

Evaluation of pepper varieties for pepper weevil, *Anthonomus eugenii* Cano, abundance in 2010

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Management of these pests was principally based on chemical insecticides. Due to long time use of insecticides, these insects are resistant to various chemicals. In an effort to reduce sole dependence on chemicals, studies have been conducted to develop integrated management program. In the present field trial, 14 varieties of hot peeper have been evaluated for pepper weevil abundance. All varieties were infested with pepper weevil adults. There were significantly fewer fruit infested with pepper weevil for the variety 'Jamican yellow.' This study will be repeated in spring, 2011.

Table 1. Mean numbers of pepper weevil adults and pepper weevil infested fruits per pepper plant.

Pepper Variety (Seedway)	Seedway Catalog #	Mean # Adults/plant	Mean # pepper weevil infested fruit ²
Pepper Hot 'Habanero Orange'	8602	0.50	4.5bc
Pepper Hot 'Cheyenne Long hot'	6941	0.28	6.2ab
Pepper Hot 'Budapest Hot Banana'	6905	0.42	3.5bc
Pepper Hot 'El Hombre Long Hot'	9966	0.25	5.5ab
Pepper Hot 'Mesilla Long Hot'	8778	0.41	8.2a
Pepper Hot 'Agriset 4108 Jalapeno'	6500	0.22	6.9ab
Astry Mildly (Hot Hungarian)	6839	0.25	8.2a
Pepper Hot 'Red Devil'	7354	0.10	5.12ab
Pepper Hot 'Tormento Jalapeno'	6389	0.22	4.6abc
Pepper Hot 'Anaheim'	6836	0.32	8.2a
Pepper Hot 'Don Picoso'	7510	0.26	3.6b
Pepper Hot 'Don Emilio'	6741	0.55	8.4a
Pepper Hot 'Jamaican yellow'	6178	0.10	2.2c
Pepper Hot 'Frenso'	6022	0.62	5.3ab

²Mean separation using Duncan's Multiple Range Test. Varieties with the same letter(s) are not statistically different at the 5% level.