

**COMPARATIVE EFFICACY OF APHICIDES FOR BLUEBERRY APHID CONTROL, 2009**

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**Blueberry aphid field efficacy trials.** On 15 June, compounds were field tested against primarily apterous blueberry aphid, *Ericaphis fimbriata* on 4 blocks arranged in RCB design in 4 year-old ‘Duke’ blueberry at WSU NWREC. Each block contained 7 treatments, each with three plants. Treatments were applied with a Solo™ backpack sprayer equipped with a flat fan 8002 nozzle, at 40 psi, to “run-off”. Pre and posttreatment evaluations were made by randomly selecting three leaves from each “three-plant” plot, then counting living aphids with the naked eye. Compared with results for experimental Movento on excised small fruit foliage, its 2-way systemicity and IGR activity on field plants resulted in significantly effective, persistent control of blueberry aphid populations from 3 to 20 DAT (Table 1). All rates and formulation of experimental HGW86 were effective and provided significant residual control of blueberry aphid populations compared with the untreated check.

Treatment	Rate/acre	Precount	Mean Aphids/Leaf		
			3 DAT	8 DAT	20 DAT
HGW86 10SE	10.1 fl oz	12	6b	2bc	4b
HGW86 10SE	13.5 fl oz	9	4bc	5b	3b
HGW86 10SE	20.5 fl oz	12	3c	6b	1b
HGW86 OD	27 fl oz	10	3c	1c	2b
Movento 240SC	5 fl oz	9	2c	1c	
Movento 240SC	8 fl oz	13	3c		
Untreated check		12	13a	13a	18a

Mean within columns followed by the same letter are not significantly different (Tukey HSD test,  $P < 0.05$ ).

Treated 15 June.