

Granular FERTILIZER GUIDE

CALIBRATING YOUR GRANULAR SPREADER

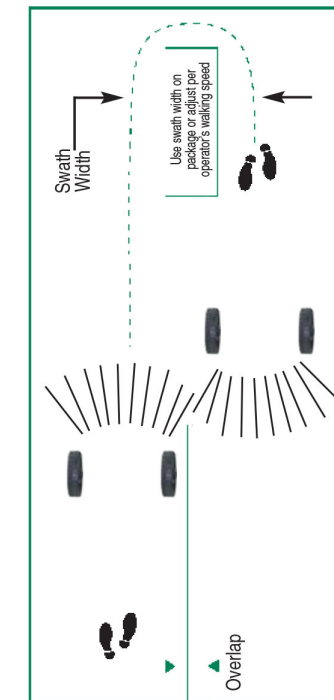
- To determine the rate of fertilizer per 1,000 sq ft based on nitrogen needs divide the pounds of nitrogen you need by the percent of nitrogen in the formulation to get the lbs of fertilizer you will need per 1,000 sq ft. (Also, see *nutrient application chart on the right*) Example: 25-2-4 fertilizer, need 0.80 lb nitrogen per thousand 0.8 lbs nitrogen required / 0.25 % nitrogen in fertilizer = 3.2 pounds 25-3-4 per 1,000 sq ft. or **___ lbs N / ___ % N = ___ lbs per 1,000 fertilizing material to apply**
- You will need an open area at least 50 feet long, a bucket, calculator, tape measure, scale, and fertilizer to be calibrated.
- Estimate the amount of fertilizer you will need for this test and place this in the spreader.
- Set the spreader at the setting suggested on the bag for your spreader (see *spreader settings chart below*). **THIS IS A SUGGESTED SETTING ONLY.** The condition, age, and model of your spreader will cause differences in the actual settings.
- Spread the material along the open area you have chosen. Walk at the pace you normally will during actual applications in yards. Many spreaders are dependent on walking speed along with spreader settings. Start your walk before your measured start point to ensure accurate calculations. (See *operation chart on the right*.)
- Weigh the amount of material left in the spreader.
- Measure the length and width of the area covered. Calculate this into square feet (length x width).
- Calculate the amount applied per 1,000 sq ft. Example: 4.0 lbs applied on 500 sq ft: 2.0 lbs x (1,000 sq ft / 500 sq ft) = 4.0 lbs applied per 1,000 sq ft or **___ lbs x (1,000 sq ft / ___ sq ft) = ___ lbs applied per 1,000 sq ft**
- Adjust the spreader settings to adjust your rate to spread less material and repeat the test process to spread 3.2 fertilizer per 1,000 sq ft (to apply 0.8 pounds nitrogen per 1,000 sq ft).
- Factors that affect spreader settings include walking speed, differences in granular size, moisture content of granulars, coatings, age and condition of spreader, amount of overlap and other similar conditions.

SPREADER SETTINGS

*SUGGESTED STARTING POINTS ONLY. MUST PROPERLY CALIBRATE SPREADER.

SPREADER:	SGN 200-215			SGN 140-155			SGN 95-110		
	POUNDS OF PRODUCT / 1000 SQ FT:			POUNDS OF PRODUCT / 1000 SQ FT:			POUNDS OF PRODUCT / 1000 SQ FT:		
	2#	4#	6#	2#	4#	6#	2#	4#	6#
CYCLONE	4	5	5 3/4	3	4 1/4	5	2	3	4 1/2
EARTHWAY ROTARY	14	16	20	12	15	16	10	12	15
EZEE-FLOW	C2	C3	A5	C1	C2 1/2	C3	A2	C1	C2 1/2
GANDY	24	28	32	22	25	28	20	22	26
LELY HR, 1250, 1500, 2010	4 II	6 II	7 II	3 II	5 II	6 II	2 II	3 II	5 II
LELY W	4 II	6 II	7 II	3 II	5 II	6 II	2 II	3 II	5 II
LESCO (LETTERS)	G	J	L	D	I	J	D	G	I
LESCO (NUMBERS)	10	17	24	10	16	21	14	16	17
PRIZELAWN CBR III	I	M	O	E	K	N	F	H	L
PRIZELAWN CBR II	4	5 1/2	6 1/2	2 1/2	4	5 1/2	1 1/2	2 1/2	4 1/2
PRIZELAWN LF-1	2 1/2	4	5	2	3	4	1	2	3 1/2
PRIZELAWN MPR I	2 1/2	4	5	2	3	4	1	4	6
REPUBLIC ROTARY	3	5 1/2	8	2	4	5 1/2	1	2	4 1/2
SCOTTS RX7	E	I	L	D	F	I	C	E	G
SCOTTS ACCUPRO 2000, SR-2000	H	M	P	F	I	M	E	G	K
SCOTTS R8A/SR-1	K	M	O	I	L	M	G	J	L
SCOTTS AP	K	M	O	I	K	M	G	J	L
SCOTTS SR2000	K	M	O	I	K	M	G	J	L
SPYKER	4	4 3/4	5 1/2	3	4 1/4	4 3/4	1	2	4 1/2
VICON	22	26	31	20	23	26	15	18	24

