

List of Figures

Fig. No.	Title	After page
1.1	Production share of different pulses in the world	1
1.2	Production of pulses in different countries	1
1.3	Production of pulses in different states of India	1
1.4	Area and production of pulses in India	2
1.5	Area and production of pulses in Maharashtra	2
1.6	Production of horsegram in Maharashtra (in Lakh tones)	2
1.7	Nutritional composition of horsegram seeds (per 100 g)	7
1.8	Composition of minerals and vitamins in seeds of horsegram (per 100 g)	7
4.1a	Mutagenic effect on seed yield, biological yield and harvest index of M ₂ generation	55
4.1b	Mutagenic effect on seed yield, biological yield and harvest index of M ₃ generation	55
4.1c	Mutagenic effect on seed yield, biological yield and harvest index in mutants of M ₃ generation	55
4.2a	Effect of mutagens on chlorophyll contents of M ₂ generation	55
4.2b	Effect of mutagens on chlorophyll contents of M ₃ generation	55
4.2c	Effect of mutagens on chlorophyll contents of M ₃ mutants	55
4.3a	Effect of mutagens on organic constituents in seeds of horsegram of M ₂ generation	55
4.3b	Effect of mutagens on organic constituents in seeds of horsegram of M ₃ generation	55
4.3c	Effect of mutagens on organic constituents in seeds of horsegram of M ₃ mutants	55
4.4a	Effect of mutagens on total free amino acids in seeds of horsegram of M ₂ generation	56
4.4b	Effect of mutagens on total free amino acids in seeds of horsegram of M ₃ generation	56
4.4c	Effect of mutagens on total free amino acids in seeds of M ₃ mutants	56
4.5a	Effect of mutagens on nitrate reductase activity in leaf, root and root nodule of horsegram of M ₂ generation	56
4.5b	Effect of mutagens on nitrate reductase activity in leaf, root and root nodule of horsegram of M ₃ generation	56
4.5c	Effect of mutagens on nitrate reductase activity in leaf, root and root nodule of M ₃ mutants	56

4.6a	Effect of mutagens on antioxidants in leaves of horsegram of M ₂ generation	56
4.6b	Effect of mutagens on antioxidants in leaves of horsegram of M ₃ generation	56
4.6c	Effect of mutagens on antioxidants in leaves of horsegram of M ₃ mutants	56
4.7	Mineral constituents in leaf and seeds of stable mutants	64

