CalPhos

Source:
Mined deposits of soft rock phosphate (Florida)

Analysis: 0-3-0-20Ca  • 20% total P2O5  • 3% available P2O5  • 20% Ca

Product Notes:
Spread with lime spreader or similar equipment

Uses:
• A good option to build long-term phosphorus reserves, particularly when manure or compost sources of P are limited or unavailable
• Not suited for soils already high in calcium

Application Rates:
• Typical soil tests (P1/Olsen) measure available P, but not total P reserves, and what can be made available via biological activity over the growing season; consider P2 analysis, crop monitoring/tissue sampling for a more complete assessment
• General recommendations based on experience:
  o 500lbs/ac for soils below 12ppm P1 phosphorus
  o 400lbs/ac for soils 12 to 15 ppm P1 phosphorus
  o 300lbs/ac for soils 15 to 18 ppm P1 phosphorus
• Relatively low percentage of available P makes this product impractical/uneconomical to apply to meet current crop requirements; needs to be part of a long-term soil-building plan

Comments:
• CalPhos is also recommended as an addition to manure (in the bedding or during the composting process) to help stabilize nitrogen; it also increases available phosphorus from the CalPhos
• Research indicates that it can take 4 to 8 weeks for phosphate rock to reach maximum solubility
• P availability from phosphate rock fertilizers is positively correlated with AMF and green manure incorporation