

TNT BONE ASH

What is TNT Bone Ash? Bone Ash is the ash remaining from the high-temperature (1200°C/2200°F) cremation of dead stock from the live-stock industry. While the ash comes from all of the animal, the larger pieces that are visible are from bone fragments, hence the name “Bone Ash”. Due to the high temperature, there remains no pharmaceuticals, pesticides, prions or animal matter in it. All that is left is a mineral ash, rich in calcium and phosphorus (primary components of bone), in a highly available form.

Why use Bone Ash, what are the benefits? About 65% of the phosphorus is immediately available, in conjunction with calcium (a much-needed nutrient). The bio-char fraction also helps hold onto those available nutrients and pre-vent them from leaching away and reacting (becoming unavailable). The fines in this product are surprisingly dense and drop out quick-ly, meaning you won't have a dust cloud behind your spreader.

Are there any limitations? Due to its high alkalinity and quick availability, Bone Ash should not be applied in-trench or in excess of the recommended rates.

What are the technical Specs?

0-47-0-35 (N-P-K-Ca) - Highly available source of calcium and phosphorus, with an added bonus of bio-char.

pH 11.3 - Highly alkaline, but because of its generally low application rate it has minimal impact on overall soil pH.

1/4" minus - Well suited to broadcast applications; very low dust/drift (also available micronized)

Approved for Organic Use - Derived from the livestock industry; 100% natural. Check with your local certifier before using.

Application rates

De-pending on your soil needs, up to 300 lbs/acre can be applied, but 100-200 lbs/acre are more typical. If you're used to rock phosphate, use 1/5th the amount of Bone Ash.



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TNT Bone Ash is a product of

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Control: no Bone Ash



One month after application

With Bone Ash



Application Rate: 50 lb per acre (micronized), blended with 200 lb per acre finished compost

Application date: March 3rd

Early Photos: April 10, greener and denser

Three months after application, prior to first cut



Prior to first cut photos: June 8, more mature, could cut earlier and get an extra cutting

Hay Field Trial - A hay field with a history of poor performance was determined to be very lacking in phosphorus (among other things). A trial to see the impact of the addition of a small amount of phosphorus (as Bone Ash) to the field was done. In this case, the micronized version was used in order to reduce the quality allied and increase the availability of the phosphorous. Because only 50 lbs per acre of micronized product was applied, about 200 lbs per acre of finished compost was used as a carrier to prevent dusting and allow for even application. The two components were blended together and broadcast on a test plot March 3. Can you find the glove in the picture taken on June 8th where the bone Ash was applied? Notice the advanced maturity of the grass where the Bone Ash was applied. This was ready to cut June 1st.



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