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Estimation of yield loss in sunflower due to new sunflower leaf curl virus disease at different stages of crop growth

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ABSTRACT

An experiment was carried out to assess the crop loss due to sunflower leaf curl virus (SuLCV) disease. The crop loss assessment in terms of growth and yield components was recorded at first appearance of symptoms of SuLCV at 30 days to 90 days during the crop growth. The SuLCV disease infection in sunflower significantly affected the plant height (72.60 to 157cm), size of the head (8.60 to 18.78cm), 100 seed weight (2.20 to 6.32g), oil content (31.24% to 38.26%), and weight of seeds/10 heads (77.20 to 372.2g) as compared to the healthy control plants. In the plants, first appearance of symptoms at 30 DAS was recorded the seed yield loss of 79.25 per cent.

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