

Application Tips

Akari®

Miticide/Insecticide

SePRO Corporation proudly introduces Akari miticide for excellent control of spider mites on greenhouse ornamental floral and foliage. Akari is not labeled for use in shade houses, in lath houses, or on outdoor-grown ornamental crops.

Trade name: **Akari 5SC**

Chemical name: **fenpyroximate**

Chemical family: phenoxy-pyrazole group

- Akari 5SC provides activity against all developmental stages of mites, with **main activity on larvae, nymphs and adults**.
- Akari 5SC gives fast knockdown within one day after treatment. Prior to knockdown and death, mites treated with Akari become paralyzed on the leaf or while spinning down from the plant using their webbing. **This property provides "Stop-Feeding" activity—a big advantage** for minimizing crop damage. The paralyzing action also prevents egg-laying. A good evaluation of performance can generally be made 4-7 days after treatment.
- Akari 5SC provides **21 to 28 days of residual control** when applied at labeled rates.
- Akari 5SC has been granted "**Reduced-Risk**" designation and has a **12-hour REI**. Required PPE should include: coveralls, waterproof gloves, and shoes plus socks.
- Akari 5SC is a **5% Suspension Concentrate** which contains 0.42 lb. of fenpyroximate per gallon.
- Akari 5SC has been tested at a 3x rate on several bedding, pot, and foliage crop species as well as more than 30 cut rose cultivars and shows **no phytotoxicity**.
- Akari 5SC has shown **no cross-resistance** with conventional acaricides.
- Akari 5SC is relatively **gentle to natural enemies and beneficial insects**. It has little effect on adults of predatory mite species *Amblyseius longispinosus*, lacewing, ladybug, parasitic wasps, predacious spiders, minute pirate bug (*Orius* sp.) predator, or *Scolothrips* sp. predacious thrips at 2-4 times the labeled rate. Research investigating toxicity to adult *Phytoseiulus persimilis* has shown compatibility with dry spray residue. Field trials presently being conducted in CA show a strong rebounding of pre-existing *P. persimilis* populations after 14 days post-application of labeled rates indicating low mortality to eggs and other immature stages. Mortality to adult *P. persimilis* by contact with the wet spray ranged from 44 to 83% where applied at 2-4 times the labeled rate.
- Akari 5SC's mode of action is primarily as a **contact miticide**. It has no translaminar or systemic activity, so thorough spray coverage of plants is essential for good control. Treat plants when pests are immature or at a susceptible stage and populations are building, before crop damage occurs. Adjust spray volumes accordingly to allow for dense or overgrown foliage which otherwise may prevent adequate coverage.
- Akari 5SC should be used only **in a rotational miticide program** and not in successive applications in the same greenhouse. Use at least 2 different chemicals from different chemical families (with different modes of action) between treatments of Akari 5SC. Consult your local Horticultural Advisor for the most appropriate products for use in alternation. Note: Akari is advanced new chemistry. However, due to similar modes of action, we do not recommend use of Sanmite® in rotation with Akari. Resistance management strategies recommend that you **DO NOT** apply rates lower than those recommended on the label.

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