

## **Development and Release of two Spanish Groundnut Varieties for cultivation In Malawi**

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The performance of several elite groundnut genotypes selected from ICRISAT's regional breeding nursery and other breeding programs was assessed at Chitedze, Chitala, Ngabu and Baka research stations from 2014/15 season to 2017/18 and at on farm in 2017/18 season. A total of 16 test genotypes plus two check released varieties (Kakoma and Baka) were used. The trials were laid out in an incomplete block design with 3 replications. The days to 75% flowering averaged at 39 days. Significant differences were also observed in terms of yield among the genotypes in all sites. On average, across the test sites, the following candidate genotypes out yielded the check Kakoma; ICGV-SM 03530 by over 12.9%, 31.3 % and 13.3% in 2014/15, 2015/16 and 2016/17 seasons respectively; ICGV-SM 08528 by over 34.1%, 17.5%, 8.2% and 35 % in 2014/15, 2015/16, 2016/17 and 2017/18 seasons respectively; and ICGV-SM 08538 by over 41.3%, 18.7%, 16.5% and 11.3% in 2014/15, 2015/16, 2016/17 and 2017/18 seasons respectively. The genotypes ICGV-SM 08538 and ICGV-SM 03530 were among the most stable genotypes. Because of the excellent performance of the Spanish genotypes, the genotypes were proposed that they be released for use by farmers in Malawi.