





Sultan[™] miticide controls all life stages of Tetranychid (spider) mites – eggs, nymphs, and adults – in ornamentals grown in greenhouses, nurseries, and landscapes.

Sultan is highly effective against mites that have developed resistance to other miticides, showing no indication of cross-resistance.

On contact, Sultan miticide provides good knockdown and long residual activity with excellent plant safety. It also has a favorable toxicological profile and has no observed adverse effects to most non-target and beneficial insects and mites.







- Unique mode of action for rotation and integrated pest management programs
- Contact efficacy against all life stages of Tetranychid mites
- Rapid, targeted knock-down and long residual activity
- Compatible with most beneficial insects and predaceous mites
- Excellent plant safety with no observed phytotoxicity





Sultan™ Miticide Grower Benefits

More Effective Rotation

With its unique MOA, Sultan is the new miticide
 rotation option for resistance management programs.

Sustains Beneficials in IPM Programs

 Because Sultan has not shown any negative effects on beneficial insects or predaceous mites, it helps growers sustain the effectiveness of their IPM programs.





Sultan™ Miticide Label Review



- Registered by US EPA May 9, 2014; state registrations in progress
- CAUTION Signal Word
- Personal Protection Equipment (PPE):
 Long sleeved shirt and long pants;
 Chemical resistant water proof gloves;
 Shoes and socks
- Restricted Entry Interval (REI for agricultural uses only): Greenhouse, nursery, and sod farms = 12 hrs
- No REI for residential or commercial landscapes or interiorscapes = enter sprayed area when foliage is dry



Sultan™ Miticide Use Sites

Sultan can be used on ornamental plants at the following use sites:

- Nurseries, wholesale and retail, field and container
- Commercial production greenhouses
- Shadehouses and lathhouses
- Landscapes, commercial, public, and recreational gardens
- Other commercial and residential landscape maintenance areas
- Forest tree and conifer nurseries and plantations
- Interiorscapes







- Rate: 13.7 fl oz / 100 gal
- Complete coverage is necessary for effective control
- Apply in minimum 100 gal/acre finished spray solution
- Adjuvants can be used and may be necessary for outside uses or hard-to-wet foliage
- Sultan Miticide is rainfast in 1 hour







Rapid Knockdown

Data show knockdown in:

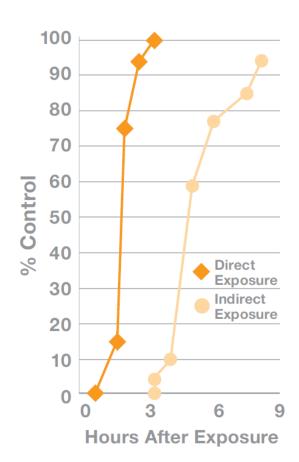
- 3 hours with direct contact
- 9 hours with indirect exposure

Proper application (good coverage, etc.) has shown control for up to 28 days.

BASF Laboratory Study, 2011











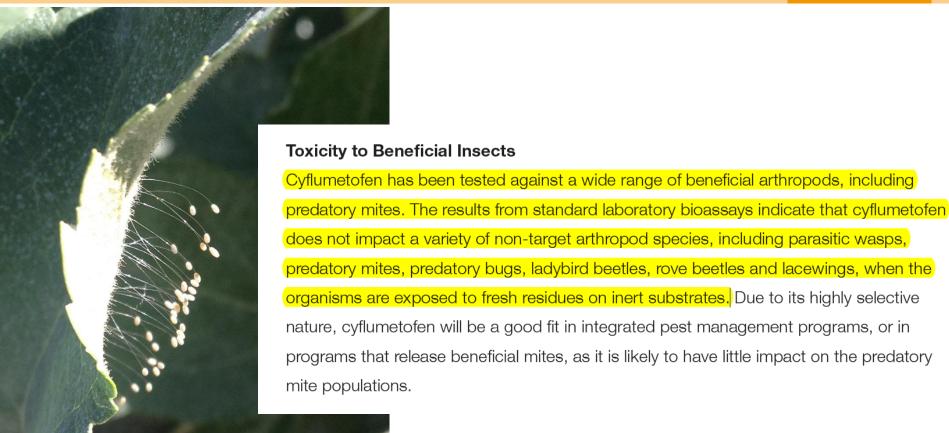








Compatibility with Non-Targets



Lacewing eggs on Apple treated with Cyflumetofen Image Credit: Jen Bergh, BASF 2013





Sultan Plant Safety Trial Summary

- 51 Trials in the US & Europe
- Rates Tested: 13.7 56 fl oz/100 applied at 100 gpa
- Plants Tested:
 - 16 woody ornamentals
 - 16 flowering plants species
 - 3 foliage species
- Results: No evidence of injury at 1X 4X rates



