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INHERITANCE OF PIGMENT CONTENT IN SUNFLOWER DIALLELS.
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Eleven diverse inbreds were diallelly crossed excluding reciprocals. The crosses were analysed for 1)the content of chlorophyll a (mg/plant), 2) chlorophyll b (mg/plant), 3) total chlorophyll (a+b) mg/plant, and 4) carotenoids (mg/plant) at budding. Following conclusions were drawn. The crosses displayed intermediacy, dominance, and superdominance in the inheritance of the studied characters. Additive genic action prevailed in the inheritance of chlorophyll a, total chlorophyll, and carotenoids and non-additive genic action in the inheritance of chlorophyll b. The inbreds L-1 and L-11 were the best combiners for the studied characters. The cross L-4 x L-10 had significantly high SCA for chlorophyll a and b, total chlorophyll, and carotenoids. The cross L-4 x L-11 had significantly high SCA for total chlorophyll and carotenoids.