# Effect of Cytokinin on Rice Leaves Yellowing

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## SUMMARY

Study about Cytokinin effects on Rice leaves yellowing was the principal goal of this experiment. Depending on their effective degree, all Cytokinins which had circular branch chains were arranged in order as BZI>K>BA. In second crop, the chlorophyll contents of Rice leaves were gradually in creasing when growing-days in creased and reach to top level at 10 days after tilling, then they started to descend. With the treatment of some suitable concentration of BZI, the descending speed of chlorophyll contents could be delayed. On the contrary, the ascending speed of $\alpha$-amino nitrogen contents would be limited. Both of them showed negative relation. According to comparision of BZI treatment for cutten leaves (in vitro) and live plants (in vivo), the suitable concentration of BZI was effective not only in vitro but also in vivo for delaying descending speed of chlorophyll contents. Different varieties under treatment of various BZI concentrations showed different mutiple relation of best delaying effects cither in vitro or in vivo. As for whole live plant, their yellowing speed were slower than caffen leaves.

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