

COMMERCIAL ORGANIC NUTRIENT RECOMMENDATIONS

Matching commercial recommendations with organic nutrient sources

Application rates are on a per acre basis. To obtain rates on a 1000 sq. ft. basis, divide by 40.

Organic Nitrogen (N) Sources

Pounds of Nitrogen needed per acre

20	40	60	80	100	Rate needed of these sources
150	310	460	620	770	Bloodmeal - 13 % N
220	440	670	890	1100	Fish meal - 9 % N (also contains 6 % phosphate)
330	650	1000	1300	1650	Crab meal - 6 % N(+ 6 % phosphate, 25 % lime)
285	575	850	1150	1400	Soybean meal - 7 % N (also 2 % phosphate)
800	1600	2400	3200	4000	Alfalfa meal - 2.5 % N (also contains 2 % potash)
200	400	600	800	1000	Feather meal - 15 % N (x 1.5)*

Organic Phosphate (P₂O₅) sources

Pounds phosphate needed per acre

20	40	60	80	100	Rate needed of these sources
130	270	400	530	670	Bonemeal - 15 % phosphate
270	530	800	1100	1300	Rock Phosphate - 30 % total phosphate(x 4)*
330	670	1000	1330	1670	Fish meal - 6 % phosphate (also contains 9 % N)

Organic Potash (K₂O) sources

Pounds of potash needed per acre

20	40	60	80	100	Rate needed of these sources
40	80	120	160	200	Sulfate of potash** – 50 % potash
90	180	270	360	450	Sul-Po-Mag - 22 % potash(also contains 11 % Mg)
400	800	1200	1600	2000	Wood ash (dry stove) - 5 % potash (90+ % lime)
1000	2000	3000	4000	5000	Alfalfa meal - 2 % potash (also contains 2.5 % N)

** Only natural sources are approved. Consult OMRI.org for eligible sources.

*Application rates for these nutrient sources are multiplied by the indicated factors to adjust for the slow to very slow release rates of these materials. The rates indicated are to correct a deficiency in the first growing season after application. For long-term adjustment or when this material has been applied in several sequential years, cut back on the suggested application rates.