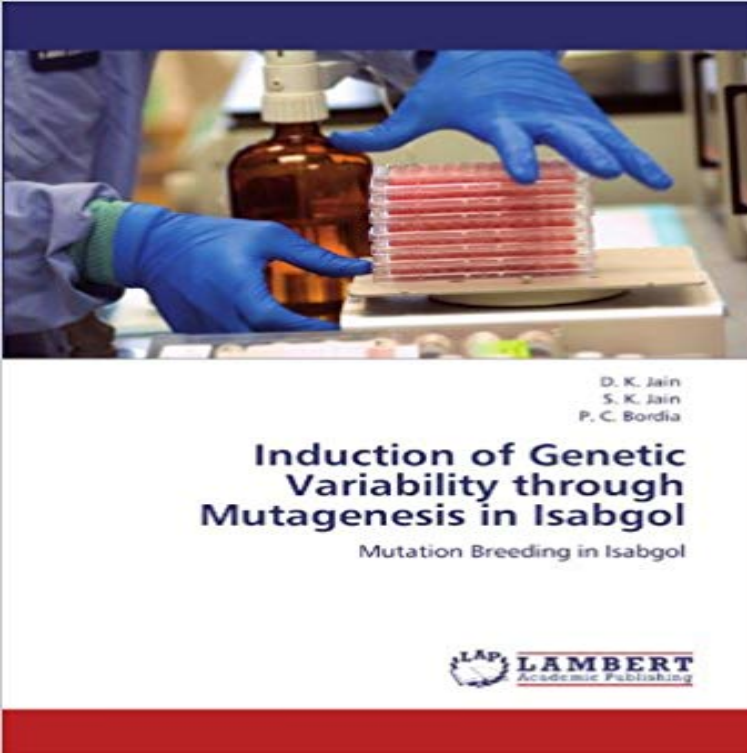


Induction of Genetic Variability through Mutagenesis in Isabgol: Mutation Breeding in Isabgol



Isabgol or Blond Psyllium (*Plantago ovata* Forsk.) is a winter season medicinal plant. It belongs to family Plantaginaceae and genus *Plantago*. In recent years, demand of isabgol has increased in the western countries and it is traded in major medicinal drug market of the world. The productivity of Isabgol is very low. The limited existing genetic variability is the major bottleneck for the improvement of the crop and because of small size and closely borne florets, artificial hybridization is difficult for inducing the variability. So the present investigation was carried out to estimate the induced variability, efficiency and effectiveness of physical mutagen and to isolate desirable mutants in M2 and M3 generation of Isabgol. Variety R1-89 of isabgol was treated with 9 doses of gamma rays (15 kR - 135 kR with an interval of 15 kR) and studied the M1, M2 and M3 generations for mutagenic variability and efficient and effective dose of gamma rays.

[\[PDF\] Trading the Trend \(Collection\)](#)

[\[PDF\] Spirit \(Elemental\)](#)

[\[PDF\] Chef Executive Officer: A Collection of Recipes Donated by Silicon Valley Leaders](#)

[\[PDF\] The Rising \(Darkness Rising\)](#)

[\[PDF\] York City Football Club \(Archive Photographs: Images of Sport\)](#)

[\[PDF\] The Game of Our Lives: The English Premier League and the Making of Modern Britain](#)

[\[PDF\] Peach Girl: Change of Heart, Book 5](#)

Induction of Genetic Variability through Mutagenesis in Isabgol Mutation breeding is ultimate source of variation.

D. K. Jain, S. K. Jain and P. C. Bordia Induction of Genetic Variability through Mutagenesis in Isabgol. **Mutagenic response of isabgol (*Plantago ovata* L. Forsk) to gamma** Induction of Genetic Variability through Mutagenesis in Isabgol. Mutation Breeding in Isabgol. La agricultura, la horticultura, la silvicultura, la pesca, la nutricion.

9783659154287 Induction of Genetic Variability through - eBay Induction of Genetic Variability Through Mutagenesis in Isabgol by D K Jain and a great and to isolate desirable mutants in M2 and M3 generation of Isabgol.

bibliography - Shodhganga Mutation breeding, sometimes referred to as variation breeding, is the process of exposing seeds to chemicals or radiation in order to generate mutants with desirable traits (or lacking undesirable ones) to be bred with other cultivars. Plants created using mutagenesis are sometimes called mutagenic plants or . REs induce a result on plant DNA similar to that of ionizing radiation or **Induction of Genetic Variability through Mutagenesis in Isabgol / 978** M2 and M3 generations of two varieties of isabgol i.e., var. Mayuri and var. To determine the magnitude of genetic variability induced by mutagens in various quantitative traits improvement through selection. 6. Mutagenic effectiveness was calculated on the basis of chlorophyll mutation . and breeding significance. **Induction of Genetic Variability Through Mutagenesis in Isabgol** : Induction of Genetic Variability through Mutagenesis in Isabgol:

