

INCREASE YOUR PROFITS THIS YEAR!!

Think Bio-Diesel!

Calcium-25[®]

Calcium Mineral Supplements

for

**Soybeans, Sorghum, Alfalfa, Hay,
Small Grains, and Pasture**



Applying Calcium-25 on these crops can dramatically increase your yields -up to 50%! When applied in solution to crops at the proper stages of plant growth, Calcium-25 causes a rapid growth increase, which can actually be measured in just a few days! This results in yield increases, some of which are reported in Tables 1 and 2 below.

Calcium-25 contains natural plant wax components that are present on the leaf surface, together with calcium in a carefully-balanced mixture. When this is applied to the leaves of plants in solution with water at the right dilution rate, the plant components are "seen" by the plant as being part of the leaf surface. As a result, the mixture is absorbed by the leaf with the calcium attached. This is then *translocated* throughout the plant rapidly, *unlike any product on the market!* The result? A healthier, stronger plant at an early stage of plant development. This carries over to an increase in crop yield. You get ... ***MORE PROFIT!***



Calcium-25 is potent! Only 4 lbs. makes 400 U.S. gallons of spray. It is *important* to remember that Calcium-25 is a concentration-dependent product. This means it must be diluted to the proper concentration with water so the leaf surface will absorb it as if it were a part of the plant!

Result? Net profit increases over 80% for even less than the average cost of spraying!

Table 1.

Increase in crop yields for various crops using Calcium-25.

Soybeans	25-50%
Sorghum	28-50%
Alfalfa	up to 40% per cutting
Pasture	28-30%
Other crops	20-30% and more

Table 2.

Increase in crop yield (in pounds per acre) using Calcium-25 on alfalfa (cv. Kansas) under different conditions.

Trial no.	lbs./a (check)	lbs./a (treated)	Increase per plot
1	2258	5055	59%
2	2717	6673	88%
3	6536	8134	25%
Average			46%

without Calcium-25 with Calcium-25

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Organic Materials Review Institute

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Bio-Gard Agronomics, Inc., P.O. Box 4477, Falls Church, VA 22044



How to Increase Your Yields with **Calcium-25** for Soybeans, Sorghum, Alfalfa, Small Grains, and Pasture

When using Calcium-25 on these field crops, there are a few guidelines you need to follow:

1. Always dilute the product at the rate of **4 lbs.** per **400** gallons with water **ONLY**. Additives can interfere with the plant's ability to recognize Calcium-25. (For users in **Canada**, use **320 imp. gallons**.)

2. Always spray at the correct stage of plant growth, as shown in **Table 3** and the illustrations on this page. Soybeans can be treated at a later stage, also, to increase pod size - up to early bloom.

3. Always observe the correct temperature range when using any Calcium-25 product. This is very important, since Calcium-25 can only be absorbed by the leaves when they are growing, regardless of the time of day crops are sprayed. For the crops listed on this page, the temperature for application must be at least 77 degrees. Spraying at a higher temperature, up to about 90 degrees, is even better. In northern climates, like Canada, the temperature may be slightly less.

4. Application rate is determined by how long the Calcium-25 can keep the leaves of the plant wet. This can vary with temperature, humidity, wind, and other factors. For best results, always test to see if your sprayer is keeping the leaves wet for about 10 minutes. If not, either slow down, increase pressure, or make adjustments to have a higher spray volume. Bandspraying over the rows is ideal, since it improves coverage up to about 20 acres for each 4 lbs. of Calcium-25. A little experimenting can give you that extra 15 or 20 bushels, or more, per acre!!



How can I tell if Calcium-25 is working? For the research-minded, you can usually predict what your yield increase may be on soybeans this way (if Mother Nature doesn't hit us with flooding or drought!): about a week after spraying Calcium-25, you can dig up some plants, and compare the number of nitrogen nodules on the roots to untreated plants. If the field was sprayed correctly, you should notice at least twice as many nodules on the roots of the sprayed plants!!! You can also cut some alfalfa (or other crops) about a week after spraying, dry the cuttings in a warm oven (200 degrees), and compare the dry weights to the untreated plants - usually the increases in weight indicate the lowest increase in yields you can expect at harvest (again, if there is no drought)!! You can also take **BRIX** readings in as little as 4 days after spraying and see the increase!!

Table 3.

Best stages for treatment of various crops with Calcium-25

Soybean 2 to 4 trifoliate

Sorghum (milo) 5 to 18"

Alfalfa 3 to 6"

(can use after each cutting)

Pasture spring, summer, and fall - no specific stage)

Small grains 5 to 18"

Bottom Line....

You can double your net profit!!!