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JO'XORI ZEA MAYE O'SIMLIGINING VIRUSLI KASALLIGI VA UNING SIMPTOMAL ANALIZI

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ANNOTATSIYA

Bugungi kungacha yurtimizda jo'xori o'simliklari hosildorligini oshirish va uning virusli kasalliklari turlarini aniqlash, kasalliklarga qarshi kurashish global masalalardan biri hisoblanadi. Ushbu ishda jo'xori o'simliklarini turlari va ularning kasalliklarga chidamliligini aniqlash usullari keltirilgan. Chidamli navlarga bitta liniya V-415 IL-3M IVCSM (Meksika); amaliy chidamli (10% gacha) navlarga ham bitta Amerikan Hibrid (Hindiston); kuchsiz chidamli (25% gacha) bo'lgan navlarga: Lin LN6 (Argentina), Estanruela Jaguali (Urugvay), 71-12-11 L 780 (Argentina), Compaste Larje dol (Meksika), LH Riconada 11575 (Chili), Zefra rhamma Frances Largo (Venesuella) navlarini kasallikga chidamliligi o'rganilgan

Kalit so`zlar: Bromoviridae, Potyviridae, Rhabdoviridae, virus, *Potyviridae*, rezerv, mozayka

VIRAL DISEASE OF CORE ZEA MAYE PLANT AND ITS SYMPTOMAL ANALYSIS

ABSTRACT

To date, a number of methods are used to diagnose phytoviruses, each of which has its own specific sensitivity. Among these methods, immunological methods have the advantage of their sensitivity and ability to simultaneously detect multiple samples. In recent years, a number of authors have reported that the sensitivity of immunological methods that have emerged as a result of the development of biotechnology is higher than that of previously used methods.

Thus, this study compared the sensitivity levels of drip, bilateral immunodiffusion and "correct", "incorrect" and "sandwich" variants of the enzyme immunoassay (IFA) method, and the sandwich version of IFA had the highest sensitivity, ie 10^{-9}. Potato Virus X (PVX) was used as antigen in these experiments.

Keywords: Potato virus X, enzyme immunoassay, immunodiffusion, antigen, mosaic, antibodies.