

INHERITANCE OF SUNFLOWER HEAD POSITION

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The purpose of our experiments was to determine the mode of head bending and the relationship between five basic categories (0° , 45° , 90° , 135° , 180°).

It was determined that dominance manifests in more bended head for crosses between distant related categories condition manifestation of intermediarity with inclination toward partial dominance in more bended head. Head bending 90° has recessive character in comparison with angle 135° is dominant over 180° . Segregation ratio in F_2 generation corresponds to 54:10. Three gene interaction of cumulative duplicity type is involved. Each dominant gene decreases degree of head bending approximately by about 15° .