Section V
Soil Arthropods

SEED TREATMENTS FOR SEEDCORN MAGGOT CONTROL ON CARROT

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Seedcorn maggot (SCM) *Delia platura* can significantly reduce carrot field stand establishment. Seed treatments were tested with several insecticides for control of SCM. A field trial was established on 11 May 2005 near Alderdale, Washington State USA. Seeds were planted by the grower in a complete random block design using a commercial vacuum planter. The number of carrot seedlings in three 1 meter segments per plot were counted on 31 May 2005 to evaluate efficacy.
Results provided no statistically significant differences comparing the UTC to the different seed treatments.

Treatment	Rate (oz/A)	Mean Seedlings ± SE
Untreated	NA	69.25 ± 5.12
Apron XL 3 LS [-;US] Maxim 4 FS [-UN]	7.5 2.5	68.75 ± 5.97
Apron XL 3 LS [-;US] Maxim 4 FS [-UN] NOA421016 [-;UN]	7.5 2.5 0.075	67.50 ± 5.92
Apron XL 3 LS [-;US] Maxim 4 FS [-UN] NOA421016 [-;UN]	7.5 2.5 0.1	82.75 ± 4.17
Apron XL 3 LS [-;US] Maxim 4 FS [-UN] Cruiser 5 FS [-;US] NOA421016 [-;UN]	7.5 2.5 0.038 0.075	73.00 ± 4.49
Apron XL 3 LS [-;US] Maxim 4 FS [-UN] Cruiser 5 FS [-;US] NOA421016 [-;UN]	7.5 2.5 0.038 0.1	74.75 ± 6.07
Apron XL 3 LS [-;US] Maxim 4 FS [-UN] Cruiser 5 FS [-;US] Tigard 75 W P [-;UN]	7.5 2.5 0.038 0.0609	74.00 ± 3.69
Apron XL 3 LS [-;US] Maxim 4 FS [-UN] Cruiser 5 FS [-;US]	7.5 2.5 0.038	60.25 ± 5.82
Apron XL 3 LS [-;US] Maxim 4 FS [-UN] Local Standard [-;UN]	7.5 2.5 NA	80.75 ± 7.01

Means followed by * are significantly different from the untreated check (pairwise t-test, $P< 0.05$)