B-28 Chemical control of citrus scale on mandarin and oranges

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Citrus scale *(Chrysomaphalus* sp) has become a very serious pest on oranges and mandarin causing destruction of plants. This was a severe drawback in citrus cultivation in the Uva province. Sin immediate solution is needed for the problem, as there was no Departmental recommendation on citrus s some insecticides were screened against the citrus scale at RARDC, Bandarawela using orange established before 4 years. There were 7 treatments: formothion, fipronil, fipronil (granule), imidachlo pymetrozine, dimethoate and the untreated check. Each tree was considered as a replicate and there w trees (replicates) for each treatment. The dosage of insecticides used varied according to manufact recommendations. Screening was done at monthly intervals and repeated twice. Insect counts were take plant, 1 day before and 1,2,3 and 4 weeks after treatment.

Treatments were compared using Duncan multiple range test after log transformation. Foliar applicatio fipronil and pymetrozine were the best among the treatments followed by fipronil granule, imidachlo formothion and dimethoate. New insecticides such as fipronil (both foliar and granule formulation 12.5 - g a.i/ha) Pymetrozine (10-30 g a.i./ha) and imidachloprid (50 - 100 g a.i./ha) can be recommended control of citrus scale.