Table B-11. Status for Organic Production, Mineral Nutrient Value, and Relative Availability of Various Materials Check with your certifying agency before using any of the listed materials, as the status for organic production may have changed.

Material ^a	Status for Organic Production ^b	Percent Nutrients ^c			Relative
		N	P_2O_5	K ₂ O	Availability
Animal Tankage (dry)	Allowed	7	10	0.5	Medium
Bone Meal (raw)	Allowed	2 to 6	15 to 27	0	Slow
Bone Meal (steamed)	Allowed	0.7 to 4.0	18 to 34	0	Slow Medium
Cocoa Shell Meal	Allowed	2.5	1.0	2.5	Slow
Compost (not fortified)	Allowedd	1.5 to 3.5	0.5 to 1.0	1.0 to 2.0	Slow
Cottonseed Meal (dry)	Allowede	6	2.5	1.7	Slow Medium
Dried Blood (dry)	Allowed	12	1.5	0.57	Medium Rapid
Fish Emulsion	Allowed	5	2	2	Rapid
Fish Meal (dry)	Allowed	14	4	0	Slow
Fish Scrap (dry)	Allowed	3.5 to 12	1 to 12	0.08 to 1.6	Slow
Garbage Tankage (dry)	Allowed	2.7	3	1	Very Slow
Grain Straw	Allowed	0.6	0.2	1.1	Very Slow
Guano (Bat)	Restrictedf	5.7	8.6	2	Medium
9Kelp ^g	Allowed	0.9	0.5	4 to 13	Slow
Manure ^h (fresh) - Cattle	Restricted ⁱ	0.25	0.15	0.25	Medium
Manure ^h (fresh) - Horse	Restricted ⁱ	0.3	0.15	0.5	Medium
Manureh (fresh) - Sheep	Restricted ⁱ	0.6	0.33	0.75	Medium
Manureh (fresh) - Swine	Restricted ⁱ	0.3	0.3	0.3	Medium
Manure ^h (fresh) - Poultry (75%)	Restricted ⁱ	1.5	1	0.5	Medium Rapid
Manure ^h (fresh) - Poultry (50%)	Restricted ⁱ	2	2	1.0	Medium Rapid
Manure ^h (fresh) - Poultry (30%)	Restricted ⁱ	3	2.5	1.5	Medium Rapid
Manure ^h (fresh) - Poultry (15%)	Restricted ⁱ	6	4	3	Medium Rapid
Marl	Allowed	0	2	4.5	Very Slow
Mushroom Compost ^j	Allowedk	0.4 to 0.7	5.7 to 6.2	0.5 to 1.5	Slow
Peanut Hulls	Allowed	1.5	0.12	0.78	Slow
Peat and Muck	Allowed ^l	1.5 to 3.0	0.25 to 0.5	0.5 to 1.0	Very Slow
Pomaces ^m - Apple (fresh)	Allowed	0.17 to 0.3	0.4 to 0.7	0.2 to 0.6	Slow
Pomaces ^m - Apple (dry)	Allowed	0.7 to 0.9	1.2 to 2.1	0.6 to 1.8	Slow
Pomaces ^m - Castor	Allowed	5.0	1.0	1.0	Slow
Pomaces ^m - Winery	Allowed	1.5	1.5	0.80	Slow
Sawdust	Allowedn	4	2	4	Very Slow
Soybean Meal (dry)	Allowed	6.7	1.6	2.3	Slow Medium
Tobacco Stems (dry)	Allowed	2	0.7	6.0	Slow
Wood Ashes ^o	Allowed ^p	0	1 to 2	3 to 7	Rapid

^a Some materials may not be obtainable because of restricted sources.

^b Must be produced in accordance with the National Organic Standard to be allowed. Organic status was determined through listing with the Organic Materials Review Institute (OMRI; https://www.omri.org/). Brand used may affect allowability; check with your certifier before using any product to avoid compromising your certification.

^cThe percentage of plant nutrients is highly variable, mean percentages are listed.

^d Must be produced in accordance with the National Organic Standards to be used in organic production.

^e Brand used must not be derived from genetically modified cotton or contain prohibited substances.

f Allowed guano is decomposed and dried deposits from wild bats or birds. Must meet requirements for using raw manure.

^g Contains common salt, sodium carbonates, sodium and potassium sulfates.

h Plant nutrients are available during year of application. Nutrient content varies with the amount of straw and method of storage.

ⁱ Uncomposted or raw animal manure must be used on fields with crops not to be consumed by humans or incorporated into the soil a minimum of 90 days before harvesting a product to be consumed by humans provided that the edible portion of the crop does not contact the soil or integrated into the soil a minimum of 120 days before harvesting a product to be consumed by humans that does come into contact with the soil. Using sewage sludge is prohibited in certified organic production.

^jUse only after composting in compliance with the National Organic Standard. Fresh mushroom compost is usually too high in soluble salts.

^k Must meet compost requirements.

¹Not allowed if contains synthetic wetting agents.

m Plant nutrients are highly variable, depending on the efficiency and the processing techniques at the processing plant.

ⁿ Allowed only if wood is untreated and unpainted.

[°]Potash content depends upon tree species burned. Wood ashes are alkaline, contain about 32% CaO.

POnly from untreated and unpainted wood. Wood stove ash - only if not contaminated with colored paper, plastics, or other synthetic sources.