OPERATION



Nutrient Application Chart

AMOUNT OF FERTILIZER NEEDED PER 1,000 SQ FT TO SUPPLY VARIOUS RATES OF ACTUAL NUTRIENT

NUTRIENT	0.25	0.5	0.75	1	1.25	1.5	1.75	2
1.00%	25.00	50.00	75.00	100.00	125.00	150.00	175.00	200.00
2.00%	12.50	25.00	37.50	50.00	62.50	75.00	87.50	100.00
3.00%	8.33	16.67	25.00	33.33	41.67	50.00	58.33	66.67
4.00%	6.25	12.50	18.75	25.00	31.25	37.50	43.75	50.00
5.00%	5.00	10.00	15.00	20.00	25.00	30.00	35.00	40.00
6.00%	4.17	8.33	12.50	16.67	20.83	25.00	29.17	33.33
7.00%	3.57	7.14	10.71	14.29	17.86	21.43	25.00	28.57
8.00%	3.13	6.25	9.38	12.50	15.63	18.75	21.88	25.00
9.00%	2.78	5.56	8.33	11.11	13.89	16.67	19.44	22.22
10.00%	2.50	5.00	7.50	10.00	12.50	15.00	17.50	20.00
11.00%	2.27	4.55	6.82	9.09	11.36	13.64	15.91	18.18
12.00%	2.08	4.17	6.25	8.33	10.42	12.50	14.58	16.67
13.00%	1.92	3.85	5.77	7.69	9.62	11.54	13.46	15.38
14.00%	1.79	3.57	5.36	7.14	8.93	10.71	12.50	14.29
15.00%	1.67	3.33	5.00	6.67	8.33	10.00	11.67	13.33
16.00%	1.56	3.13	4.69	6.25	7.81	9.38	10.94	12.50
17.00%	1.47	2.94	4.41	5.88	7.35	8.83	10.29	11.76
18.00%	1.39	2.78	4.17	5.56	6.94	8.33	9.72	11.11
19.00%	1.32	2.63	3.95	5.26	6.58	7.89	9.21	10.53
20.00%	1.25	2.50	3.75	5.00	6.25	7.50	8.75	10.00
21.00%	1.19	2.38	3.57	4.76	5.95	7.14	8.33	9.52
22.00%	1.14	2.27	3.41	4.55	5.68	6.82	7.95	9.09
23.00%	1.09	2.17	3.26	4.35	5.43	6.52	7.61	8.70
24.00%	1.04	2.08	3.13	4.17	5.21	6.25	7.20	8.33
25.00%	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00
26.00%	0.96	1.92	2.88	3.85	4.81	5.77	6.73	7.69
27.00%	0.93	1.85	2.78	3.70	4.63	5.56	6.48	7.41
28.00%	0.89	1.79	2.68	3.57	4.46	5.36	6.25	7.14
29.00%	0.86	1.72	2.59	3.45	4.31	5.17	6.03	6.90
30.00%	0.83	1.67	2.50	3.33	4.17	5.00	5.83	6.67
31.00%	0.81	1.61	2.42	3.23	4.03	4.84	5.65	6.45
32.00%	0.78	1.56	2.34	3.13	3.91	4.69	5.47	6.25
33.00%	0.76	1.52	2.27	3.03	3.79	4.55	5.30	6.06
34.00%	0.74	1.47	2.21	2.94	3.68	4.41	5.15	5.88
35.00%	0.71	1.43	2.14	2.86	3.57	4.29	5.00	5.71
36.00%	0.69	1.39	2.08	2.78	3.47	4.17	4.86	5.56
37.00%	0.68	1.35	2.03	2.70	3.38	4.05	4.73	5.41
38.00%	0.66	1.32	1.97	2.63	3.29	3.95	4.61	5.26
39.00%	0.64	1.28	1.92	2.56	3.21	3.85	4.49	5.13
40.00%	0.63	1.25	1.88	2.50	3.13	3.75	4.38	5.00
41.00%	0.61	1.22	1.83	2.44	3.05	3.66	4.27	4.88
42.00%	0.60	1.19	1.79	2.38	2.98	3.57	4.17	4.76
43.00%	0.58	1.16	1.74	2.33	2.91	3.49	4.07	4.65
44.00%	0.57	1.14	1.70	2.27	2.84	3.41	3.98	4.55
45.00%	0.56	1.11	1.67	2.22	2.78	3.33	3.89	4.44
46.00%	0.54	1.09	1.63	2.17	2.72	3.26	3.80	4.35
47.00%	0.53	1.06	1.60	2.13	2.66	3.19	3.72	4.26
48.00%	0.52	1.04	1.56	2.08	2.60	3.13	3.65	4.17
49.00%	0.51	1.02	1.53	2.04	2.55	3.06	3.57	4.08
50.00%	0.50	1.00	1.50	2.00	2.50	3.00	3.50	4.00