

## An investigation on the changes in nutrient contents in mealy bugs infested mulberry foliage

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**ABSTRACT:**

The occurrence of pink mealy bugs (*Maconellicoccus hirsutus* Green) on mulberry (*Morus* sp.) considerably reduces the leaf yield and in turn damages its quality. Hence, an attempt was made to know the changes in biochemical constituents and photosynthetic pigments in mealy bugs infested mulberry foliage. The pest infested mulberry showed a variation in their contents. The nutritive status of the pest infested mulberry leaves may be altered adversely, and feeding such leaves to the silkworm may alter the growth and development of the larvae which in turn affect the quality and quantity of silk production.

**Keywords:**

Biochemical constituents, mealy bugs, mulberry, photosynthetic pigments.