

## Basaltic Rocks Farming: Transforming Trends In Agriculture

### Removal of carbon

Carbon is the important for plants as well as it is ruining the atmosphere, act as a pollutant. That's why carbon becoming climate scientist's focus, nowadays. According to them, carbon dioxide should be removed from the atmosphere completely not only the added-up amount of CO<sub>2</sub>. Two process acidifications of oceans and heat up of atmosphere go along with each other. These processes take a long to start as well as to end. Temperature of atmosphere and acidification of ocean undoubtedly rises for long even the carbon emission completely sealed.

### Geo-engineering scheme

Geo-engineering scheme is suggested as solution to cool the earth by increasing amount of sulfur dioxide into atmosphere, iron to the ocean and reflecting the sun rays back to the space by placing a mirror. Some aspect of this solution is not only practical but also safe for human being.

### Granulated basaltic rocks

Granulated basaltic rocks after volcanic eruption have a positive effect to agriculture as wee as global community. This effect is studied in the University of Sheffield by the scientist in UK. Lead author of new researcher Professor David Beerling, working at University of Sheffield, said that "Human societies have long known that volcanic plains are fertile, ideal places for growing crops without adverse human health effects, but until now there has been little consideration for how adding further rocks to soils might capture carbon."

### Management

This is an important study to not only manage the farming but also foods and soil security. This study will also help to control CO<sub>2</sub> emission, benefits for food and soils and also rock weathering. Fossil fuels are burned to generate energy. This burning cause the CO<sub>2</sub> to enter in the atmosphere that should reduced for climate preservation. Valuable strategy should be adopted to actively reduce the CO<sub>2</sub> from the atmosphere.

### Advantages

Basaltic rocks improve the fertility of soils in agriculture. It also reduced the need of fertilizers and pesticides, both are derived from oil stocks. An infrastructure is set to add and apply the readily available crushed Basaltic rocks instead of using crushed limestone. These are some advantages of Basaltic rocks in agriculture. Using Basaltic rocks yield more than using pesticides and fertilizers. And this this misconception about the Basaltic rocks using require more water demand or arable land.

- Several decades ago, Dr. James Hansen, NASA scientists, introduce the hockey stick to the world. He said "basaltic rock dissolves slowly in rainwater which increases the rate of natural weathering during with carbon dioxide is removed from the atmosphere. Less

carbon dioxide means less acidification of the oceans — an important benefit that receives little notice in the press and requires more research to fully understand.”