

DOUBLE HEDGEROW PLANTING SYSTEM IN ANOLA PRODUCTION

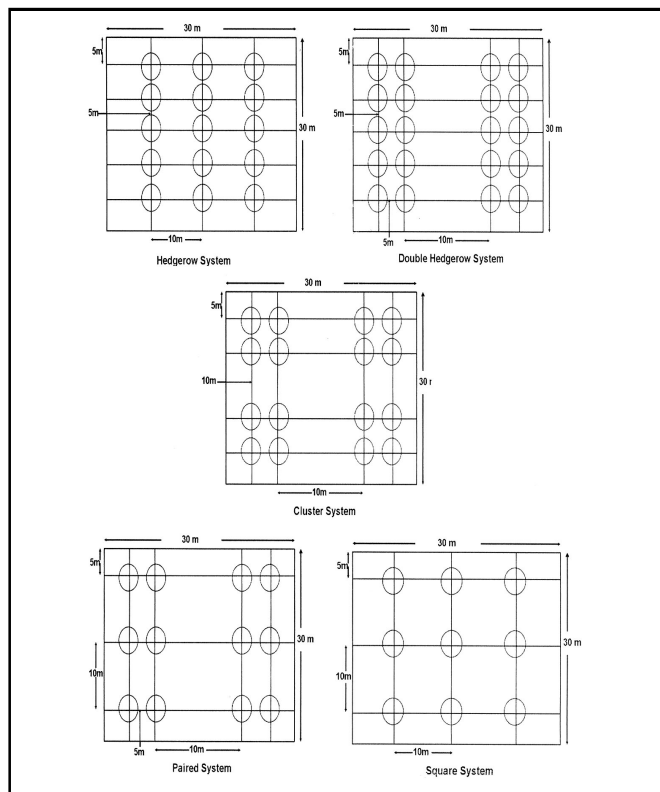
A.K. SINGH, SANJAY SINGH AND V.V. APPA RAO

Central Horticultural Experiment Station (CIAH), Vejalpur, Panchamahals, GODHRA (GUJARAT) INIA

High density planting systems for anola has been evaluated. NA-7 variety for anola was laid out with five planting systems *viz.*, square, hedgerow, double hedgerow, cluster and paired planting during 2001. These systems were designed to increase the productivity per unit area during early phase of bearing. Though the trees flowered and bore fruits in 3rd year, but economic yield was recorded during 5th year of planting. On an average 7.55 t/ha yield was recorded in double hedgerow system of planting under rain fed conditions of semi-arid ecosystem. An increase in yield over traditional square system was recorded to the tune of 91.08 per cent in double hedgerow system of planting.

The treatments were comprised of five planting systems *viz.*, T₁, square (9 plants / plot and 100 plants/ha) T₂, hedgerow (15 plants / plot and 166 plants/ha) T₃, double hedgerow (20 plants / plot and 222 plants/ha) T₄, cluster system (16 plants/plot and 177 plants/ha) and T₅, paired (12 plants / plot and 133 plants/ha). Net area of plot of each treatment was 900 m² (30 m x 30 m) and total area of the experimental field was 18000 m², *i.e.*

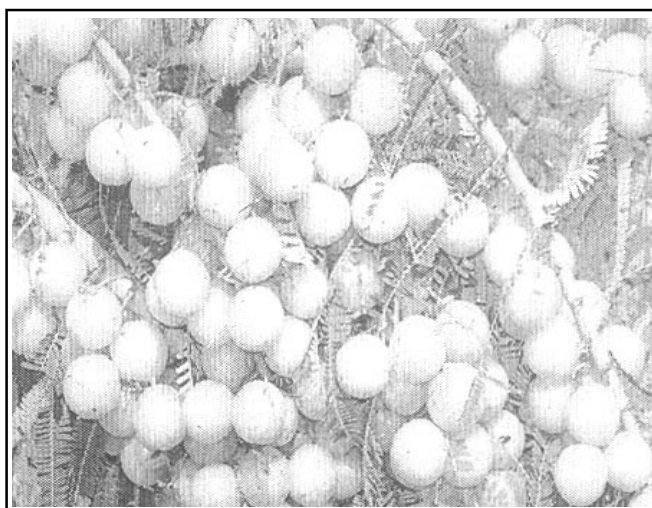
1.8 ha. Number of plants per ha was calculated on the basis of number of plants per plot under different planting systems. Prevailing planting distance 10 m x 10 m apart and its half distance 5 m x 5 m apart was followed in plot in trial. Normal planting distance was maintained in square system of planting (10 m x 10 m). In hedgerow planting system, distance between row-to-row and plant-to-plant was kept 10 m and 5 m, respectively, while in double hedgerow system, two rows of hedge were planted at half of distance (5 m x 5 m) in which plant were adjusted at 5 m x 5 m. In case of paired planting system,



Layout of planting systems : Showing the no. of plants in each system



Double hedgerow planting system



Bearing behaviour with quality fruits under double hedgerow system

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