

Feedstock refers to organic material used when composting. Feedstock consists of a variety of materials such as food scraps, yard waste, and agricultural residues. Each type of feedstock contributes different nutrients to the compost, affecting the nutrient content and overall quality. **Soil health will benefit and plant growth will improve when feedstock is optimized.**

Food waste is an excellent feedstock for composting as it contains a wealth of organic materials that will yield nutrient-rich compost. In addition to organic material input, **users MUST consider the carbon:nitrogen ratio of the feedstock.** This ratio depends on the chemical composition of the organic material used.

Research suggests 25-30 parts carbon to 1 part nitrogen will yield an ideal compost product. However, this ratio can range from 15:1 to 70:1. To generate the highest quality compost using the BioSpeed technology, **we recommend the feedstock consists of 60%-80% diversified food waste and 20%-40% carbon rich organic material.** As stated, carbon:nitrogen ratios vary between materials and an intentional mix of diversified food waste and carbon rich organic material will help to achieve an ideal compost ratio.

Diversified Food Waste | 60-80%
Carbon:Nitrogen Ratio Range 10:1-20:1

Examples

- ⇒ Cooked and raw vegetables
- ⇒ Fruits
- ⇒ Flour, grains and sugar
- ⇒ Rice and pasta
- ⇒ Bread and cake residues
- ⇒ Egg and eggshells
- ⇒ Table scraps without packaging
- ⇒ Coffee grounds and tea bags
- ⇒ Fish, shellfish, and meat residues
- ⇒ Small fish and meat bones
- ⇒ Moldy or spoiled food waste
- ⇒ Dairy products (in moderation)

Carbon Rich Organic Material | 20-40%
Carbon:Nitrogen Ratio Range 50:1-200:1

Examples

- ⇒ Fiber-based compostable material
 - Bamboo & wood cutlery
 - Napkins & paper towels
 - Paper cups
 - Egg cartons
- ⇒ Cardboard
- ⇒ PLAs (in moderation, study attached*)
- ⇒ Wood chips
- ⇒ Brown landscaping material
 - Small sticks
 - Dried Leaves
 - Dried Grass
 - Straw
 - Pine needles

Materials NOT accepted by the BioSpeed

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|-----------------|-------------------------------------|---|
| ● Grease | ● Large bones | ● Metal cutlery (forks, spoons, knives) |
| ● Aluminum cans | ● Sticks (unless previously ground) | ● Ash |
| ● Foil | ● Tape | ● Tobacco products |
| ● Plastic bags | ● Glue | ● Diapers |
| ● Rubber gloves | ● Ink | ● Cat litter |
| ● Dust bags | | |

****If you are uncertain whether a specific material can be processed in the BioSpeed, reach out to your assigned customer service representative. ****

Disclaimer: BioCoTech Americas Inc. cannot guarantee the quality or applicability of the final product.