

Phosphorus is a finite resource. Let's make it renewable.



Phinite 3-12-0 Organic Fertilizer

Phinite 3-12-0 harnesses the power of nature to concentrate nutrients into an easy-to-apply, carbon-rich fertilizer that feeds and replenishes the soil. This renewable fertilizer is sourced from recycled manure digestate and is processed to ensure stable and slow-release plant available nutrients.

Recommended Use:

Phinite 3-12-0 may be used on certified organic crops, conventional crops, or on any area that needs plant nutrition or soil building properties. The product may be applied prior to planting, at planting, or during the season. This organic phosphorus source makes for an excellent starter fertilizer for quick row cover to minimize soil erosion and weed pressure. Finally, the high level of organic carbon makes an excellent soil builder for soils that need additional soil organic matter or nutrients.

Other uses include blending with conventional or other organic fertilizers, soil mix blending, application to turf and ornamental crops, and erosion control applications.

Benefits of Phinite 3-12-0

- An ideal source of phosphorus provides rapid start to crops
- Provides all primary, secondary, and micro-nutrients needed for crop growth
- High calcium level improves soil structure and crop quality
- Conditions the soil with up to 35% organic matter
- Can be applied in-furrow, direct with seed, low burn potential
- Carbon:Nitrogen ratio (8.5:1) ensures no nitrogen immobilization in the soil

Product Specifications

| Phinite 3-12-0 Guaranteed Analysis | |
|--|-------|
| Total Nitrogen (N) | 3% |
| 3% Water Insoluble Organic Nitrogen* | |
| Available Phosphate (P ₂ O ₅) | 12% |
| Calcium (Ca) | 7% |
| Magnesium (Mg) | 1.5% |
| Boron (B) | 0.03% |
| Copper (Cu) | 0.15% |
| Iron (Fe) | 0.5% |
| Manganese (Mn) | 0.05% |
| Zinc (Zn) | 0.1% |
| <i>Derived from manure digestate.</i> | |
| *3% Slowly available nitrogen derived from manure digestate. | |

| Parameter | Result |
|------------------------------|------------------------|
| pH | 8.5 |
| Electrical Conductivity | 2.4 mmhos/cm |
| Salt Index | 5 |
| Humic Acid | 4% |
| Organic Matter | 35% |
| Percent of N as slow release | 99.9% |
| C/N Ratio | 8.5 |
| Moisture | 20% |
| Bulk Density | 40 lb/ft ³ |
| Particle Size | 300 SGN (2-4 mm range) |

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Phinite 3-12-0 Finished Product



Application Instructions

Apply at 100-1,250 lb. per acre. Higher rates may be used for soil building needs. 83 lb. of product provides 10 lb/ac P₂O₅. Adjust fertilizer program for local crop and soil needs.

Broadcast Application Rates

| Rate (lb/ac) | N Applied (lb/ac) | P ₂ O ₅ Applied (lb/ac) | Ca Applied (lb/ac) | Zn Applied (lb/ac) |
|--------------|-------------------|---|--------------------|--------------------|
| 100 | 3 | 12 | 7 | 0.1 |
| 250 | 7.5 | 30 | 17.5 | 0.25 |
| 500 | 15 | 60 | 35 | 0.5 |
| 1,000 | 30 | 120 | 70 | 1 |

- 60 ft broadcast distance may be reliably achieved.
- At planting, apply direct in-furrow with the seed or banded 2x2 at rates of 100 lb. up to 250 lb. May be applied banded by a grain drill or air seeder.
- For fall application, post-harvest, broadcast and incorporate 1-2 inches into the soil for best results.
- For spring application pre-plant, broadcast apply. Lightly incorporate if possible.
- During cultivation, apply next to the row.
- Topdress or sidedress during the season at rates of 100-500 lb/ac

Opportunity

Product is available FOB the SE USA. FTL truck is the preferred transport mode. Production forecast below:

- 2023 – 2,000 tons
- 2024 – 13,000 tons
- 2025 – 50,000 tons
- 2026 – 100,000 tons

<https://www.phinite-us.com> V2.0