

Summary of the Results:

The study achieved these results:

- 1) Stating some vocational jobs which the students of the Agricultural Sec. vocational schools can do after graduation.
- 2) Stating the vocational requirements of the students of the Agricultural Sec. vocation Schools. These were represented in (Requirements concerning survey, Agricultural machinery, Agricultural industries, vegetables, dairy, poultry, irrigation and drainage engineering, field crops and animal production.
- 3) Stating the mathematical requirements for the students of the Agricultural Sec. Vocational School which were represented in :
(Requirements of arithmetic, statistics, plain geometry, solid geometry, algebra, trigonometry, mechanics and calculus)
- 4) Stating the vocational jobs and the matching mathematics for each specialisation at school.
- 5) The suggested syllabus in mathematics for the students of the Agricultural Sec. vocational school has been planned as follows:
 - a) Syllabus 1) For first grade Agricultural Sec. vocational.
 - b) Syllabus 2) For second grade Agricultural Sec. vocational.
 - c) Syllabus 3) For second grade Agricultural Sec. vocational.

6) The results of experimenting with the two units showed the following:

- a) The proportion of Black, adjusted gain was 1,53 for the students of the first grade of Agricultural Sec. vocational school who were subjected to experimentation and who studied the unit of "Area & Masses of dust cubes". This is a considerable percentage denoting the efficiency of the unit as well as the efficiency of the suggested programme.
- b) The proportion of Black, adjusted gain was 1,54 for the students of the experimental group, 3rd grade, Agricultural Sec. vocational school who studied the unit of "Exponents and Logarithms". This is a considerable percentage denoting the efficiency of the unit and the suggested programme.
- C) There are statistically significant differences between the averages of the score (marks) of the two groups the controlling and the experimental in choosing the vocational situations (the post) for the students of the third grade of Agricultural Sec. Vocational School. These differences are in favour of the experimental group.