

PVY

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%1								
Potato virus Y (PVY)								
20-15								
48.8	25.8	145.3	47.05					
25.7								
					20.64	5.39	37.4	
%1								
								%5
57								
21.7	5.1	33	27.7		40.1	35.7	240.9	
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The Effect of Salicylic Acid and Liquid Fertilizer on Productivity of Potato Plants Infected by Potato Virus Y (PVY)

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ABSTRACT

The results showed that spraying potato plants with salicylic acid 1% before the occurrence of systemic symptoms after vaccination by Potato Virus Y, gives the best results to control the virus and severity of infection, that led to retard symptoms occurrence to 15-20 days of vaccination. The spraying also improves plant properties particularly its lengths reached 47.05 cm, 145.3 gm, 25.8 gm, 48.8 gm respectively, compared with infected plants which were 25.7 cm, 37.4 gm, 5.39 gm, 20.64 gm respectively. While spraying with acid after symptoms occurrence gave negative results to control the virus. The results showed that spraying by salicylic acid 1% and fertilization by mineral fertilizer (Multifer 5%) gives positive results to control the disease, mitigate its effect on plants and improve its properties. So its lengths reached 57cm, 240.9gm, 35.7gm, 40.1gm respectively. Compared with 27.7cm, 33gm, 5.1gm, 21.7gm respectively. For the same properties of infected plants.

Key words : Potato virus Y (PVY), Salicylic acid.