0 LBS.	22
50 Grams	10.0 LBS.	23

CHART 3			
SPREAD WIDTHS FOR DIFFERENT PARTICLE SIZES			
Particle Size	English	Metric	
 Small/Fine (Sand)	5-7ft.	1.5-2.1m	
 Medium (Half BB)	7-9ft.	2.1-2.7m	
 Large (Full BB)	9-12ft.	2.7-3.7m	

SPREAD WIDTH FOR DIFFERENT SIZE GRASS SEED			
Seed Size	English	Metric	
Fine 	5-7ft.	1.5-2.1m	
Coarse 	7-10ft.	2.1-3.1m	



SPREAD PATH



Maintain a consistent walking speed of 2-3mph or the application rate will change.

The settings furnished on the Rate Setting Matrix are intended as a guide only. Variations in physical characteristics of material applied, walking speed, and roughness of ground surface may require slightly different spreader settings. Due to the above conditions, EPI makes no warranty as to the uniformity of coverage actually obtained from the settings listed.