

Have you ever wondered why your grass never really grew thick and green, or why your plants never gave as many flowers, fruits and vegetables as it should?

Tropical Aglime may be the answer.

- Enhance pH levels of your soil.
- Reduce acid level of your soil.
- Greener, plusher lawns.
- Restore soil as nature intended it to be.
- Greater fruit & vegetable productivity.
- Keep Hawaii green!

Tropical Aglime

Tropical Aglime is manufactured in Hawaii by:



TILECO INC.

91-209 Hanua Street
Kapolei, Hawaii 96707
Phone 682-5737

CALCIUM CARBONATE

Tropical Aglime



LAWN & GARDEN
SOIL SWEETENER

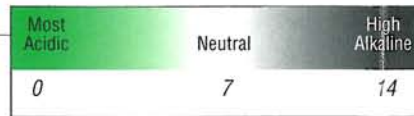
NEUTRALIZES SOIL ACIDITY

PROVIDES ESSENTIAL CALCIUM

FOR GREENER THICKER TURF
& MAXIMUM CROP YIELDS

Acidity in Hawaii Soil

Wherever humidity is high and a lot of rainfall is present, the soil tends to be high in acidity (low pH). This is a natural process of evolution, with certain elements being filtered through the soils and leaving behind an acidic condition. Nitrogen fertilizers, particularly those in the form of ammonia, also contribute to soil acidity. Hawaii's climate is a prime candidate for these soil conditions.



The pH indicates the acidity and alkalinity of the soil. Ranges may vary from 0 to 14 with 0 being the most acidic, 14 as the highest in alkaline and 7 being neutral. Most areas of Hawaii will have a pH well below 7.0, except for the areas along the shoreline where coral sand is present. For every unit that the pH is below 7.0 the acidity increases by 10 times.

The Liming Method

The Liming method used by the agricultural trade for hundreds of years, but new to most of us, is used to neutralize acid soils.

- The finely pulverized lime that is added to the soil, is dissolved through moisture over time.
- The reaction of this process raises the soil pH and makes the nutrients in the soil available to the plants. In most cases, nutrients are present in the soil. But without the pH being in a neutralized state, the nutrients are not available for the plant's consumption.
- Rather than only fertilizing, plan on bringing the pH of the soil into the required range for optimum crop growth and yield. You will also be maximizing the fertilizer's efficiency.

- Take notice on playing fields where lime is used to mark the grass. Initially the grass turns brown because so much is applied and it burns the leaves. Take a look at these areas after it is saturated into the ground. It is the greenest with the best growth rate because of the nutrients that is now available after bringing the pH higher.
- Mixing the recommended dosage of lime into the soil is the most effective method. But when it is not practical, such as in the case of an established lawn, sprinkling of the lime is an alternative.
- Finer ground lime gives faster results and is more effective in raising the soil pH.
- Applications done on an annual basis or every two years should be sufficient. To get the optimum growth of any plant the pH should be at a level that is recommended for each individual type.
- Plants differ in ranges of pH. See the following chart.

Testing Your Soil

There are a couple of ways to test the pH in your soil.



Tropical Aglime is made in Hawaii for Hawaiian soils by Tileco Inc. and sold in 60 lb. bags.

Keep in mind that there are plants that thrive on acidic soils (low in pH) so it is recommended that you test your soil or use sparingly if needed.

Soil ranges for optimum growth of selected plants.

Plant	pH	Plant	pH
Field crops		Ornamentals	
Field corn	5.5-6.7	Croton	5.5-6.5
Rice	5.0-6.5	Eucalyptus	6.0-7.0
Sugarcane	6.0-7.0	Mock orange	6.0-7.0
Taro	5.5-6.5	Mondo grass	6.0-7.0
		Palms	6.0-7.0
		Stephanotis	6.0-7.0
Flowering plants		Turf	
Anthurium	5.5-6.5	Bent	6.0-7.0
Azalea	4.5-5.0	Bermuda	6.0-7.0
Bougainvillea	5.5-7.0	Centipede	6.0-7.0
Carnation	6.0-7.0	St. Augustine	5.5-6.5
Chrysanthemum	6.0-7.0	Zoysia	6.0-7.0
Gardenia	5.0-6.0		
Ginger	6.0-7.0	Vegetables	
Hibiscus	6.0-7.0	Bell Peppers	5.5-6.5
Jacaranda	6.0-7.0	Broccoli	6.0-7.0
Marigold	5.5-6.5	Carrots	5.5-6.5
Orchid	5.5-6.5	Chili pepper	5.5-6.5
Poinsetta	6.0-7.0	Cucumbers	6.0-6.8
Roses	5.5-6.5	Daikon	5.5-6.8
		Eggplant	5.5-6.0
Nuts		Ginger root	6.0-6.5
Coconut	6.0-8.0	Gobo	5.5-8.5
Coffee	5.0-6.0	Lettuce	6.0-6.7
Macadamia	5.0-6.5	Lima beans	5.5-6.7
		Onions	6.0-6.7
Fruits		Radish	5.5-6.5
Avocado	6.2-6.5	Strawberry	5.5-6.5
Banana	5.5-6.5	Sweet corn	5.5-7.0
Guava	5.5-7.0	Sweet potato	5.5-6.7
Lemon	6.0-7.0	Tomato	5.5-6.8
Lychee	5.5-6.5	Won bok	6.0-6.5
Mango	5.5-7.0		
Orange	5.5-6.5		
Papaya	5.5-6.5		
Passion fruit	5.0-6.0		
Pineapple	4.7-5.7		
Tangerine	6.0-7.0		