

Spread Pattern Testing

These Simple Start Settings are only a suggested start point. Spread pattern testing is required to ensure proper application of material. Testing should be repeated at the beginning of every season, or any time repair work is performed on any component affecting spread patterns. The spreader operator is responsible for correctly setting and adjusting the spreader. New Leader Manufacturing does not accept liability for damages resulting from spreading errors caused by incorrect settings or use.

Material	Density	Ground Speed (mph)	SIMPLE START SETTINGS			
			Rate (lbs)	Feedgate (in)	Spinner Frame Setting	Spinner RPM
Lime	90	11*	1000-5000	6	.5"	600
			2000-8000	12	.5"	600
Urea	46	18	110	2.5	4	800
			225	2.5	3.5	800
			450	2.5	2.5	800
Corn Blend	53	18	125	2.5	3.5"	800
			250	2.5	2.5"	800
			500	2.5	0.7	800
All other fertilizer types and blends	64	18	150	2.5	3.5"	800
			300	2.5	2.5"	800
			600	2.5	1.2	800

* 15 mph when using high performance (HP) hydraulics.

G4 VRT Spreading: Please contact your dealer for details.

Swath Width: Spread pattern testing is required on all materials to determine spread width.

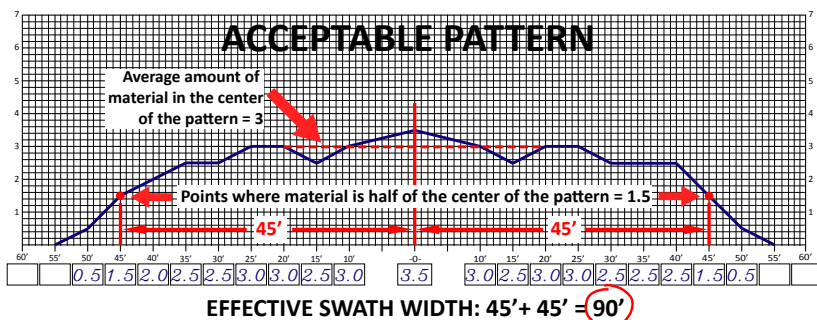
NOTE: Product quality will affect spread pattern and product performance.

Acceptable Pattern

Once an acceptable pattern is obtained, driving centers can be determined. To determine optimum driving centers (effective swath width), determine the average amount of material in the center of the pattern. Based on the example, the average amount of material in the center of the pattern is 3.0, as indicated with the red dotted line.

Next, locate the points on both the left and right side of the pattern where the amount of material is half the average amount at the center of the pattern. In the example shown, these points are located 45' to the left of center, and 45' to the right of center. The distance between these two points (90') represents the driving centers to use.

Once the effective swath width has been established, a change in the controller may be required.



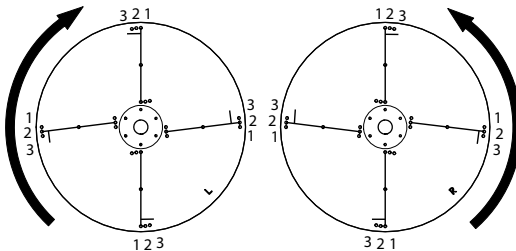
Once optimum driving centers (effective swath width) have been established, conduct a final "S" pass over the trays to verify. Refer to manual for more information.

Troubleshooting Spread Patterns		
Heavy directly behind the vehicle		<ol style="list-style-type: none"> 1. Move the spinner forward (toward the conveyor).
Light directly behind the vehicle		<ol style="list-style-type: none"> 1. Move the spinner rearward (away from conveyor).
Light outside vehicle's tire tracks		<ol style="list-style-type: none"> 1. Check spinner fins for material buildup, rust or paint. 2. Increase spinner RPM. 3. Move spinner fins to 2 - 3 - 2 - 3 positions. See Figure below.
Pattern off center		<ol style="list-style-type: none"> 1. Check to see feedgate is level and free of caked material. 2. Make sure hillside divider spinner assembly and material divider are mounted squarely and centered. 3. Testing should be done parallel to wind.

IMPORTANT!

Make only one adjustment to the spreader between test runs.

Spinner Fin Adjustments



Spinner fins are adjustable to radial angle as shown.

- Fin locations shown for 30" conveyors.

Refer to manual for more information.

