

Effect of sowing dates and harvesting Stages on growth, seed yield and seed vigour of cucumber

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ABSTRACT : An experiment was conducted in completely randomized block design with three replications to determine the optimum date of sowing and best harvesting stage for getting the good seed yield of cucumber during winter season of 2007 and 2008. Sowing date of 1st March produced highest percentage of fruit set (46.05), fruits/plant (3.15), fruit length (20.35 cm), fruit diameter (7.17 cm) and fruit weight (398.45 g). Minimum percentage of fruit set and fruit weight was recorded with sowing on 30th April. However, fruits/plant, fruit length and fruit diameter was registered minimum under sowing on 15th January. Harvesting stage did not bring the significant influence on vine length, branches/vine, fruit set and fruit length of cucumber. However, fruit diameter and fruit weight was recorded maximum at harvesting stage 7 (40 DAA). The minimum fruit diameter and fruit weight was recorded with harvesting stage 1 (28 DAA). The seeds/fruit, 100 seed weight, seed yield/plant and seed vigour index was also registered higher value with sowing date of 1st March. The sowing date of 30th April recorded minimum seeds/ fruit, 100 seed weight, seed yield/ plant and seed vigour index. Harvesting stage 7 (40 DAA) recorded highest seeds/fruit, 100 seed weight, seed yield/plant and seed vigour index. The minimum value of seeds/fruit, 100 seed weight, seed yield/plant and seed vigour index were recorded with harvesting stage 1 (28 DAA).

Key Words: Cucumber, harvesting stage, sowing dates, fruit, seed yield, seed vigour index.