



# Planters II Application Rate

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## Application Rates

Minerals are essential to the development of all plants just as they are to animals and humans. Each year we are removing minerals from our soil, and it is vitally important we build a foundation of plant-available, bioactive and pH tolerant minerals.

The following application rates are rough estimates. *It is important to work with your Dealer to determine ideal rates for your area.*

### Most Crops - Broadcast Spreading

150-400 lbs.

Start with 200 lbs the first year. You may then adjust from there depending on your need. Fruits on average require more minerals. Grains and grasses tend to require fewer minerals. *Planters II does not burn.*

### Most Crops - Banding Planters II

150-200 lbs.

For some crops (such as soy) it is beneficial to band Planters II into each row as you are seeding. This causes Planters II to be focused around each seed resulting in very little waste. In such cases, less can be used. As with broadcast spreading adjust the following year based on the type of crop: more for fruits less for grains and grasses.

### Replacing Lime, Gypsum or other pH Balancers

200-400 lbs depending on how many tons of the pH balancer you plan to use. For example, if you are using the standard application of 4.5 tons of Lime use 200-300 lbs. of Planters II. Why does Planters II work in pounds instead of tons? The minerals are already in the plant available form required for agriculture. You are doing more than just balancing pH; you are helping nature work its own way.

## Other Considerations

In addition to application rates, there are other considerations to take into account in your agricultural program.

### Save Money and Reduce 1/3 to 1/2

If a crop is built on a solid mineral foundation, it is possible to reduce chemical fertilizers by 1/3 to 1/2 depending on your current needs. You may also reduce pesticides or herbicides once other sustainable practices are utilized in conjunction with a solid mineral foundation. Remember, weeds are barometers for your soil. If your soil is balanced you will have a noticeable reduction in unwanted influences.

## Time of Application

Planters II can be applied any time of the year with similar results. For best results apply before / during seeding. As it is possible to apply any time of the year, apply while the ground is still frozen (January-March) for ease on equipment and fields.

## The Foundation Mineral Difference

Just like sunlight and water, it is important to start with a solid foundation of minerals to build upon. All plants need minerals. *What makes a Foundation Mineral different from standard "rock dust" soil amendments?*

## pH Tolerant

It is well known that minerals help adjust the pH of high alkaline or acidic soils to mostly ideal conditions. However, it can be confusing as to which mineral to use in what condition. Planters II minerals will work on adverse soil conditions without tying up other minerals.

## Bioactive

Life exists in your soil, and it is that life that is the start of a great crop. A foundation mineral feeds the life in your soil causing an explosion of microbial life forms and earthworms. The key to sustainable agriculture is life in your soil. Promote that life with a solid foundation first.

## Plant Available

Why wait 2-200+ years, in the case of calcium carbonate, for the mineral to break down to a useable form. Plant available minerals such as those found in Planters II are available when the plants need them. As such, they are registered as a fertilizer and you can see the difference right away.

## About U.S. Soil

**Established in 1947** U.S. Soil, a family owned and operated business, works tirelessly to promote sustainable agriculture and organic farming.

Today, there are many mineral supplements on the market, but few provide the ideal mineral combination U.S. Soil is able to provide with **Planters II**.

By choosing U.S. Soil, you are choosing to use a company that has the experience and the products to build your foundation for the future.

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