

## 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 Sources

pounds of nitrogen needed per acre

20	40	60	80	100	rates needed of these sources
150	310	460	620	770	Bloodmeal - 13 % N
500	1,000	1,500	2,000	2,500	Cottonseed meal - 6 % N (x 1.25)*
220	440	670	890	1,100	Fish meal - 9 % N (also supplies phosphate)
800	1,600	2,400	3,200	4,000	Alfalfa meal - 2.5 % N (x 1.25)* (also supplies potash)

### Organic Phosphate sources

pounds of phosphate needed per acre

20	40	60	80	100	rates needed of these sources
130	270	400	530	670	Bonemeal - 15 % phosphate
270	530	800	1,100	1,300	Rock Phosphate - 30 % total phosphate (x 4)* (3 % available phosphate)
330	670	1,000	1,330	1,670	Fish meal - 6 % phosphate (also supplies nitrogen)

### Organic Potash sources

pounds of potash needed per acre

20	40	60	80	100	rates needed of these sources
90	180	270	360	450	Sul-Po-Mag - 22 % potash(also supplies Mg)
400	800	1,200	1,600	2,000	Wood ash (dry, fine, grey) - 5 % potash
1,000	2,000	3,000	4,000	5,000	Alfalfa meal - 2 % potash(also supplies nitrogen)
3,200	6,400	9,600	12,800	16,000	Greensand - 5 % potash (x 8)* or Granite dust

\* 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.