

Bt. Brinjal: Development Milestones

- 2000 - Brinjal transformation initiated.
 - 2000/01 - Greenhouse evaluation.
 - 2002 - Pollen flow studies - 2 Locations.
- Backcrossing program initiated.
 - 2003 - Acute oral toxicity studies in rats.
 - 2004 - Mucous membrane irritation test in female rabbit.
- Primary skin irritation test in rabbit.
- RCGM multi location field trials -11 Locations, five hybrids (MHB-4, 9, 10, 80 and 99).
- Effects on non-target and beneficial insects.
- ICAR first year trials with five hybrids (MHB-4, 9, 10, 80 and 99) under AICRP (VC).
 - 2005 - Sub chronic oral toxicity study in Sprague Dawley rats.
- Assessment of allergenicity of protein extracts using Brown Norway Rats.
- Responses, as a dietary feed ingredient to common carp (*Cyprinus carpio*) growth performances.
- IRM workshop and recommendations.
- RCGM trials for three new hybrids (MHB-11, 39, 112).
- ICAR second year trials for five hybrids (MHB-4, 9, 10, 80 and 99).
- ICAR first year trials for three new hybrids (MHB-11, 39, 112).
 - 2006 - Chemical fingerprinting of Bt and non-Bt brinjal (including alkaloids).
- Subchronic (90 days) feeding studies using New Zealand rabbit.
- Effect on performance and health of broiler chickens (Central Avian Izatnagar).
- Subchronic (90 days) feeding studies in goats.
- Feeding studies in lactating crossbred dairy cows.
- Socioeconomic and risk assessment.
 - 2007 - Large scale trials for seven hybrids.
- Pollen flow studies at two locations.
 - 2008 - Second year large scale trials for seven hybrids.
- Pollen flow studies at two locations.
- RCGM multi location field trial for four varieties CO2, MDU1, PLR1 and KKM1 in two locations in Tamil Nadu by Tamil Nadu Agricultural University and four locations for six varieties - Malpaur, Manjari gota, Kudachi local, Udupi local, 112 GO, Pabkavi - in Karnataka and part of Maharashtra by University of Agricultural Universities, Dharwad.
- Other studies completed**
- Germination and weediness studies.
 - Aggressiveness studies.
 - Soil micro-biota studies (three years).
 - Substantial equivalence studies.
 - Protein expression studies.
 - Baseline susceptibility studies (two years with 29 populations).
 - Food cooking and protein estimation in cooked fruits.
 - Molecular characterization and even ID.
- 2009 - Public partners seek approval for seed distribution and gear up for commercial seed multiplication.

