

**Title** Effect of BA on postharvest quality and vase life of crimson clover (*Trifolium incarnatum* L.)

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#### **Abstract**

The effect of benzyl adenine (BA) on the postharvest quality and vase life of crimson clover (*Trifolium incarnatum* L.) cut-flowers was investigated. Freshly cut flower stems of crimson clover were put in vases containing 0, 10, 25, 50, 100, or 150 mg · liter<sup>-1</sup> of BA for 48 h and then held in vases containing 2.5% ethanol and 3% sucrose. Vases were placed in chambers at 22°C with relative humidity about 70%. BA 50 mg · liter<sup>-1</sup> were the most effective treatments on vase life, fresh weight, solution uptake, membrane stability and total soluble solids of crimson clover cut flowers. Cytokinins have potential to enhance post harvest quality of crimson clover Cut flowers.