

# RESULT OF BREEDING FOR EARLINESS HYBRID COTTON VN14-4CS

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## Summary

In the programme for cotton breeding belong to project “Research to breed for earliness cotton with high yield and good fiber quality, suitable for main production areas” in period 2011-2015, Nhaho Research Institute for Cotton and Agriculture Development breded some promise hybrid cotton varieties so that VN14-4CS cotton variety is the best promise. This hybrid cotton has the short growing-time under 135 day and characteristics relation for earliness as low tree, the bolling branches are short and the 1<sup>st</sup> bolling branches are low; high resistant capacity with bollworm (*Helicoverpa armigera*), boll weight is big (6.0-6.5gr) and reaches high yield in the experiment areas, average to 2.96 ton/ha in the basic testing and 2.87 ton/ha in the production testing, higher 39.7 % and 26.1% than control varieties. In the testing areas, VN14-4CS is the best suitable and reaches for highest yield in Dac Lac (4.12 ton/ha), and then in Ninh Thuan (3.81 ton/ha), next to in Binh Phuoc (3.73 ton/ha), and final in Son La (2.51 ton/ha). This cotton variety has good fiber quality, reaches the 10TCN 912:2006 standard, with length >30mm, fiber strength > 30g/tex, micronaire 4.0-4.6M. So, hybrid cotton VN14-4CS is consideration to certify new variety for production testing in the future.

**Keywords:** *Hybrid cotton, earliness, yield, fiber quality.*