

AGGRAND®

Cabbage Fertility Experiment

To determine how balanced nutrition programs increase the productivity of crops and vegetables, AGGRAND scientists compared petrochemical fertilizers with AGGRAND fertilizers. In one AGGRAND experiment conducted at the AGGRAND facilities, cabbage fertilized with AGGRAND produced larger heads, compared to those produced by Miracle Gro®.

The Experiment

Several AGGRAND treatments were compared to Miracle Gro. Two of the AGGRAND treatments were grown on soilless media, and the Miracle Gro treatment was grown on media with soil to see if AGGRAND could outproduce Miracle Gro without relying on the extra nutritional value of the soil.



Group I

Group II

Group III

Group I

Three ounces of AGGRAND 4-3-3 Natural Fertilizer were mixed with one gallon of water and applied to the media and leaves every two weeks.

Group II

Three ounces of AGGRAND 4-3-3 Natural Fertilizer were mixed with one gallon of water and applied to the media and leaves every two weeks. In addition, this group was given an additional foliar treatment before heading and a banded treatment was applied at transplanting. For the banded treatment at planting, two ounces of AGGRAND 4-3-3 Natural Fertilizer, two ounces of AGGRAND 0-12-0 Liquid Bonemeal and one ounce of AGGRAND 0-0-8 Natural Kelp and Sulfate of Potash

were mixed in one quart of water. This mixture was placed into a trench below and to the side of the roots.

Group III

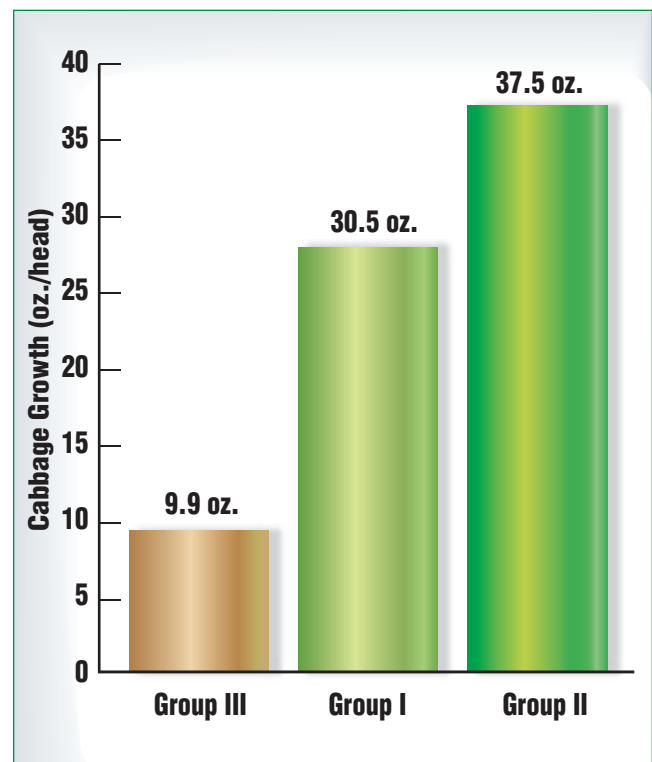
One teaspoon of Miracle Gro fertilizer was mixed with one gallon of water and applied to the media as directed. Group III followed the same two-week fertilization schedule as Groups I and II.

The Results

Groups I and II both produced highly significant increases in mean head weights over Group III (see graph below). Group I produced a 308 percent increase in mean head weight, while Group II produced a 379 percent increase in mean head weight. Group II also produced an increase of 71 percent in mean head weight over Group I.

This experiment proved that AGGRAND Natural Fertilizer outperforms Miracle Gro, even when the plants treated with AGGRAND Fertilizer are grown in soilless media. In addition, the use of banded and foliar applications with a combination of AGGRAND products is effective in obtaining even higher yields than soil applications of one AGGRAND product alone.

Growth Test Results



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