

Whitefly Control in Broccoli August 2018

Emunim (Mediterranean climate)

August 2018

**Testing different doses of Agro XP
+ combine & compared to chemical pesticide**

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Variety: Heraclion. Open field. Planted on: June 2018.

Randomized Complete Block Design. 4 blocks per treatment (32ft X 7ft).

Application dates: 7.31.18 / 8.6.18 / 8.12.18

Application method: knapsack mist blower. 35 Gallon/Acre

evaluation dates: 8.12.18 / 8.19.18

Method of evaluation:

Larvae: sample 10 leaves on every block, counting living larvae

Flying adults: Visual grade of infestation on a scale of 1-10:

1 - no flying elements 10 - Heavy flying activity

Phytotoxic evaluation: testing the plants for presence of phytotoxic evidence on leaves.

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Treatments:

- Agro XP 1.5%
- Agro XP 3%
- Agro XP 1.5% + Assail (Acetamiprid 20%) 4 oz/acre
- Agro XP 1.5% + Safari (Dinotefuran 20%) 10.5 oz/acre
- Assail (Acetamiprid 20%) 4 oz/acre
- Safari (Dinotefuran 20%) 10.5 oz/acre
- Control - untreated

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Treatment	1st count		2nd count	
	8.12.2018		8.19.2018	
	Larvae	Adult	Larvae	Adult
Control	83.1a	10.0a	187.5a	10.0a
Agro XP 1.5%	30.3b	7.0bc	47.0b	7.8b
Agro XP 3%	23.8bc	6.4cd	34.8bc	6.6bc
Agro XP 1.5% + Assail (Acetamiprid 20%) 4oz/acre	21.1bc	6.2cd	29.8bc	5.8c
Agro XP 1.5% + Safari (Dinotefuran 20%) 10.5oz/acre	7.4c	5.0d	13.1c	3.8d
Assail (Acetamiprid 20%) 4oz/acre	35.3b	7.8b	54.0b	6.8bc
Safari (Dinotefuran 20%) 10.5oz/acre	27.8bc	6.2cd	31.9bc	5.6cd

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Larvae control results

