

SECTION III. ROOT-FEEDING COLEOPTERA AND SYMPHYLANS

Garden Symphylan Control in Beans (Bush, Snap)
With Soil Applied Insecticides
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Five insecticides were evaluated in Linn County, OR. for control of the garden symphylan in silt loam soil with an organic matter content of 3%. The field had been in alfalfa which was deep plowed, disced, and worked with a 'Roterra' in the spring prior to the trial. Granular insecticides were applied with "shaker cans"; Furadan 4F was applied with an R & D CO₂ pressurized backpack sprayer in the equivalent of 39 gallons of water per acre using a four nozzle (LF80's) boom. Two hours after application materials were incorporated to a depth of 6 in. with a Roterra incorporator and seeded to beans. Weekly sprinkler irrigation followed through the course of the trial. Treatments and an untreated check were replicated four times in 18 x 25 ft. plots using a randomized complete block design.

No pretreatment counts were taken. Post treatment counts consisted of randomly extracting 3 sq. ft. soil samples to a depth of 8 in. per plot 47 days after treatment. Soil was inspected over a black tarp with numbers of live symphylans recorded.

GARDEN SYMPHYLAN

Treatment and ai/A	Symphylans per plot ^{1/}				T	
	I	II	III	IV		
Lorsban 15 G 2	1	9	10	22	42	abc ^{2/}
Mocap 10 G 2	11	21	3	9	45	ab
Mocap 10 G 3	4	4	1	3	12	bc
Broot 15 G 1	2	5	27	4	38	bc
Broot 15 G 2	2	15	5	2	24	bc
Furadan 4 F 4	2	2	3	1	8	c
Dyfonate 10 G 2	4	0	7	0	11	bc
Check -- --	30	30	12	13	85	a

^{1/}Total live symphylans in 3 sq.ft. samples of soil to a depth of 8 in.

^{2/}No. 's followed by same letter are not significantly different (P=0.05) DMRT.