

Table(3):Effect of certain plant extracts, essential oils, antagonistic bacteria and resistance chemical inducers on severity of bacterial wilt, fresh (FW) and dry weight (DW) and tuber yield of potato plants under field conditions.

Treatments	DSI	Reduction of DSI (%)	FW of shoots (g/plant)	DW of shoots (g/plant)	Yield (ton/fed)	Increasing of yield (%)
Plant extracts						
<i>Hibiscus sabdariffa</i>	23.53 gi	63.23	466.75 bcd	135.3 abc	10.20 efg	35.46
<i>Eucalyptus globulus</i>	23.00 gi	64.06	483.50 bc	137.0 ab	12.08 bcd	60.42
<i>Rosemarinus officinalis</i>	27.33 fgi	57.30	366.75 fg	118.0 de	11.29 cdef	49.93
<i>Datura metel</i>	27.60 fgi	56.88	466.75 bcd	119.0 cde	12.24 bcd	62.55
<i>Punica granatum</i>	20.23 i	68.39	533.50 ab	146.3 a	15.07 a	100.13
Essential oils						
Thyme oil	21.80 gi	65.93	400.00 def	124.4 bcd	9.89 fg	31.34
Black cumin oil	54.37 bc	15.05	316.75 g	114.2 def	10.82 defg	43.69
Clove oil	41.17 de	35.67	416.75 cdef	123.8 bcd	10.98 defg	45.81
Antagonistic bacteria						
<i>Pseudomonas fluorescens</i>	57.17 ab	10.67	466.50 bcd	126.9 bcd	13.19 b	75.16
<i>Pseudomonas aeruginosa</i>	32.00 f	50.00	450.00 cde	125.8 bcd	12.70 bc	68.65
Resistance chemical inducers						
Regalis	44.30 c	30.78	400.00 def	106.3 ef	10.35 efg	37.45
ASM	54.93 b	14.17	366.75 fg	102.4 ef	13.01 b	72.77
BABA	46.23 cd	27.77	375.00 efg	99.3 f	9.42 g	25.09
Oxalic acid	34.00 ef	46.88	393.75 defg	115.0 def	11.53 bcdef	53.12
Salicylic acid	28.67 fg	55.28	416.75 cdef	116.5 de	11.60 bcde	54.05
Water						
Water (Inoculated control)	64.00 a	00.00	233.25 i	55.8 g	7.53 h	00.00
Water (Non- inoculated control)	0.00 h	100.00	566.50 a	149.3 a	11.29 cdef	49.93

Within each column, values with the same letters are not significantly different at $p = 0.05$ (Tukey's test)