

Plant biotechnology & its applications in tissue culture

I.K. International - Plant Biotechnology Reports



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Plant biotechnology

However, agro-biotechnology is still producing a variety of other products that offer innumerable benefits to the global population.

Plant biotechnology

Plant Cell Culture Techniques: The ability to culture plant cells on a large scale, either for the production of biomass or in order to extract the desired product from cell cultures high yielding , has become a highly desirable technology. BIOTECH SUGAR BEET Herbicide tolerant sugar beet In 2008, an herbicide tolerant sugar beet variety was planted in Canada and USA for the first time.

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ADVERTISEMENTS: In *tumifaciens* transformations the success rate is low and in monocots the accomplishments are nearly nil. Most of the plant tissue culture industries are exploiting the fundamental property of regeneration of plant cells for rapid production of elite varieties with superior genotypes on a large scale in a comparatively short time. In order to bring this task to a good end we had intensive discussions with the speakers.

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Similarly expression and accumulation of Brazil nut 2S albumin protein in transgenics rape seed, soybean, French bean seeds and potato has also been reported. These improvements have increased agricultural productivity in developing countries and enhanced their capabilities to sustain the growing population.

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