Estimated fertilizer rates to increase SME nutrient levels

Pounds/1,000 sq. ft needed to raise N approximately 10 ppm
- Blood meal 12-0-0: 4.2
- Soybean meal 7-1-2: 7.2
- Alfalfa meal 2.5-2-2: 20.2

Pounds/1,000 sq. ft needed to raise P approximately 2 ppm
- Bone char 0-16-0: 25
- Rock phosphate 0-3-0: 133

Pounds/1,000 sq. ft needed to raise K approximately 20 ppm
- Sul-Po-Mag 0-0-22-11Mg: 2.6
- Potassium sulfate 0-0-52: 1.1
- Alfalfa meal 2.5-2-2: 28.6

Pounds/1,000 sq. ft needed to raise Ca approximately 25 ppm
- Calcium sulfate (gypsum): 7.5
- Calcitic lime (low Mag): 7.5
- Dolomitic lime (hi Mag): 5.3

Adapted from Wittwer & Honma