

----- WHAT MAKES -----**SOIL ALIVE?**

When you put a plant in a pot or the ground you are actually not working in dirt, you are working in soil! Dirt is just the reminisce of soil you get on your hands and clothes while working in the garden, but soil is a living thing made up of microbes, bacteria, fungi and elements of the earth that have been decomposing since its very existence.



MACRO AND MICRO NUTRIENTS



As you know, it is crucial for humans to have a good balance of vitamins and minerals to grow and live a healthy life.



absorb over 70 different vitamins and minerals and not all soil offers a good dose of them all

and utilizes in the highest quantity



delivers both Macro and Micro Nutrients of many kinds



Macronutrients are the three main elements the plant absorbs

There are only three Macronutrients, which are key to the health of our plants.

N2 Nitrogen

Phosphorus Some of these Micronutrients include

Potassium

K.

Magnesium



Calcium

Macronutrients it could possibly need LET'S START BY BREAKING DOWN ALL THE INGREDIENTS

Thankfully our soil had a good variety of all the Micro and

IN OUR BASE SOIL ONE BY ONE

Coco Fibers absorb water in their hollow tubes like a sponge, helping you water less often while preventing water and nutrients from leaching out of your pot.

Coconut Coir

The thin hollow tubes of coconut fibers are a sustainable source for the base of our soil.





in an oxygen limited environment.

BioChar

through a process called pyrolysis which in simple terms means decomposition by fire



Feather Meal

Phosphorus is key for root development and flower formation meaning it helps with fast strong





growth and healthy fruit production like tomatoes and zucchinis!

fertilizers and soils.

organic additive for your soil that delivers phosphorus which is a major nutrient for the plant.

ground up and hydrolyzed poultry feathers, this is commonly used in lots of organic

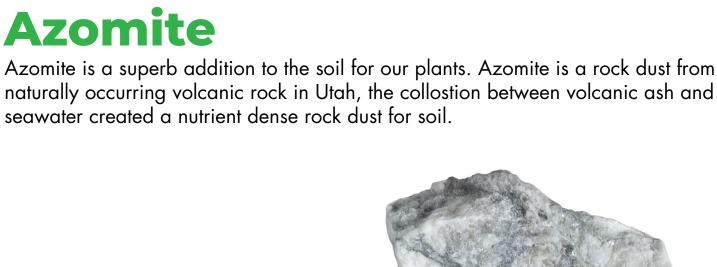


Chicken droppings and feathers, and has been used by farmers since the beginning of gardening.





Azomite



Gypsum powder is a star in our soil! First off Gypsum adds Calcium and Sulfur, which our plants need to grow proper fruit, leafy foliage, and also helps with cell growth and reproduction.

Gypsum

soil to a better degree.

Dolomitic Lime Dolomitic Lime is a type of limestone that is used to balance out our soil nutrients and PH level. This limestone powder contains calcium and magnesium which helps to build strong cells within the root structure and foliage of the plant, in turn preventing extreme

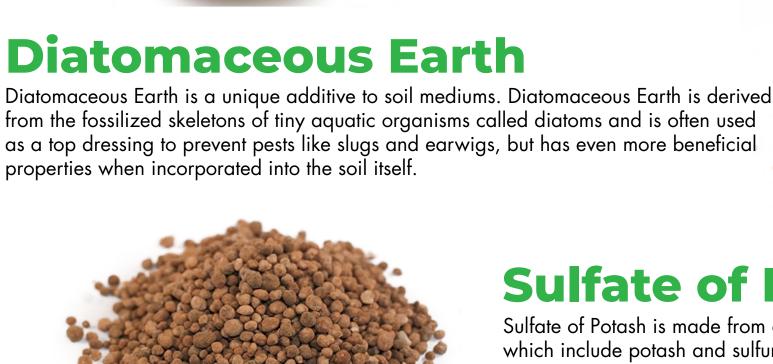


Kelp Meal is a wonderful resource for the organic gardener because of what it delivers to our plants and how fast this type of seaweed grows in our nutrient dense ocean! This kelp Meal grows at a rate of 3 feet per day in our oceans making it a very sustainable source for home gardeners.

