

BRUCE CHURCH INC.  
CAULIFLOWER TRIALS YUMA RANCH  
GROWTH ENHANCEMENT SOLUTION  
1991-92 CROP

11/14/91: Began spraying three cauliflower plants on lot 410. There were a few white flies on these plants as well as the entire field.

11/15/91: Applied solution to the three plants. Noticed white fly on the surrounding plants but none on the ones which were previously treated.

11/20/91: Applied solution to the three plants. All looked healthy and had good color. No insect damage was detected.

11/21/91: Applied solution to the plants. No white fly were found on these, but a few were seen on surrounding plants. The white fly infestation in this field to date has not been heavy.

11/22/91: Applied solution again, all plants in field look healthy, and free of insects at this time.

11/23/91: Applied solution again, no difference noted since the last application.

11/24/91: Applied solution again, all plants healthy and free of insects. Non-treated plants look fine and are free of insects also.

12/07/91: Observed plants, no significant difference between treated and non-treated.

12/09/91: Applied solution, same observations as last time.

12/16/91: Applied solution again. We have had some frost damage showing on the lettuce fields in this vicinity but neither the treated or non-treated plants show any frost damage at this time.

12/17/91: Applied solution. There was one whitefly on one of the treated plants, but there were a few more on the non-treated plants at this time.

12/23/91: Applied solution. No insects were seen on either the treated or non-treated plants at this time.

12/26/91: Applied solution to plants. Everything looked clean and healthy.

01/13/92: Applied solution. Field is clean and growing well.

01/20/92: Applied solution. Treated plants look good, no sign of insect damage on them. Non-treated plants are beginning to show some signs of worm damage/activity, though it is not a serious problem at this time.

01/21/92: Applied solution. Size of both the treated and non-treated plants seem to be even so far.

01/22/92: Plants between the treated and non-treated look the same. We recently applied a foliar treatment of Link 44 as a fertilizer and micro-nutrient supplement.

01/23/92: Today was a little warmer. Found a few looper on the un-treated plants, but no insects were found on the treated ones.

01/28/92: Still no looper on the treated plants though some are still being found on the non-treated ones.

01/30/92: Treated plants seem at this stage to have somewhat larger heads than the non-treated plants in the immediate vicinity.

02/08/92: Treated plants have very good head size compared to the non-treated plants in the immediate vicinity.

02/10/92: Began harvesting the field today. The treated plants were harvested on the first cutting and the others in the immediated vicinity which we were comparing them to during the season cut three to four days later than the treated plants.