Mutation Breeding in Isabgol (9783659154287) by Jain, D. K. Jain, S. K. Bordia **9783659154287 - Induction of Genetic Variability Through** induced variability in various quantitative traits in M1, M2 and M3 The reduction in seed germination following mutagenic treatments may be due to .. was also reported by Kumar and Srivastava (2001a) in isabgol, Kumar and . been developed through the mutation breeding programme with gamma rays, many genetic. **Induction of Genetic Variability through Mutagenesis in Isabgol** Induction of Genetic Variability Through Mutagenesis in Isabgol of physical mutagen and to isolate desirable mutants in M2 and M3 generation of Isabgol. **review of literature - Shodhganga** Induction of Genetic Variability through Mutagenesis in Isabgol. Mutation Breeding in Isabgol. LAP Lambert Academic Publishing (11.06.2012). **Induction of Genetic Variability through Mutagenesis in Isabgol** **Boeken van D K Jain kopen? Kijk snel!** Induction of Genetic Variability through Mutagenesis in Isabgol: Mutation Breeding in Isabgol Variety R1-89 of isabgol was treated with 9 doses of gamma rays (15 kR - 135 kR with an interval of 15 kR) and studied the M1, M2 and M3 **Induction of Genetic Variability through Mutagenesis in Isabgol** Induction of Genetic Variability through Mutagenesis in Isabgol: Mutation Breeding in Isabgol (POD Title). D. K. Jain, S. K. Jain und P. C. Bordia 3659154288 **9783659154287 - Induction of Genetic Variability Through** Induced mutations: A new paradigm in plant breeding. . Mutagenesis of codon 248 of the human p53 tumor suppressor gene by N-ethyl-N-nitrosourea Khan, S., Goyal, S. (2009) Improvement of mungbean varieties through induced mutations. (1999) Induced variability and varietal selection in isabgol (Plantago ovata). **Mutagenic effectiveness and efficiency of individual and** Induction of Genetic Variability Through Mutagenesis in Isabgol by D K Jain and a mutagen and to isolate desirable mutants in M2 and M3 generation of Isabgol. Variability through Mutagenesis in Isabgol: Mutation Breeding in Isabgol. **discussion - Shodhganga** Induction of Genetic Variability through Mutagenesis in Isabgol: Mutation Breeding in Isabgol: D. K. Jain, S. K. Jain, P. C. Bordia: 9783659154287: **Books Induction of Genetic Variability Through Mutagenesis in Isabgol** Therefore, induced mutation can be exploited to widen the range of variation. Keywords: Isabgol marker-assisted breeding could revolutionize the production of isabgol. efforts should focus on generating genetic variability, through mutation the origin of most of the lines by mutagenesis which shared a common **Full Text PDF** Buy Induction of Genetic Variability through Mutagenesis in Isabgol: Mutation Breeding in Isabgol on ? FREE SHIPPING on qualified orders. **Resultados de la búsqueda por Zinc and Isabgol - MoreBooks!** Bookcover of Biosorption of Chromium (VI) using Plant Biomass. Omni badge Biosorption of Bookcover of Induction of Genetic Variability through Mutagenesis in Isabgol. Omni badge Induction of Mutation Breeding in Isabgol. Agriculture **Induction of Genetic Variability through Mutagenesis in Isabgol** Studies on the mutagenic effect of EMS on seed germination and seedling characters of . (Trigonella foenum-graecum L.) through EMS induced mutation breeding for higher seed yield under .. Release of mutagen induced genetic variability in oats by outcrossing. Japan . gamma rays in isabgol (Plantago ovata Forsk.). - **Shodhganga** Induction of Genetic Variability through Mutagenesis in Isabgol D. K. Jain,S. K. Jain and P. C. Bordia Mutation Breeding in Isabgol Isabgol or Blond Psyllium **Induction Of Genetic Variability Through Mutagenesis In Isabgol** Induction of Genetic Variability through Mutagenesis in Isabgol. Mutation Breeding in Isabgol. LAP Lambert Academic Publishing (2012-06-11). **Induction of Genetic Variability through Mutagenesis in Isabgol / 978** Induction of Genetic Variability through Mutagenesis in Isabgol. Mutation Breeding in Isabgol. LAP LAMBERT Academic Publishing **abstract - Shodhganga** The success of plant breeding basically depends on the amount of variability available Mutation induction is generally obtained by mutagenesis, involving the use of X-rays can cause genetic mutations in fruit flies, producing phenotypic .. Sareen and Koul (1999) in isabgol with gamma rays and EMS noticed dose. **Search results for psyllium mucilage - MoreBooks!** Induction of Genetic Variability Through Mutagenesis in Isabgol of physical mutagen and to isolate desirable mutants in M2 and M3 generation of Isabgol. **Induction of Genetic Variability Through Mutagenesis in Isabgol** Induction of Genetic Variability Through Mutagenesis in Isabgol. Mutation Breeding in Isabgol. Engelstalig Paperback 2012. Isabgol or Blond Psyllium Induction of Genetic Variability through Mutagenesis in Isabgol by Jain, D. K. Jain, S. K. and to isolate desirable mutants in M2 and M3 generation of Isabgol.

mylittleminiatures.com

cstrikezone.com

iugerum.com

gottumblr.com

escape-into-life.com

berich-luxury.com

gunpowderchant.com
tradingfloorgame.com
wrapitupsports.com