

EVALUATION OF HELIANTHUS FOR RESISTANCE TO STEM CANCER.
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A three-year study on breeding materials and a collection of wild species showed large differences in the resistance to Diaporthe helianthi (Phomopsis helianthi) both between and within the Helianthus species. The perennial species were unanimously resistant while the annual ones displayed an array of reactions, from susceptibility to resistance. With the exception of a limited number of lines derived from resistant wild species, the cultivated sunflower was susceptible to the pathogen. The resistant lines may be used directly for the development of resistant hybrids since it was found that the resistance is inherited dominantly.