*УДК 632.4*

*DOI:****10.35330/****1991-6639-2020-4-96-18-25*

**INFLUENCE OF TIMING OF FUNGICIDE TREATMENT**

**ON THE YIELD OF SEEDS OF THE PARENTAL FORM**

**OF “CROWN C” MAIZE HYBRID**

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*As a result of the studies, experimental data were obtained on the effectiveness of the use of fungicides against bladder smut and fusarium cobs on the hybridization site of the maternal parent form of Crohn C. In the control variant, 37.6% of plants affected by bladder smut in the form of growths of various sizes were detected without fungicide treatment. In the variants with the use of the fungicide Optimo, KE in the phase of development of maize of 10-12 leaves of patients with bladder smut of plants was 15.9%. Most blistering of the fungus (92%) was detected on the cob, and the remaining 8% - on the stem and leaves. In the variant with processing of corn in the phase, the start of panicle panning of the total affected plants was 22.8%, of which 66.7% with growths on the cobs and 33.3% on the stems. In the variant with treatment of maize with Privent, SP fungicide, in the phase of 10-12 leaves in the control variant revealed only 17.4% of the affected plants, of which 60% of the plants were bloated on the ears and 40% on the stems. When treating with Privent, SP fungicide, 24.7% of affected plants were noted in the phase of the onset of panicle panning; of these, 70% of the growths are marked on the cobs and 30% - on the stems.*

*Given the possibility of using the fungicides Optimo, KE and Privent, SP reduces the number of ears affected by fusarium. The greatest decrease in the disease was noted in the variants with treatment in the phase of the onset of panicle panning. So, in the control variant without treatment 32% of the ears affected by fusarium infection were revealed, and in the variants with the use of the fungicide Optimo, KE and Privent, SP in the phase of 10-12 leaves, these indicators were 12 and 19%, respectively. On samples of cobs taken in the variants with fungicide treatment in the beginning of panicle panning phase, signs of fusariosis were observed in 7% of cobs treated with Optimo, KE and 26% in the variant treated with fungicide Privent, SP. In terms of yield, the most effective variant was the experiment with the use of the fungicide Optimo, KE in the phase of 10-12 leaves of corn plants, which provided an increase in the yield of corn grain to the control in the amount of 0.35t / ha or 13.9%. In the variants of the experiment using the Privent SP fungicide, the joint venture in this phase of plant development added to the control amounted to 0.21t / ha or 12.3%.*

**Key words:** maize, vesicular head, fusarium wilt, fungicides, processing terms, grain harvest, yield increase.

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