

Section VII  
Foliage & Seed Feeding Pests

**CONTROL OF SEED POD WEEVIL USING SOFT CHEMISTRY  
IN DRY PEAS 2003**

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An early trial to test the efficacy of dry pea foliar insecticides selected by FMC Corp. was established 7-01-03 at Farmington WA on land operated by Bernt Lend. The trial was RBCD in 4 replicates of 10 x 20 feet per treatment. A CO2 back sprayer set at 20 gpa/20 psi was used for applications. A late trial was sprayed on 7-10-03 in the same design and manner. Mature peas were collected at harvest in samples of 100 peas per replicate on 7-31-03. The sample peas were stored until December 18, at which time adult bruchid weevils began to emerge in the lab. Counts were made of weevils per 100 peas. All treatments in the early and late trials were competitive with each other, compared with the UTCs. Cygon-Imidan was applied as a standard dry pea treatment used commercially on the Palouse Region. No pea aphid appeared in the trials in 2003; therefore only pea pod weevil data were evaluated.

**Table 1. Early Trial**

<b>Treatment</b>	<b>Rate/Acre</b>	<b>Mean Weevils/100 peas</b>
UTC	-----	32.1a
Capture 2E	0.04 lb aia	3.0b
Warrior Zeon	0.035 lb aia	3.5b
Mustang Max	0.025 lb aia	2.5b
Baythroid-Provado	3.75 fl oz-3.75 fl oz	1.0b
Cygon-Imidan	0.175 lb aia-1 lb aia	4.5b

ANOVA;LSD t Test 0.05 Numbers followed by same letter are not SD.

**Table 2. Late Trial (10-DAT)**

<b>Treatment</b>	<b>Rate/Acre</b>	<b>Mean Weevils/100 peas</b>
UTC	-----	15.5a
Capture 2E	0.04 lb aia	7.5b
Warrior Zeon	0.035 lb aia	3.5b
Mustang Max	0.025 lb aia	2.5b
Baythroid-Provado	3.75 fl oz-3.75 fl oz	1.0b
Cygon-Imidan	0.175 lb aia-1 lb aia	5.0b

ANOVA;LSD t Test 0.05 Number followed by same letter are not SD.