

Lava Products as a Soil Additive

Colorado Lava, Inc. sells smaller size lava products to bonsai tree, orchid and rose clubs plus wholesale growers all over the United States and Canada. These products are available in bags or bulk in the following sizes:

RQ – red 1/4 clean

RS – 3/8 to sand

RP – 3/8 to 3/4



Lava products are a popular rock material used in landscaping and as a soil additive. The small sand and pebble sized products are an excellent, high-energy soil amendment (although it has an analysis of less than 1-1-1). Use some around plants and you'll see how irrelevant it is to worry about pH; the pH of lava sand is more than 8. Lava sand makes soil nutrients more available to plant roots. Lava products also increase the water-holding capacity of the soil while separating heavy clay particles, thus improving water percolation from the surface. Home gardeners and professional crop growers of bonsai trees, orchids, roses, and even turf, have discovered how powerful it is in an organic program. Lava products can be used in potting soils and bed preparation for all landscaping, plant and food crops. Lava products can also be used to top dress new sod installations at a rate of 40 -80 pounds per 1000 square feet or at a heavier rate for flowerbeds at 80 - 150 pounds per 1000 square feet. Lava products can also be used in seed-germinating trays and pots.

Although there is some controversy on this subject lava products are said to have high paramagnetic qualities. Paramagnetism as a force has been studied for about a century in academia, but it has only been in the past decade, that an association was found between this force and increased plant vitality. The science of paramagnetism and its usefulness for helping farmers, as well as greenhouse operators and homeowners, has been steadily growing over the



past decade. Paramagnetism is a force that is found quite naturally in rock. Some types of granite, and especially lava rock products contain inherently high levels of paramagnetism that in pilot experiments have increased plant growth, but even more importantly increased plant vitality to the point where insects and disease no longer attack or infect the plant. For this reason, insecticide and fungicide use is reduced or no longer necessary when utilizing paramagnetic lava products. Paramagnetism can

be measured by a device which has been modified from a more expensive model made in England. It is this inexpensive model, invented by three individuals and sold out of an engineering laboratory in Maine that is used in agriculture today.

Dr. Philip S. Callahan first discovered the association between this force and increased plant vitality. He has published a book entitled "Paramagnetism- rediscovering Nature's secret force of growth" on this subject. Dr. Callahan is one of the most sought after agricultural speakers in the world. One of the members in his audience was the Boral Co. of Australia, which is one of the largest mining companies in Australia. Boral began researching this phenomenon in 1998. Their results were so convincing that they have decided to continue along this line of research and have, reportedly, begun to purchase mountains scattered across the outback displaying high levels of paramagnetism in order to possibly use them as distribution points for selling the paramagnetic rock to Australian farmers.