

TECH UPDATE – SPRING 2016

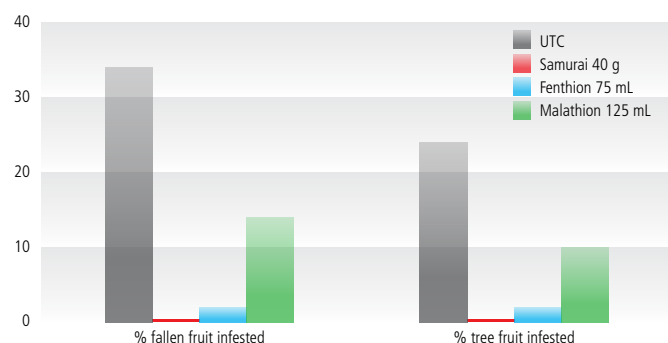
SAMURAI® FOR CONTROL OF QUEENSLAND FRUIT FLY AND MEDITERRANEAN FRUIT FLY

Samurai Systemic Insecticide is now registered for the control of Queensland fruit fly (*Bactrocera tryoni*) and Mediterranean fruit fly (*Ceratitis capitata*) in **pome fruit, stone fruit, persimmons and table grapes**.

The use of Samurai for fruit fly control in these crops had previously been covered by industry permits. It is important to note that these permits stipulated only two applications of Samurai 7-10 days apart whereas the new registration allows three applications 7 days apart when monitoring indicates fruit fly activity.

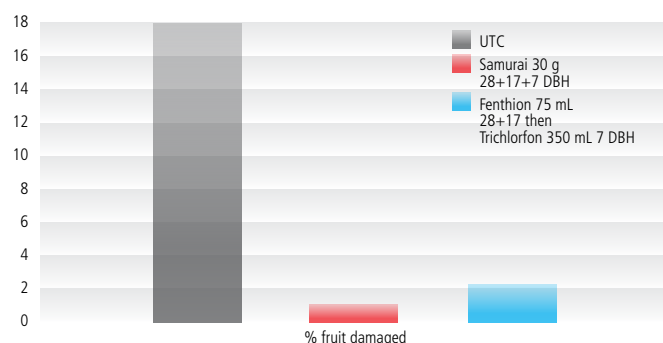
Samurai on Queensland fruit fly (*Bactrocera tryoni*) in peaches

Tatura VIC, Dec 2014; I14-008
3 sprays



Samurai on Mediterranean fruit fly (*Ceratitis capitata*) in nectarines

Perth Hills WA, March 2014; I13-008
Registered rate is 40 mL/100 L



Important facts about Samurai for fruit fly control

- Fruit fly control program:** With a 7-day withholding period, Samurai is suitable for use close to harvest when fruit is most susceptible to fruit fly. However, for effective control Samurai must always be used as part of an overall control program that includes other effective insecticides, baits, monitoring and orchard / vineyard hygiene.
- MAXX Organosilicone Surfactant™:** The use of MAXX Organosilicone Surfactant is optional when controlling other pests such as mealybug and woolly apple aphid, however it is essential when using Samurai to control fruit fly. This is because the surfactant contributes to the uptake of Samurai into the skin of the fruit where it is needed to control the hatching larvae.
- Bee safety:** Samurai is dangerous to bees and will kill bees foraging in the crop at the time of application, or if hives are over sprayed or effected by spray drift. Orchard / vineyard floors with flowering weeds must be mown just prior to application. Beekeepers that are known to have hives in, or nearby the area to be sprayed should be notified no less than 48 hours prior to the time of planned application so that bees can be removed or otherwise protected prior to spraying.



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Samurai® for control of Queensland fruit fly and Mediterranean fruit fly

Directions for use

RESTRAINTS

Do NOT apply if bees are foraging in the orchard or vineyard.

DO NOT apply more than 3 sprays per season.

DO NOT use water volumes of more than 2000 L/ha when more than 1 application is needed.

DO NOT apply more than 1 foliar spray per season if water volumes are greater than 2000 L/ha.

DO NOT apply soil and foliar applications on the same grape block in the same season.

Use of MAXX Surfactant:

MAXX surfactant may cause russetting on pears and apples. DO NOT use MAXX surfactant on pears and apples in conditions such as high humidity where russetting may be caused.

DO NOT use MAXX surfactant at more than 50 mL/100 L water.

DO NOT use MAXX surfactant within 7 days of applying copper based or nutritional products to fruit.

Crop	Pest	Rate
Pome fruit, Persimmon, Stone fruit, Table grapes	Queensland fruit fly, Mediterranean fruit fly	40 g/100 L + MAXX Organosilicone Surfactant at 50 mL/100 L

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Critical use comments

- Apply three consecutive foliar sprays 7 days apart when monitoring indicates fruit fly activity.
- For the effective management of fruit fly this product is required to be used as part of a broader program involving other products approved for the control of fruit fly in conjunction with appropriate pest monitoring and orchard hygiene.
- Efficacy of such programs may be dependent upon the level of pest pressure during the season.
- Orchard floors with flowering weeds must be mown just prior to application. Beekeepers that are known to have hives in, or nearby the area to be sprayed should be notified no less than 48 hours prior to the time of planned application so that bees can be removed or otherwise protected prior to spraying.

Withholding period: pome fruit, stone fruit, persimmons, table grapes

DO NOT harvest for 7 days after last application.

DO NOT graze treated area or cut treated area for stock feed.

Export of produce

Some overseas market destinations may require zero residues. Growers should contact the organisation marketing their fruit and have their own fruit tested to check that they meet the requirements of the intended market.

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Scan here to see more information about Samurai Systemic Insecticide