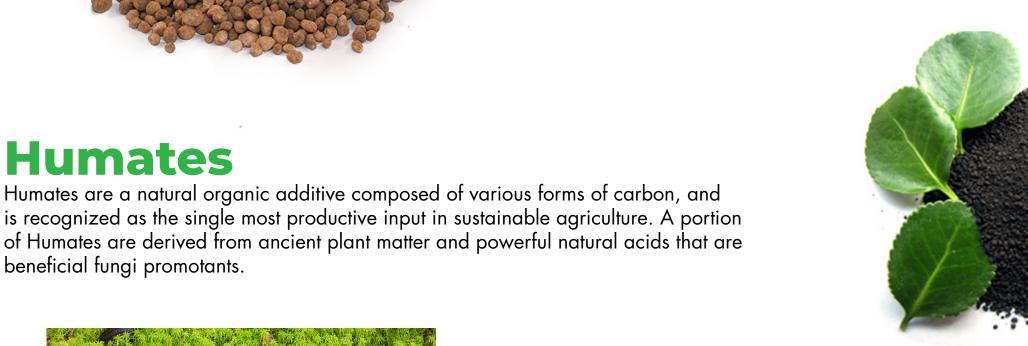
Kelp Meal

medium.

Epsom Salt Epsom Salt may seem like an outlandish thing to add to our soil, but Epsom Salt actually is an organic way of adding a good dose of magnesium into our soil



Sulfate of Potash Sulfate of Potash is made from a combination of ground up water soluble minerals which include potash and sulfur! This combination of minerals delivers a large amount of potassium to our plants which has a wide range of benefits to our plants.



https://www.indiamart.com/proddetail/coconut-husk-fiber-14855390230.html https://www.cropservicesintl.com/shop/dry-soil-amendments/feather-meal/

http://www.nordfeed.com/meat-bone-meal.html

https://wholebodyhealing.com/product/epsom-salts-50lbs/ https://www.saferbrand.com/articles/what-is-diatomaceous-earth https://sanjacsupply.com/product/sulfate-of-potash-0-0-50-18-s/

https://www.carolinaorganiclawns.com/humates/

preventing our precious garden additives and water from leaching through the pot.

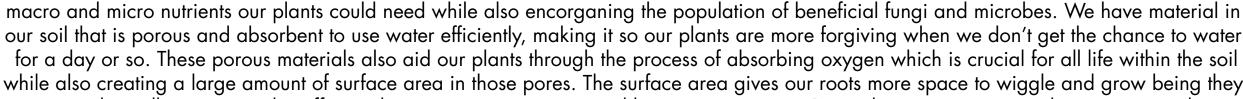
Sphagnum Moss

CONCLUSION—

Sphagnum Moss otherwise known as Peat moss was discovered in the mid 1900's

decomposed fibrous mossmaterial and is excellent at holding moisture and nutrients,

and had revolutionized the way we garden forever! Peat Moss is dead and



That is all of the organic materials our soil is made up of. All in all our soil is a great start for growing edible food due to its deliverance of all the

while also creating a large amount of surface area in those pores. The surface area gives our roots more space to wiggle and grow being they are in such small containers, this offers us longer growing seasons and better success rates. Being that our growing medium is nutrient dense and a wonderful consistency/texture, it makes gardening easier for you! All you have to worry about now is how often you water, checking for pests and enjoying your food.. We have done the dirty work for you! Enjoy and Happy gardening! SOURCES: https://www.bioenergyconsult.com/applications-of-biochar/



https://www.gardeningknowhow.com/garden-how-to/soil-fertilizers/sphagnum-moss-vs-sphagnum-peat-moss.htm