

Bulk Material Spreader (BMS) Rate Charts:

Use the following chart for initial spreader settings:

540 RPM power takeoff:

30 inch chain 40 ft spread 540 PTO 100 lb/cf material												
Gate Height	LOW RANGE			speed (mph)	HIGH RANGE			speed (mph)	LOW/LOW RANGE			
	5	7.5	10		5	7.5	10		5	7.5	10	
12	8592	5728	4296		15752	10501	7876		5012	3341	2506	
11	7876	5251	3938		14439	9626	7219		4594	3063	2297	
10	7160	4773	3580		13126	8751	6563		4177	2784	2088	
9	6444	4296	3222		11814	7876	5907		3759	2506	1879	
8	5728	3819	2864		10501	7001	5251		3341	2228	1671	
7	5012	3341	2506		9188	6126	4594		2924	1949	1462	
6	4296	2864	2148		7876	5251	3938		2506	1671	1253	
5	3580	2387	1790		6563	4375	3282		2088	1392	1044	
4	2864	1909	1432		5251	3500	2625		1671	1114	835	
3	2148	1432	1074		3938	2625	1969		1253	835	626	
2	1432	955	716		2625	1750	1313		835	557	418	
1	716	477	358		1313	875	656		418	278	209	
65 lb/cf material												
12	5585	3723	2792		10239	6826	5119		3258	2172	1629	
11	5119	3413	2560		9385	6257	4693		2986	1991	1493	
10	4654	3103	2327		8532	5688	4266		2715	1810	1357	
9	4188	2792	2094		7679	5119	3839		2443	1629	1222	
8	3723	2482	1862		6826	4550	3413		2172	1448	1086	
7	3258	2172	1629		5972	3982	2986		1900	1267	950	
6	2792	1862	1396		5119	3413	2560		1629	1086	814	
5	2327	1551	1163		4266	2844	2133		1357	905	679	
4	1862	1241	931		3413	2275	1706		1086	724	543	
3	1396	931	698		2560	1706	1280		814	543	407	
2	931	621	465		1706	1138	853		543	362	271	
1	465	310	233		853	569	427		271	181	136	
50 lb/cf material												
12	4296	2864	2148		7876	5251	3938		2506	1671	1253	
11	3938	2625	1969		7219	4813	3610		2297	1531	1149	
10	3580	2387	1790		6563	4375	3282		2088	1392	1044	
9	3222	2148	1611		5907	3938	2953		1879	1253	940	
8	2864	1909	1432		5251	3500	2625		1671	1114	835	
7	2506	1671	1253		4594	3063	2297		1462	975	731	
6	2148	1432	1074		3938	2625	1969		1253	835	626	
5	1790	1193	895		3282	2188	1641		1044	696	522	
4	1432	955	716		2625	1750	1313		835	557	418	
3	1074	716	537		1969	1313	984		626	418	313	
2	716	477	358		1313	875	656		418	278	209	
1	358	239	179		656	438	328		209	139	104	

Rate chart is for initial settings only. Actual results will vary with material.

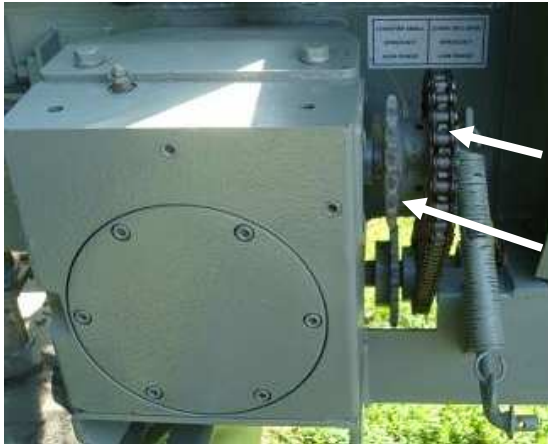
1000 RPM power takeoff:

30 inch chain 40 ft spread 1000 PTO											
Gate Height	100 lb/cf material LOW RANGE			speed (mph)	HIGH RANGE			speed (mph)	LOW/LOW RANGE		
	5	7.5	10		5	7.5	10		5	7.5	10
12	9281	6188	4641		15188	10125	7594		8121	5414	4061
11	8508	5672	4254		13922	9281	6961		7444	4963	3722
10	7734	5156	3867		12656	8438	6328		6768	4512	3384
9	6961	4641	3480		11391	7594	5695		6091	4061	3045
8	6188	4125	3094		10125	6750	5063		5414	3609	2707
7	5414	3609	2707		8859	5906	4430		4737	3158	2369
6	4641	3094	2320		7594	5063	3797		4061	2707	2030
5	3867	2578	1934		6328	4219	3164		3384	2256	1692
4	3094	2063	1547		5063	3375	2531		2707	1805	1354
3	2320	1547	1160		3797	2531	1898		2030	1354	1015
2	1547	1031	773		2531	1688	1266		1354	902	677
1	773	516	387		1266	844	633		677	451	338
65 lb/cf material											
12	6033	4022	3016		9872	6581	4936		5279	3519	2639
11	5530	3687	2765		9049	6033	4525		4839	3226	2419
10	5027	3352	2514		8227	5484	4113		4399	2933	2199
9	4525	3016	2262		7404	4936	3702		3959	2639	1980
8	4022	2681	2011		6581	4388	3291		3519	2346	1760
7	3519	2346	1760		5759	3839	2879		3079	2053	1540
6	3016	2011	1508		4936	3291	2468		2639	1760	1320
5	2514	1676	1257		4113	2742	2057		2199	1466	1100
4	2011	1341	1005		3291	2194	1645		1760	1173	880
3	1508	1005	754		2468	1645	1234		1320	880	660
2	1005	670	503		1645	1097	823		880	587	440
1	503	335	251		823	548	411		440	293	220
50 lb/cf material											
12	4641	3094	2320		7594	5063	3797		4061	2707	2030
11	4254	2836	2127		6961	4641	3480		3722	2481	1861
10	3867	2578	1934		6328	4219	3164		3384	2256	1692
9	3480	2320	1740		5695	3797	2848		3045	2030	1523
8	3094	2063	1547		5063	3375	2531		2707	1805	1354
7	2707	1805	1354		4430	2953	2215		2369	1579	1184
6	2320	1547	1160		3797	2531	1898		2030	1354	1015
5	1934	1289	967		3164	2109	1582		1692	1128	846
4	1547	1031	773		2531	1688	1266		1354	902	677
3	1160	773	580		1898	1266	949		1015	677	508
2	773	516	387		1266	844	633		677	451	338
1	387	258	193		633	422	316		338	226	169

Rate chart is for initial settings only. Actual results will vary with material.

Changing Gear Ranges:

Gear ranges are selected by moving the roller chain between the different sets of sprockets.



Low Range: Small sprocket on driveline to large sprocket on gearbox input.

High Range: Large sprocket on driveline to small sprocket on gearbox input.

Driveline Gearbox on right side of spreader

For BMS spreaders with the optional Low Rate (fertilizer) Kit:



Low & High Range: Chain goes on inside set of sprockets. Choose range at driveline gearbox as shown above.

Low/Low Range: Chain goes on outside set of sprockets plus select Low Range at driveline gearbox as shown above.

Low Rate Kit on left side of spreader