

Heat tolerant chickpea, common bean, faba bean and lentil

Selections for desired traits in segregating generation

A total of 25 Interspecific crosses in chickpea have been conducted for many desired traits (drought, cold AB and FW, viruses resistance), three crosses for AB (each for different AB pathotype), and 24 crosses for enhancing large seeded Kabuli chickpea.

Preliminary yield evaluation trials in research stations and Multi-environment evaluation of elite material in target environments

A total of 336 lines have been evaluated for drought and cold tolerance and for AB and FW resistant. The results indicated two lines (S120257 and S120256) resistant to AB, FW and cold stresses, but relatively sensitive to drought. On another hand, ten lines (S120258, S120495, S120256, S120494, S120497, S120500, S120259, S120260, S120284 and S120499) were resistant to both AB and FW only but sensitive to drought and cold.