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Czech J. Ger Plant Breed.

Molecular farming strategies, expression systems and bio-safety considerations

Czech J. Genet. Plant Breec
1-10

Molecular farming is an expected application of biotechnology the genetic modification of crop production of proteins and chemicals medicinal and commercial products. A vast majority in the developing countries cannot afford the high cost of products produced by existing methods to produce not only new therapies but also cheaper versions of the existing ones. Molecular farming could be a viable option for this growing market of biopharmaceuticals. Plant molecular farming therapeutics are cheaper, safe, and abundantly produced and easy to access. Here, strategies and approaches in plant molecular farming are discussed. Furthermore, the bio-safety considerations related to this

field are also discussed.

Keywords:

biopharmaceuticals; recomb
proteins; rhizosecretion; ther
transformation

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