



Research Paper

IMPACT OF MULBERRY RED RUST CAUSED BY *AECIDIUM MORI* LINN. ON THE YIELD AND QUALITY OF MULBERRY (*MORUS ALBA* LINN.)

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ABSTRACT

The impact of mulberry red rust (MRR) infestation on the yield and quality of mulberry leaves (cv. Batac), and its management intervention were assessed. Yield loss assessment showed that an average severity of 17.15 % can cause 7.4 % reduction in yield from 9.305 to 10.05 t/ha in mulberry cv. Batac. Tissue analyses of MRR-infected leaves revealed significant reduction in moisture content, total protein and vitamins. Moisture and protein content were found the highest in leaves occupying the top position of the branches. Sugar, starch, carotenoids, b-carotene and ascorbic acid did not vary significantly regardless of leaf position.

Key words: *Aecidium mori*, quality loss, mulberry, red rust, yield loss.