

1. SUMMARY

1. A review of literature on recent experimental work on the flower induction in pineapples is presented.
2. An account of the manner in which hormones induce flowering, the conditions which affect flowering and the advantages and disadvantages of flower induction are considered.
3. The experimental area has been described.
4. A satisfactory method of plant selection and marking has been designed.
5. An experiment in which acetylene was applied to well grown pineapple plants at two-weekly intervals and under different conditions of environment is described, the results presented and discussed.
6. An experiment in which N.A.A. and 2,4-D were each applied at two levels to induce flowering in pineapple plants is fully described and discussed.
7. Observations made outside the experimental area include; a small trial using Beta-hydroxyethylhydrazine as a flower inducing hormone, measurement of the amount of water retained in the leaf axils of pineapple plants and fruit development.
8. Recent cultural improvements on the estate are discussed.