



PLANT PROPAGATION

In 1948, Caplin and Steward revived White's studies. They used the original nutrient medium, though now supplemented with the hormone auxin and 20% coconut milk. This media combination produced amazing results by regenerating a whole plant from solely root tissue. Many years later, in 1955, Skoog and Miller identified a small molecule, kinetin, derived from heat denatured DNA that would stimulate

tobacco parenchyma cells to proliferate in culture. A new class of hormone was discovered, cytokinins, that induce dramatic cell growth and differentiation when combined with auxin in appropriate ratios. High levels of auxin to cytokinin stimulate the formation of roots, whereas high levels of cytokinin to auxin lead to the formation of shoots. Equal levels continue the growth of undifferentiated callus tissue.



New product—great results

Next week: Propagation continues

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