



Department of Biotechnology
Ministry of Science & Technology, Government of India

SAATVIK (NC 9)



Next-generation Molecular Breeding Develops A Superior Drought Tolerant High-Yielding Chickpea Variety



Year of Release	2024 [CVRC, Ministry of Agriculture Farmers Welfare, Government of India, The Gadget of India, S.O. 1560(E), dated 27/03/2024]
NBPGR Accession ID	IC 650347
Recommended Area	Central Zone (Gujarat, Maharashtra, and Madhya Pradesh)
Suitable Production Conditions	Rabi, timely-sown and rainfed conditions
Average Yield	1686 kg/ha (11.4% yield superiority over JAKI 9218 under drought stress)
Maturity	105 days
Plant Height	Semi-erect with plant height 42.0 cm
Quality Trait	Seed protein content 24.3%
Grain Characteristics	Medium bold, yellowish brown seed (26.0 g per 100-seeds)
Disease Resistance	Resistant to <i>Fusarium</i> wilt and Stunt Moderately resistant to Dry root rot, Collar rot and Pod borer
Salient Features	Marker-assisted backcross breeding-derived drought tolerant <i>desi</i> chickpea variety (SAATVIK-NC 9) developed by introgressing superior natural alleles of a basic helix-loop-helix (<i>bHLH</i>) transcription factor gene in the genetic background of JAKI 9218 which enhances yield under drought stress.

