

Fermentative decomposition of organic matter for improved soil health and fertility



Bokashi is the Japanese word for “well fermented organic matter”. Bokashi is the most energy efficient way of breaking down organic matter. The fermentative decomposition creates a nutrient dense end product that can be used as a soil improver.

Effective Microorganisms (EM®) added to the organic matter work by way of competitive exclusion to create an environment in which fermentative anaerobes can dominate. This dominance leads to the break down of complex organic substances into simpler soluble organic acids creating a pre-digested food for the soil.

The microbes also produce bio-active substances, like enzymes, vitamins, antimicrobials and phytonutrients which favours the development of plants and helps prevent diseases.



Benefits

Agriton | Bokashi

- **No harmful emissions**
- **Ready to use in 8 weeks**
- **Retains all nutrients**
- **Pre-digested food for the soil**
- **Increase soil Organic Matter**

Fermentative decomposition not only breaks down the woody and fibrous materials in as little as 8 weeks, it does so while retaining all available nutrients. Nutrients that would normally be released into the atmosphere as harmful emissions during traditional aerobic composting.

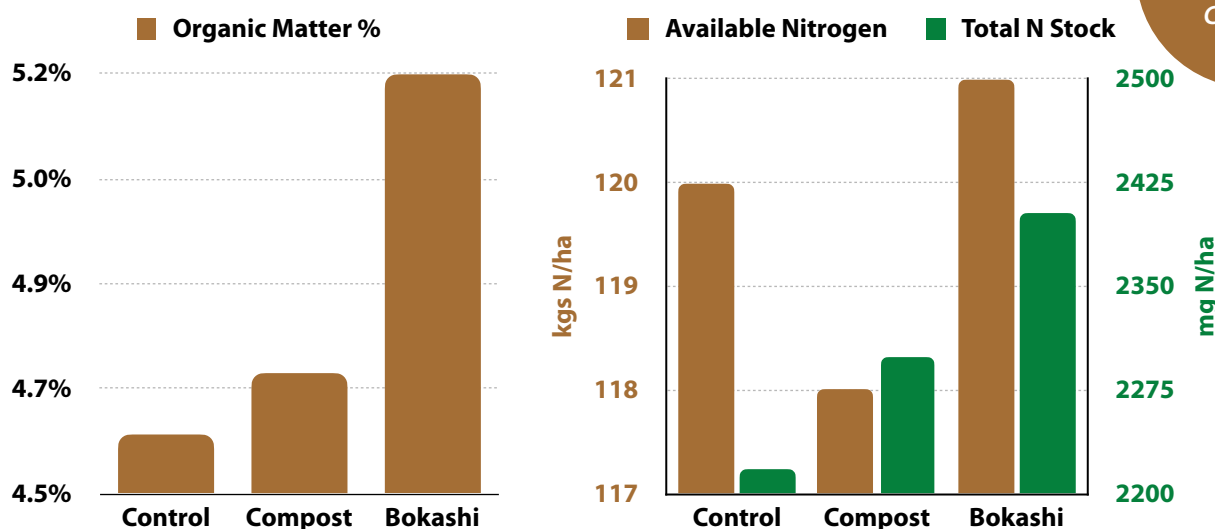




"Since making Bokashi we have seen a real improvement in our soils health and fertility. We have also noticed an improvement in the veg grown. The veg looks and tastes better!"

*Trenance Farm
Veg Boxes,
Cornwall*

Soil sample results after three year trial



	Starting material	Traditional Compost	Bokashi Compost
Kg product	13,400	5,070	13,870
Dry Matter	2,706.8	1,384.1	3,079.1
Organic Matter	2,130.6	1,384.1	2,080.5
Carbon Total	1,072.0	441.1	1,040.3
Nitrogen Total	48.2	43.6	52.7
Nitrogen Mineral	6.7	1.5	2.8
Nitrogen Organic	41.5	42.1	49.9
C/N Ratio	22:1	10:1	19:5
pH	7.3	7.9	7.1
MJ Energy	215.9	67.9	193.9

Bokashi making guidelines:

1m³ Organic Matter

C:N ration of 15-25:1

Moisture content of 35-65%

2L Actiferm

10kgs Aegir

10kgs Edasil

*Mix or layer amendments through the heap
then seal air tight for minimum of 6 weeks*



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Agriton, working together for a sustainable future