



Natural Soil Amendments

	NPK Ratio	*Quantity in lbs			Notes
		Low	Med	Adq	
Nitrogen					
Blood Meal	1 - 11 - 0	30	20	10	24% calcium
Coffee Grounds	2 - .3 - .2				Put in compost
Cottonseed meal	6 - 2 - 1	35	25	10	
Fish Emulsion	4 - 1 - 1	2 oz.	1 oz.	1 oz.	Also 5% sulfur
Fish Meal	5 - 3 - 3	20	10	10	
Soybean Meal	7 - .5 - 2.3	50	25	10	
Phosphate					
Bonemeal	1 - 11 - 0	30	20	10	24 % calcium
Colloidal Phosphate	0 - 2 - 0	60	25	10	23%calcium
Rock Phosphate	0 - 3 - 0	60	25	10	Contains 11 trace minerals
Potash					
Granite Meal	1 - 4% total K	100	50	25	19 trace minerals and 67% silica
Greensand	72% total K	100	50	25	32 trace minerals
Wood Ash	1 - 1 - 1				
Calcium					
Eggshells	1.2 - 0.4 - 0.1	100	50	25	Some trace
Gypsum	22% Ca 17% Su	40	20	5	Don't apply to soils below PH 5
Limestone - dolomitic	Ca, Mg, balancer	100	50	25	
Limestone - calcitic	Ca/Mg	100	50	25	
* If your soils test Low for particular nutrient then add recommended amount. The same goes for medium or adequate. These amounts are for 1000 sq. ft.					

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Organic Matter					
Community Compost	1 - 1 - 1	200	100	50	Organic / humus
Home Made Compost	.5 - .5 - .5	2000	1000	400	Organic / humus
Grass Clippings	.5 - .2 - .5	500	300	200	
Wheat Straw	.7 - .2 - 1.2	250	150	100	
Worm Castings	.5 - .5 - .3	250	100	50	50% organic matter plus 11 trace minerals
Commercial Products					
Azomite Azomiteinternational.com	Mineral-rich soil with over 67 trace elements. It is 100% natural and contains every essential micro-mineral needed by plants and animals including a wide range of rare earth elements.			Mined Rock	
Nutri- Mulch www.nutrimulch.com	Made from turkey droppings, wood shavings, and water. All they do is turn it regularly. On their website you can find out where the closest distributor is or pick up a load at the Moroni True Value Hardware Store. Nutrient values are on their website too.			Turkey Compost http://www.ksl.com/?nid=359&sid=22813425	
Gardens Alive www.Gardensalive.com	Numerous natural supplements for vegetables, fruits, lawns, and flower beds.				
BMZ Ag solutions www.bmbio.com 801-602-1920 Matt Bigler	Bio-N-Liven Answer is designed to wake up, energize and stimulate the naturally occurring microorganisms in you soil, plants, and water. It contains a complete system of enzymes for microorganism stimulation and replication. These enzymes also work with natural plant hormones to help plants reach their full potential. The Carbon Answer furnishes immediate energy to microbial life by providing high energy, natural as well as a balanced blend of water soluble trace mineral electrolyte derived from 8 different carbon sources. It provides a quick and sustainable energy source to aid the organisms in your soil.				
Gantec Green Gantecinc.com	A biotechnology company focused on delivering agriculture solutions for the 21 st century. Natural plant-based products provide excellent plant growth solutions. The product delivers a unique spectrum of bio-actives, resulting in higher yields and better growth in field crops, vegetables, and transplants.				