

## Raise Soil pH - "Sweeten The Soil"

Most garden soils have a pH between 5.5 and 8.0. This number helps you determine when and how to adjust your garden soil's pH level. If the pH level is below 6, the soil is considered acidic, and you may need to add limestone. If your soil's pH level is above 7.5, the soil is considered too alkaline for most vegetables, and you will need to add our HY Soil Sulfur.

In general, soils in climates with high rainfall, usually east of the Mississippi River or in the Northwest tend to be acidic. West of the Mississippi, where rain fall is usually less than normal the soils tend to be more alkaline.

This occurs because rainfall gradually washes calcium from the soil.

First of all, its best to have the soil tested and get the results back to see exactly what the soil test shows so you have a starting point to work off of.

To raise the pH applying Hi-Yield Agricultural Limestone (Dolomite Lime) is the preferred product. It is readily available and easy to apply.

There are 2 types of agricultural limestone available: Dolomitic and Calcitic. Both contain Calcium Carbonate, which is a grass nutrient and a neutralizer for acidic soil.

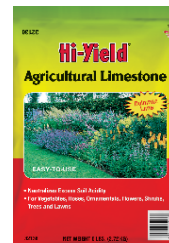
- Dolomitic Limestone contains Magnesium, another important nutrient as well as Calcium Carbonate. To much Magnesium stunts and kills vegetable growth.
- Calcitic Limestone does not contain Magnesium. But does contain Calcium Carbonate.

The charts below will show how many pounds of Hi-Yield Agricultural Limestone to add to your soil, 6 to 10 inches deep. Make sure to measure the size of your garden before applying our Hi-Yield Agricultural Limestone product.

The following table are approximate amounts of amendment needed to raise pH in soils up to 6.6 - 6.8

\* As a rule of thumb - It will take about 4 Tablespoons of Lime per 1 square foot to raise the pH level two units or points.

		Desired pH Level of 6.5 to 6.8		
		Pounds of HY Agricultural Limestone per 100 Square Feet		
Present Soil pH		Sandy Soil	Loam Soil	Clay Soil
4.0		11.5	16	23
4.5		9.5	13.5	19.5
5.0		8	10.5	15
5.5		6	8	10.6
6.0		3	4	5.5



		Desired pH Level of 6.5 to 6.8		
		Pounds of HY Agricultural Limestone per 1000 Square Feet		
Present Soil pH		Sandy Soil	Loam Soil	Clay Soil
4.0		60	161	230
4.5		50	130	193
5.0		40	100	152
5.5		30	80	106
6.0		15	40	60

\*All soils are collections of tiny mineral particles. The size of the mineral most abundant in the soil determines if you have Sand, Loam or Clay soil.