

REGISTRATION OF 'ICGS 1' PEANUT CULTIVAR

'ICGS 1' PEANUT (*Arachis hypogaea* L. ssp. *fastigiata* var. *vulgaris*), (Reg. no. CV-43, PI 478780) was released in 1990 by the Central Subcommittee on Crop Standards, Notification and Release of Varieties, Department of Agriculture and Cooperation, Ministry of Agriculture, Government of India, for rainy-season (July-October) cultivation in Zone I. Zone I consists of Uttar Pradesh, Bihar, Rajasthan, Haryana, and Punjab states in India. It has also been released by the State Varietal Release Committee as Spring Groundnut 84 for spring season (February-June) cultivation in Punjab. It is also known as ICGV 87119.

ICGS 1 originated from a single-plant selection made in a natural hybrid population of an Indian cultivar Robut 33-1 (also known as Kadiri 3) in 1977-1978 (3,4). Its pedigree is (Robut 33-1)-7-4-B₁-B₁-B₁-B₁-B₁-B₁-B₁-B₁-B₁.

In 1981-1984 testing in All India Coordinated Research Project on Oilseeds (AICORPO) trials in India, ICGS 1 produced 17% higher pod yield than the national control cultivar, JL 24. It was also superior in pod yield to cultivars AK 12-24 and J 11 by 36 and 11%, respectively. In 1982-1985 spring season tests in Punjab, ICGS 1 produced an average pod yield of 2350 kg ha⁻¹, with a 93% pod yield superiority over control cultivar AK 12-24 (2).

ICGS 1 has Decumbent 2 to Decumbent 3 growth habit (1), with medium to small dark-green elliptic leaves. It has four to five primary, and two to four secondary branches. It matures in ≈112 d in the rainy and 120 d in the spring season in India. It has mainly two-seeded, medium-sized pods with slight to moderate constriction, none to slight beak, and

smooth to slight reticulation. It has a 70% average meat content. Seeds are tan in color, with a 100-seed mass of 35 g; they contain an average 51% oil and 21% protein. Oil quality showed an oleic/linoleic fatty acid ratio of 1.44 (2).

ICGS 1 has field tolerance to bud necrosis disease (caused by Tomato Spotted Wilt Virus) and shows average recovery for pod yield from midseason drought (2). The ICRISAT Center, Patancheru, will maintain breeder seed for distribution.

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References and Notes

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