

Approximate Composition of Select Natural Fertilizer Materials

Material	Nitrogen (N) %	Phosphoric acid (P) %	Potash (K) %
Bulky organic materials			
Alfalfa hay	2.5	0.5	2.0
Bean straw	1.2	0.3	1.2
Crabgrass	0.66	0.19	0.71
Grain straw	0.6	0.2	1.0
Oak leaves	0.80	0.35	0.15
Peanut hulls	1.5	---	0.8
Peat	2.3	0.4	0.8
Sawdust	0.2	---	0.2
Seaweed (kelp)	0.6	---	1.3
Manures			
Bat guano	10.0	4.5	2.0
Cow manure, dried	1.3	0.9	0.8
Cow manure, fresh	0.5	0.2	0.5
Hen manure, dried, with litter	2.8	2.8	1.5
Hen manure, fresh	1.1	0.9	0.5
Horse manure, fresh	0.6	0.3	0.5
Pig manure, fresh	0.6	0.5	0.4
Sheep manure, dried	1.4	1.0	3.0
Sheep manure, fresh	0.9	0.5	0.8

Material	Nitrogen (N) %	Phosphoric acid (P) %	Potash (K) %
Rock powders			
Basic slag	---	8-17	---
Greensand (glauconite)	---	1.4	4.0-9.5
Hybro-tite	---	0.002	---
Rock phosphate (apatite)	---	38-40	4.5
Vegetative and animal materials			
Bonemeal, steamed	2.0	22	---
Castor pomace	6.0	1.9	0.5
Cocoa shell meal	2.5	1.5	2.5
Cottonseed meal	6.0	3.0	1.0
Dried blood meal	13.0	1.5	0.8
Feathers	15.0	30.0	---
Fish meal	10.0	6.0	---
Fish scrap	5.0	3.0	---
Garbage tankage	1.5	2.0	0.7
Hoof and horn meal	12.0	2.0	---
Soybean meal	7.0	1.2	1.5
Tankage, animal	9.0	6.0	---
Tankage, processed	7.0	1.0	0.1
Wood ashes	---	1.8	5.0

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